



Product & Solutions **Catalogue**

You Can Lower Your Carbon Foot Print Yet You Can Still Thrive Your Business

Make It
Sustainable and Efficient

We understand that the textile industry is undergoing rapid technological and global changes. As a result, we offer unique opportunities for textile & garment production.

Vision

We are challenging the status quo of textile production practices.

Mission

Babylon creates affordable, customized, diverse, sustainable, innovative, and never-ending new solutions for the Americas' textile manufacturers for a better future.

A Single Industrial-Sized Machine Running
14 Cycles A Day Can Potentially Save
Two Million Litres Of Water Each Year



babylonian.la

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Denim Wash and Garment Dye
Dry Process Equipmant
Ozone
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Textile Chemicals
Dye House Automation Solutions and Products
ERP Solutions
Visual Assistance
Sewing and Pressing for Jeans and Shirts
Consumable



From the very first date, continuous development, better quality and customer satisfaction have made up a principle by TOLKAR where at the present day constitute from 3 splendid innovative production factories in İZMİR Atatürk Industrial Zone along with distributorship of the leader manufacturers of their sectors for supplementary products.



High Speed Garment Dyeing

Model	Capacity (kg)	Drum Volume (l)	Drum Diameter (mm)	Drum Depth (mm)	Washing Speed	Max Extraction (rpm)	Max G Force (G)	Motor Power (kw)	Width (mm)	Depth (mm)	Height (mm)	Tilted Height (mm)	Weight (kg)
Miracle GO 1200	120	1,125	1,070	1,294	A. Variable	800	400	18.5	1,530	2,415	2,030	2,370	2,230
Miracle GO 1350	135	1,320	1,140	1,290	A. Variable	790	400	18.5	1,585	2,448	2,056	2,456	2,700
Miracle GO 1500	150	1,450	1,240	1,255	A. Variable	760	400	22	1,750	2,480	2,129	2,451	2,980
Miracle GO 2250	225	2,280	1,480	1,420	A. Variable	700	400	30	1,915	2,275	2,530	2,945	4,530
Miracle GO 3430	340	3,356	1,720	1,530	A. Variable	645	400	18.5	2,175	2,550	2,730	3,110	6,300
Miracle GO 5000	500	4,800	1,720	2,120	A. Variable	545	400	22	2,200	3,550	2,550	3,550	7,350



1:2 ~ 1:2.5
LIQUOR RATIO DYE GARMENTS



SPIN DYE SYSTEM
High speed dyeing with Spin dye jet spraying Technology Prevents all crease marks, abrasion and undesired mechanical effects Sustainable dyeing technology



W/ LESS WATER, CHEMICALS, STEAM AND WASTE WATER



W/20 LESS DYES



W/40 LESS ELECTRIC ENERGY



400 G EXTRACTION FORCE
W/20 LESS DRYING ENERGY AND TIME



PLC CONTROLLED 1" TOUCH SCREEN (10" TOUCH SCREEN FOR 225-340-500 kg)



316 L INNER DRUM



PROFESSIONAL CHEMICAL/DYE KITCHEN
Flange heated with steam continuous heat exchanger
Progressive dyeing, Manual deformation, Steam tank with indirect steam heating, Easy tank cleaning with filtering system



HEAT EXCHANGER
Indirect Steam Heating



AUTOMATIC LOADING DOOR (OPTIONAL)



USB Port
USB program and parameter transfer between machines



REPORTING
Reporting amount of dyed garments, consumption of water, chemicals, electric, steam, loading and operating times (Optional)
Remote Reporting
USB Reporting



TOLKAR ULTIMATE CONTROL SYSTEM
Remote Access recipe preparation, upload/download, recipe transfer to desired machines and software updates via remote access.



SCADA
System controls and data acquisition system (OPTIONAL)



AUTOMATIC WEIGHING SYSTEM
Automatic precision of water, chemical and steam intake in accordance with Automatic Weighing System (OPTIONAL)



BACKWARDS TILTING
Easy and automatic loading (OPTIONAL)



Smartex Miracle High Speed Washer Extractor

Model	Capacity (kg)	Drum Volume (lt)	Drum Diameter (mm)	Drum Depth (mm)	Washing Speed	Max Extraction (rpm)	Max G Force (G)	Motor Power (kw)	Width (mm)	Depth (mm)	Height (mm)	Tilted Height (mm)	Weight (kg)
Miracle 1500	150	1,480	1,240	1,255	A. Variable	760	400	22	1,750	2,480	2,120	2,461	2,980
Miracle 2250	225	2,280	1,480	1,420	A. Variable	700	400	30	1,915	2,275	2,530	2,845	4,530
Miracle 3430	340	3,398	1,720	1,530	A. Variable	645	400	18.5	2,175	2,550	2,730	3,110	5,300
Miracle 5000	500	4,800	1,720	2,120	A. Variable	645	400	22	2,200	3,650	2,550	3,650	7,360

 1:2-1:3 LIQUOR RATIO DRY GARMENTS	 SPIN WASH SYSTEM Washing with spin wash jet spraying technology. Prevents all crease marks, abrasion and undesired mechanical effects. Sustainable washing technology.	 %50 less water, %40 less chemicals, electric energy steam and waste water
 %40 LESS ELECTRIC ENERGY	 400 G EXTRACTION FORCE	 %20 LESS DRYING ENERGY AND TIME
 PLC CONTROLLED 7" Touch Screen (10" Touch Screen for 225-340-500 kg)	 316 LINER DRUM	 AUTOMATIC LOADING DOOR (OPTIONAL)
 USB Port USB program and parameter transfer between machines	 REPORTING Reporting amount of washed garments, consumption of water, electric, steam, loading and operating times (Optional)	 TOLKAR ULTIMATE CONTROL SYSTEM remote access enables updates of parameters or versions, recipe preparation, upload/download, recipe transfer to desired machines
 AUTOMATIC WEIGHING SYSTEM Automatic precision water, chemical and steam intake in accordance with automatic weighing system (OPTIONAL)	 BACKWARDS TILTING Easy and automatic loading (OPTIONAL)	



Smartex Miracle High Speed Washer Extractor – Stone Wash

Model	Capacity (kg)	Drum Volume (lt)	Drum Diameter (mm)	Drum Depth (mm)	Washing Speed	Max. Extraction (rpm)	Max G Force (G)	Motor Power (kw)	Width (mm)	Depth (mm)	Height (mm)	Tilted Height (mm)	Weight (kg)
Miracle 1500	150	1,480	1,240	1,255	A. Variable	760	400	22	1,750	2,480	2,120	2,461	2,980
Miracle 2250	225	2,280	1,480	1,420	A. Variable	700	400	30	1,915	2,275	2,530	2,845	4,530
Miracle 3430	340	3,398	1,720	1,530	A. Variable	645	400	18.5	2,175	2,550	2,730	3,110	5,300
Miracle 5000	500	4,800	1,720	2,120	A. Variable	645	400	22	2,200	3,650	2,550	3,650	7,360

 1:2-1:3 LIQUOR RATIO DRY GARMENTS	 SPIN WASH SYSTEM Washing with spin wash jet spraying technology Prevents all crease marks, abrasion and undesired mechanical effects. Sustainable washing technology.	 100 less water, 10-40 less chemicals, electric energy steam and waste water
 140 LESS ELECTRIC ENERGY	 400 G EXTRACTION FORCE	 120 LESS DRYING ENERGY AND TIME
 PLC CONTROLLED 7" Touch Screen (10" Touch Screen for 225-340-500 kg)	 316 L INNER DRUM	 AUTOMATIC LOADING DOOR (OPTIONAL)
 USB Port USB program and parameter transfer between machines	 REPORTING Reporting amount of washed garments, consumption of water, electric, steam, loading and operating times (Optional)	 TOLKAR ULTIMATE CONTROL SYSTEM remote access enables updates of parameters or versions, recipe preparation/upload/download/recipe transfer to desired machines
 AUTOMATIC WEIGHING SYSTEM Automatic precision water, chemical and steam intake in accordance with automatic weighing system (OPTIONAL)	 BACKWARDS TILTING Easy and automatic loading (OPTIONAL)	



Hydra Low Speed Washer – Stone Wash

Model	Capacity (kg)	Drum Volume (lit)	Drum Diameter (mm)	Drum Depth (mm)	Motor Power (kw)	Reducer (Optional)	Width (mm)	Height (mm)	Depth (mm)	Weight (kg)
HYDRA 165B	150	1.65B	1.100	1.250	7,5	15	2.035	2.365	2.845	2.900
HYDRA 317B	300	3.17B	1.800	1.250	15	18,5	2.990	2.600	2.830	6.000
HYDRA 3815	400	3.81B	1.800	1.500	15	18,5	2.425	2.990	3.285	6.750
HYDRA 494B	500	4.94B	2.050	1.500	22	22	2.650	2.650	3.805	8.400



BELT-PULLEY DRIVE SYSTEM



DIRECT DRIVE SYSTEM
Eliminates the needs of belt-pulley systems.
No V-belt adjustments needed.
(OPTIONAL)



150 RPM PRE-EXTRACTION
(OPTIONAL)



PLC controlled
10" Touch Screen



5 mm 304 L INNER DRUM



CHEMICAL / DYE KITCHEN WITH SINGLE TANK
(1 st 2nd and 3rd tank OPTIONAL)



USB Port
USB program and parameter transfer between machines



REPORTING
Reporting amount of washed garments, consumption of water, electric, steam, loading and operating times (Optional)
Remote Reporting
USB Reporting



TOLKAR ULTIMATE CONTROL SYSTEM
remote access enables updates of parameters or versions, recipe preparation,upload/download,recipe transfer to desired machines



SCADA
System controls and data acquisition system
(OPTIONAL)



AUTOMATIC LOADING DOOR
(OPTIONAL)




Stainless steel covering for all columns and front plate
(OPTIONAL)

TOLKAR PRIMA Low Speed Washer Extractors




		Tolkar Prima 4000	Tolkar Prima 5000
Drum Volume	(lt)	3.700	4.900
Drum Diameter	(mm)	1.810	1.810
Drum Depth	(mm)	1.455	1.930
Max. Extraction	(rpm)	100	100
Motor Power	(Kw)	15	18,5
Width	(mm)	2.600	3.330
Depth	(mm)	2.200	2.200
Height	(mm)	3.200	3.200
Weight	(Kg)	3.900	4.700




**100
RPM**

**PRE-
EXTRACTION**



**PLC
Controlled**

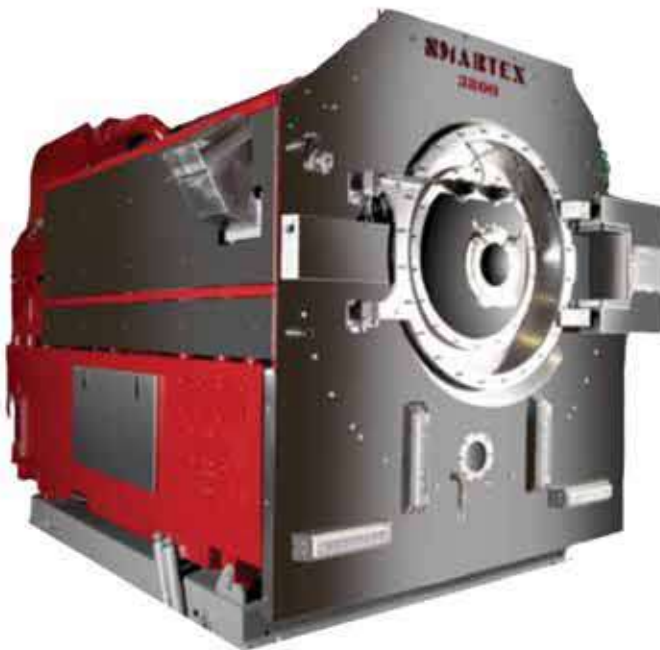
10"
Touch
Screen
Panel



**1 MAIN
CHEMICAL
INLET**

Smartex Elite

Low Speed Washer Extractors



		Smartex Elite 3800	Smartex Elite 5300
Drum Volume	(lt)	3800	5300
Drum Diameter	(mm)	1.720	1.720
Drum Depth	(mm)	1.645	2.270
Max. Extraction	(rpm)	100	100
Motor Power	(Kw)	18	22
Width	(mm)	2.175	2.200
Depth	(mm)	2.550	3.650
Height	(mm)	2.730	2.250
Height in Tilted Position	(mm)	3.110	3.650
Weight	(Kg)	6.300	7.360

					
1:3 LIQUOR RATIO dry garments	POLYRIB SYSTEM 50% less water, chemicals, steam and waste water	40% less electric energy	TOLKAR ULTIMATE CONTROL SYSTEM <small>remote access enables updates of parameters or versions, recipe preparation, upload/download, recipe transfer to desired machines</small> USB programme and parameter transfer between machines 100 recipes, 100 steps	PLC Controlled 10" Touch Screen Panel	100 RPM PRE- EXTRACTION <small>(optional)</small>

TOLKAR O³ Dry Ozone Application Systems



Ozone Tumbler 3179

		3179
Drum Volume	(lt)	3179
Drum Diameter	(mm)	1700
Drum Depth	(mm)	1400
Loading Capacity	(kg)	50-90
Width	(mm)	2030
Depth	(mm)	2400
Height	(mm)	2400
Tilted Height	(mm)	2720
Weight	(kg)	3000

Ozone Generator 300-1000

		300	1000
Ozone Capacity	(gr)	300	1000
Max. Ozone Conc.	(gr/Nm ³)	220	220
Oxygen Capacity	(m ³)	3	10
Electric Power	(Kw)	8	20
Applications		Dry / Wet	



"Zero"
WATER

"Zero"
CHEMICALS

"Zero"
WASTE

24%
Energy
Saving

Ozone
Bleach
Saving

Back
Staining
Applications

Double
machine
feed
(dry - wet
application)

TOLKAR O₃

Ozonated Water Application System



		300	1000
Ozon capacity	(gr)	300	1000
Max. Ozon Conc.	(gr/Nm ³)	220	220
Oxygen Capacity	(m ³)	3	10
Electric Power	(Kw)	8	20
Ozonized Water Tank	(lt)	300	700

- 700 lt Ozonized Water Tank
- “Zero” Back Staining
- Completion of whole recipe in same machine without extra unloading and loading and extracting or handling which eliminates time and labour losses
- Ozone sanitization Random applications via ozonized water spray from nano bubble nozzles Dry ozone application
- Ozone Bleach Applications
- Undesired effect variations caused by humidity or temperature fluctuations are eliminated
- Controlled from washing machine's panel



Tolkar Future All In One

Model	Capacity (kg)	Drum Volume (L)	Drum Diameter (mm)	Drum Depth (mm)	Washing Speed	Max Extraction (mm)	Max G Force (G)	Motor Power (kw)	Width (mm)	Depth (mm)	Height (mm)	Tided Height (mm)	Weight (kg)
Miracle 1500	150	1,480	1,340	1,250	A. Variable	750	400	22	1,750	2,480	2,100	2,481	2,980
Miracle 2250	225	2,280	1,660	1,420	A. Variable	700	400	30	1,915	2,275	2,630	2,845	4,530
Miracle 3430	340	3,398	1,720	1,530	A. Variable	645	400	18.5	2,175	2,880	2,730	3,110	6,300
Miracle 5000	500	4,800	1,720	2,120	A. Variable	645	400	22	2,200	3,650	2,950	3,650	7,350



POLYRIB DRUM



STONE WASH

Engineered drum design with reinforced removable PolyRib inner lining performs at 1:3 L/R for maximum stone effects. All other Miracle advantages are standard.



**400 G EXTRACTION FORCE
HIGH SPEED EXTRACTION**
400 G force extraction without any vibration



SMART FLOW
Nano bubbles spraying technology saves up to 95% from water, 90% from chemicals and 100% from heating energy. Multiple chemical dosing with double pump operation.



OZONE (O3) APPLICATION

Designed to perform with wet and dry ozone applications for most of the treatment processes.



CYCLONE TANK

Easy stone, lint, mud collector with automatic self cleaning.



 <p>GREEN TECHNOLOGY</p>	 <p>COPPER ALUMINUM SERPENTINES Quick heating & easy Maintenance (Available with steam heated machines)</p>	 <p>HUMIDITY CONTROLLED DRYING</p>	 <p>COOL DOWN COOLING SYSTEM Prevents wrinkles and hardening</p>
 <p>ALL MODELS WITH GAS HEATING OPTION</p>	 <p>BIDIRECTIONAL ROTATION</p>	 <p>FORWARD TILTING FOR EASY UNLOADING Standard with models 2700-4000-5070 Optional for Model 1500</p>	 <p>BACKWARDS TILTING Easy and automatic loading (For models 2700-4000-5070) (OPTIONAL)</p>
 <p>INVERTER CONTROL (OPTIONAL)</p>	 <p>USB PORT USB programme and parameter transfer between machines.</p>	 <p>REPORTING Reporting performance and maintenance</p>	 <p>TOLKAR ULTIMATE CONTROL SYSTEM Remote access enables updates of parameters or printing recipe preparation, upload/download recipe transfer to desired machines.</p>
 <p>304 L INNER DRUM (OPTIONAL)</p>	 <p>316 L INNER DRUM (OPTIONAL)</p>	 <p>FOLAR SYSTEM Direct steam feeding into the garments (OPTIONAL)</p>	







Tolkar Hydra Stone Washer Sample Stone Washer Extractors

Model	Capacity (kg)	Drum Volume (lt)	Drum Diameter (mm)	Drum Depth (mm)	Motor Power (kw)	Width (mm)	Depth (mm)	Height (mm)	Weight (kg)
Hydro 10	10	100	610	345	1.5	825	860	1,190	350
Hydro 12	12	120	610	410	2.2	825	970	1,190	390
Hydro 20	20	208	762	460	3	990	1,030	1,450	595
Hydro 25	25	254	762	550	4	990	1,155	1,450	700
Hydro 30	30	300	762	662	4	990	1,300	1,450	770
Hydro 40	40	400	915	610	5.5	1,380	1,345	1,780	1,125
Hydro 50	50	500	915	760	7.5	1,380	1,525	1,780	1,230
Hydro 60	60	600	1,092	642	11	1,460	1,590	2,000	2,250
Hydro 100	100	1,000	1,320	735	18.5	1,710	1,905	2,040	3,500
Hydro 110	110	1,100	1,320	805	22	1,720	2,092	2,470	4,600



Smartex Miracle High Speed Washer Extractor

Model	Capacity (kg)	Drum Volume (l)	Drum Diameter (mm)	Drum Depth (mm)	Motor Power (kw)	Width (mm)	Depth (mm)	Height (mm)	Weight (kg)
Miracle GO 4	4	40	420	300	1.5	715	900	1,060	280
Miracle GO 10	10	100	610	345	1.5	825	860	1,190	350
Miracle GO 12	12	120	610	410	2.2	825	970	1,190	390
Miracle GO 20	20	208	752	450	3	990	1,030	1,450	595
Miracle GO 25	25	262	850	4	990	990	1,155	1,450	700
Miracle GO 30	30	300	752	652	4	990	1,300	1,450	770
Miracle GO 40	40	400	915	610	5.5	1,180	1,345	1,780	1,125
Miracle GO 50	50	500	915	760	7.5	1,180	1,625	1,780	1,230
Miracle GO 60	60	600	1,092	642	11	1,450	1,590	2,000	2,250

 1:2.5 – 1:3 LIQUOR RATIO DRY GARMENTS	 SPIN WASH SYSTEM Washing with spin wash jet spraying technology. Prevents all crease marks, abrasion and undesired Mechanical effects. Sustainable washing technology.	 150 LESS WATER, CHEMICALS, STEAM AND WASTE WATER, 140 LESS ELECTRIC ENERGY	 300 G EXTRACTION FORCE
 PLC CONTROLLED Touch Screen	 316 L INNER DRUM (OPTIONAL)	 304 L INNER DRUM	 SINGLE MAIN CHEMICAL INLET TANK
 USB PORT USB program and parameter transfer between machines.	 SOVEREIGN RECIPE ACCORDANCE Sample recipe... Bulk Recipe Direct recipe transfer from sample to bulk machines without any correction.	 FULLY STAINLESS STEEL OUTER STRUCTURE	 TOLKAR ULTIMATE CONTROL SYSTEM Remote Access enables updates of parameters or versions, recipe preparation, upload/download, recipe transfer to desired machines.
 SCADA System controls and data acquisition system (OPTIONAL)	 AUTOMATIC WEIGHING SYSTEM Automatic precision of water, chemical and steam intake in accordance with Automatic Weighing System. (OPTIONAL)		



Tolkar Mensa Dyeing Sample Dyeing Machines

Capacity	(kg)	10	12	20	25	30	40	50	60	100	110
Drum Volume	(lt)	100	120	208	254	300	400	500	600	1.000	1.100
Drum Diameter	(mm)	610	610	762	762	762	915	915	1.092	1.320	1.320
Drum Depth	(mm)	345	410	460	550	662	610	760	642	735	805
Motor Power	(kw)	1,5	2,2	3	4	4	5,5	7,5	11	18,5	22
Width	(mm)	825	825	990	990	990	1.180	1.180	1.460	1.710	1.720
Depth	(mm)	860	970	1.030	1.165	1.300	1.345	1.525	1.590	1.905	2.092
Height	(mm)	1.790	1.790	1.450	1.450	1.450	1.780	1.780	2.000	2.040	2.470
Weight	(kg)	350	390	595	700	770	1.125	1.230	2.250	3.500	4.600



300 G EXTRACTION FORCE



PLC CONTROLLED
Touch Screen



316 L INNER DRUM



SINGLE CHEMICAL / DYE INLET
(1st 2nd and 3rd tank OPTIONAL)



HEAT EXCHANGER
Indirect Steam Heating



USB Port
USB program and parameter
transfer between machines



SOVEREIGN RECIPE ACCORDANCE
Sample recipe... Bulk Recipe
Direct recipe transfer from sample
to bulk machines without any
correction.



FULLY STAINLESS STEEL OUTER
STRUCTURE



TOLKAR ULTIMATE CONTROL
SYSTEM
Remote Access enables updates of
parameters or versions,
recipe
preparation,upload/download,recipe
transfer to desired machines



SCADA
Controls and data acquisition
system
(OPTIONAL)



AUTOMATIC WEIGHTING SYSTEM
Automatic precision of
water,chemical and steam intake in
accordance with Automatic
Weighting System.
(OPTIONAL)



Tolkar Miracle Dyeing Sample Dyeing Machines






Model	Capacity (kg)	Drum Volume (l)	Drum Diameter (mm)	Drum Depth (mm)	Motor Power (kw)	Width (mm)	Depth (mm)	Height (mm)	Weight (kg)
Miracle GD 4	4	40	420	300	1.5	715	980	1,060	280
Miracle GD 10	10	100	610	345	1.5	825	860	1,190	360
Miracle GD 12	12	120	610	410	2.2	825	970	1,190	390
Miracle GD 20	20	208	752	460	3	990	1,030	1,450	595
Miracle GD 25	25	252	752	4	990	990	1,155	1,450	700
Miracle GD 30	30	300	752	562	4	990	1,300	1,450	770
Miracle GD 40	40	400	915	610	5.5	1,180	1,345	1,780	1,125
Miracle GD 50	50	500	915	760	7.5	1,180	1,525	1,780	1,230
Miracle GD 60	60	600	1,092	842	11	1,460	1,590	2,000	2,250

 1:2 + 1:3 LIQUOR RATIO DYE GARMENTS	 SPIN DYE SYSTEM High speed dyeing Spin Dye Jet Spraying Technology Prevents all crease marks, abrasion and undesired mechanical effects. Sustainable dyeing technology.	 ~ 70 LESS WATER CHEMICALS, STEAM AND WASTE WATER, ~40 LESS ELECTRIC ENERGY	 ~20 LESS DYES
 300 G EXTRACTION FORCE	 PLC CONTROLLED Touch Screen	 316 L INNER DRUM	 SINGLE CHEMICAL/DYE INLET (1st 2nd and 3rd tank OPTIONAL)
 HEAT EXCHANGER Indirect Steam Heating	 USB PORT USB programme and parameter transfer between machines	 SOVEREIGN RECIPE ACCORDANCE Sample recipe... Bulk Recipe Direct recipe transfer from sample to bulk machines without any correction.	 FULLY STAINLESS STEEL OUTER STRUCTURE
 TOLKAR ULTIMATE CONTROL SYSTEM Remote access enables updates of parameters or versions, recipe preparation, upload/download, recipe transfer to desired machines	 SCADA Controls And Data Acquisition System (OPTIONAL)	 AUTOMATIC WEIGHTING SYSTEM Automatic precision of water, chemical and steam intake in accordance with Automatic Weighting System (OPTIONAL)	

TOLKAR LIBRA Hydro Extractors



Sample Hydro Extractor		Libra 12
Capacity	(Kg)	12
Drum Diameter	(mm)	450
Drum Depth	(mm)	400
Inner & Out Drum		304 L Stainless Steel
Motor Power	(Kw)	2,2
Main Body		Cast Iron
Legs		C 1040 Steel
Door		304 L Stainless Steel and Pneumatic Control
Control Panel		Dor Switch Controlled Operationl
Brake System		Manuel Brake Pedal
Extractors Speed	(rpm)	900
Water Depth	(inch)	1
Width	(mm)	1,350
Depth	(mm)	825
Height	(mm)	915
Weight	(Kg)	170

				
C1040 Legs	Manuel Break Pedal	Door switch controlled	304 L Stainless Steel	Inverter Controlled

TOLKAR LIBRA Hydro Extractors



Libra Bulk		Libra 100
Capacity	(Kg)	100
Drum Diameter	(mm)	1.200
Drum Depth	(mm)	450
Inner & Outer Drum	304 L Stainless Steel	
Motor Power	(Kw)	15 HP - 11 Kw
Main Body	Cast Iron	
Legs	C 1040 Steel	
Door	304 L Stainless Steel with Pneumatic Control	
Control Panel	Door Switch Controlled Operation	
Brake System	Manual Break Pedal	
Extraction Speed	(rpm)	700
Water Drain	(inch)	2
Width	(mm)	2.075
Depth	(mm)	1.125
Height	(mm)	1.845
Weight	(Kg)	1.200

**Cage
Loading**

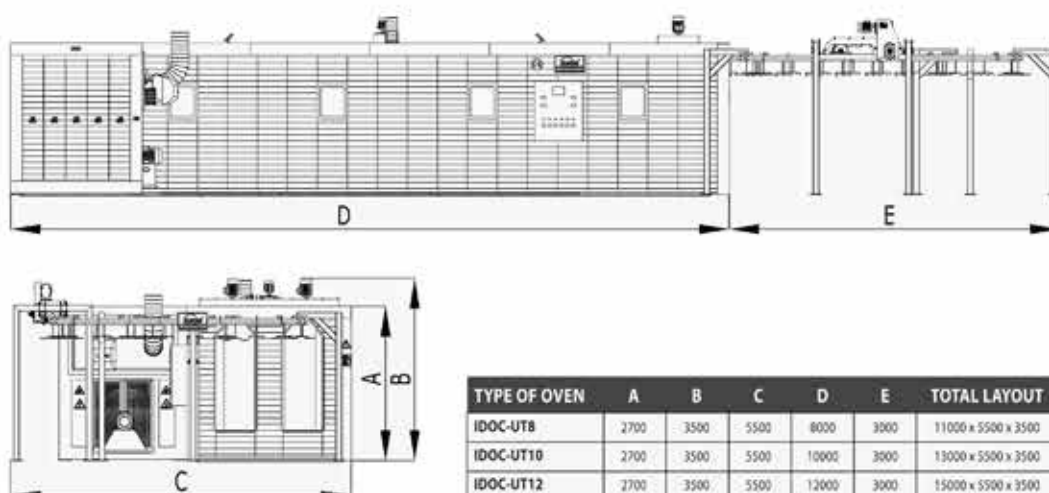
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Metod Makine has been dealing with the production of denim jeans dry process machines and equipments since 2002. Based on Customer Satisfaction as our primary principle, we are always in hot pursuit of fashion and trying to make innovation for our machinery in this direction.

Automatic Curing Ovens With Conveyor

Automatic Type Ovens with Conveyor can be produced U-Turn Type in accordance with the customer demands based on the layout of the plant as well as their workflow. Thermo block (heating unit) is designed as a separate section attached to one side of the oven.

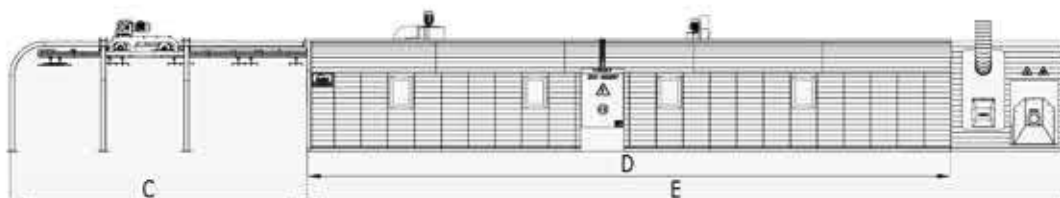


SPECIFICATIONS	IDOC-UT8	IDOC-UT10	IDOC-UT12
MODEL	IDOC-UT8	IDOC-UT10	IDOC-UT12
10-12 Onz Denim Pants Per Load With Hanger (Apparatus)	8,000 pcs pants/24 hours (based on 20 min.) The capacity will be 50% less with Hanger	11,000 pcs pants/24 hours (based on 20 min.) The capacity will be 50% less with Hanger	14,000 pcs pants/24 hours (based on 20 min.) The capacity will be 50% less with Hanger
Max. Electricity Consumption Per Hour	15-17.5 kw/h	17.5 - 20 kw/h	20 - 22.5 kw/h
Max. Natural Gas Consumption Per Hour	21 m ³ /h	25 m ³ /h	30 m ³ /h
Total Heat Circulation Fan Capacity	11,000 m ³ /h - 7.5 kw/h	15,000 m ³ /h - 11 kw/h	15,000 m ³ /h - 11 kw/h
Burner and Origin	Weishaupt WG20 Gas Burner / Germany	Weishaupt WG30 Gas Burner / Germany	Weishaupt WG30 Gas Burner / Germany
Max. Oven Temperature	180 °C	180 °C	180 °C
Temperature Controller	Touch Screen - PLC Control	Touch Screen - PLC Control	Touch Screen - PLC Control
Materials	Firing Unit : Entirely Stainless Steel Other : Galvanized Sheet Metal	Firing Unit : Entirely Stainless Steel Other : Galvanized Sheet Metal	Firing Unit : Entirely Stainless Steel Other : Galvanized Sheet Metal
Hanger Type / Quantity	80 T-Type Conveyor Hangers - 3 jeans for each hanger (240 pcs garments)	90 T-Type Conveyor Hangers - 3 jeans for each hanger (270 pcs garments)	100 T-Type Conveyor Hangers - 3 jeans for each hanger (300 pcs garments)
Conveyor Type / Colour	Drive-Shaft Special Conveyor / Red	Drive-Shaft Special Conveyor / Red	Drive-Shaft Special Conveyor / Red
Conveyor Length / Inside of the Oven	29,000 - 33,000 mm / 17,000 mm	34,000 - 38,000 mm / 21,000 mm	38,000 - 40,000 mm / 23,000 mm
Burner Control	Data Control from PLC	Data Control from PLC	Data Control from PLC
Speed Range of the Conveyor	0.5 - 3.5 mt. / min.	0.5 - 3.5 mt. / min.	0.5 - 3.5 mt. / min.
Homogeneity	Max. ±3°C between bottom and top of the garment. It is shown to the customer with computerised system.	Max. ±3°C between bottom and top of the garment. It is shown to the customer with computerised system.	Max. ±3°C between bottom and top of the garment. It is shown to the customer with computerised system.
Certificate	CE	CE	CE

The above values are not stable and can be changed on Project basis. Tüm veriler müşteri özel talepleri ve Proje kurulumu doğrultusunda değişebilir.

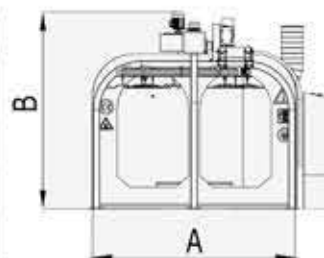
Metocure Eco-Green Conveyor Ovens

Much lower gas consumption, lower electricity consumption, higher efficiency, 12-16 m³ / h gas consumption per hour, 6-8 kW / h electricity consumption per hour, with the same capacity.



MODEL OF OVEN	IDOC-UT8-ECO	IDOC-UT10-ECO	IDOC-UT12-ECO
Daily Capacity / 24 Hours			
Basic Beans / local application (Based on 3 pcs - 20 min.)	8.640 pcs	10.800 pcs	12.960 pcs
Full Body Resin (Based on 3 pcs - 30 min.)	5.760 pcs	7.200 pcs	8.640 pcs
Hanger 1 / 3D (Based on 2 pcs - 20 min.)	5.760 pcs	7.200 pcs	8.640 pcs
Hanger 2 / 3D (Based on 1 pc - 20 min.)	2.880 pcs	3.600 pcs	4.320 pcs
Vacuum 3D or 3D Without Hanger (Based on 3 pcs - 20 min.)	8.640 pcs	10.800 pcs	12.960 pcs
Gate Entrance - mm	950	950	950
Electric Consumption	6 kw/h	7 kw/h	8 kw/h
Natural Gas	12 m ³ /h	14 m ³ /h	16 m ³ /h
LPG	8 - 9 kg/h	9 - 10 kg/h	11 - 12 kg/h
Diesel	10 - 12 lt/h	12 - 13 lt/h	15 - 16 lt/h
Voltage	380V, 50 Hz.	380V, 50 Hz.	380V, 50 Hz.
Heating Capacity	0 - 180 °C	0 - 180 °C	0 - 180 °C
Conveyor Length	28000 - 32000	30000 - 34000 mm	33000 - 37000 mm
Burner	Weishaupt	Weishaupt	Weishaupt
Burner Capacity	120.000 - 150.000 kcal	150.000 - 175.000 kcal	175.000 - 200.000 kcal
Type Of Conveyor	Cardanic Type	Cardanic Type	Cardanic Type
Heating Time to 150 °C	30 - 35 min.	30 - 35 min.	30 - 35 min.
Measurement Of Temperature	7 Different Points	7 Different Points	7 Different Points
Electric Control System	By PLC Control and Touch Screen	By PLC Control and Touch Screen	By PLC Control and Touch Screen
Homogeneity	± 8 °C	± 3 °C	± 3 °C

30 - 35 min.



Additional Specifications

- ✓ Heat resistant glass and light at the top for illumination.
- ✓ User Manual and spare parts all available.
- ✓ Wider inner dimensions to make curing with 3D Hangers.
- ✓ Insulable entrance and exit (Gates) for Hanger 3D system.
- ✓ After installation, Computerized Temperature Measurement.
- ✓ For minimum gas consumption, special device is used to set the burning value (mixture of carbon monoxide).

TYPE OF OVEN	A	B	C	D	E	TOTAL LAYOUT
IDOC-UT8-ECO	2700	2600	5800	8000	10200	16600 x 3200 x 2650
IDOC-UT10-ECO	2700	2600	5800	10000	12200	18600 x 3200 x 2650
IDOC-UT12-ECO	2700	2600	5800	12000	14200	20600 x 3200 x 2650

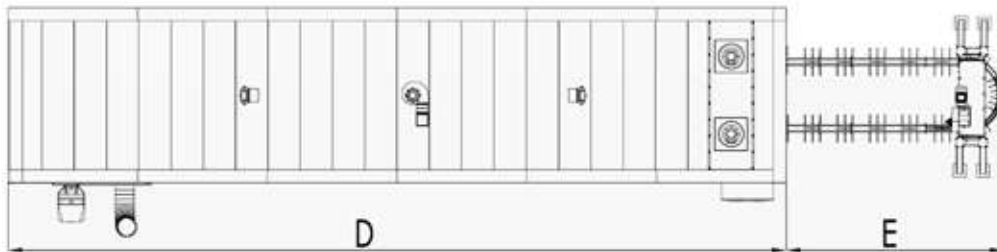
GENERAL VIEWS

Results and capacity are same, big differences in energy consumption, around %40 - %50 energy saving.

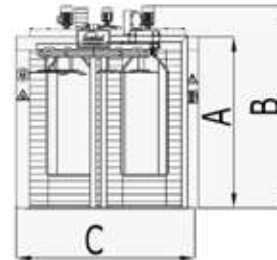
The above values are not stable and can be changed on Project basis. /Yükarıdaki değerler sabit değildir ve Proje bazında değişebilir.

Curing Ovens With Conveyor

Thermo-block (Heating Unit) was mounted to the back side of the oven. There is a burner system in the heating unit, which turns the fuel into the flame and an exchanger system is made of stainless stell, turns the flame into heat and also fan system dispatches the heating air through the oven.



TYPE OF OVEN	A	B	C	D	E	TOTAL LAYOUT
IDOC-S8	2330	2930	2300	8000	5000	13000 x 2500 x 2930
IDOC-S10	2330	2930	2300	10000	5000	14000 x 2500 x 2900
IDOC-S12	2330	2930	2300	12000	5000	17000 x 2500 x 2900

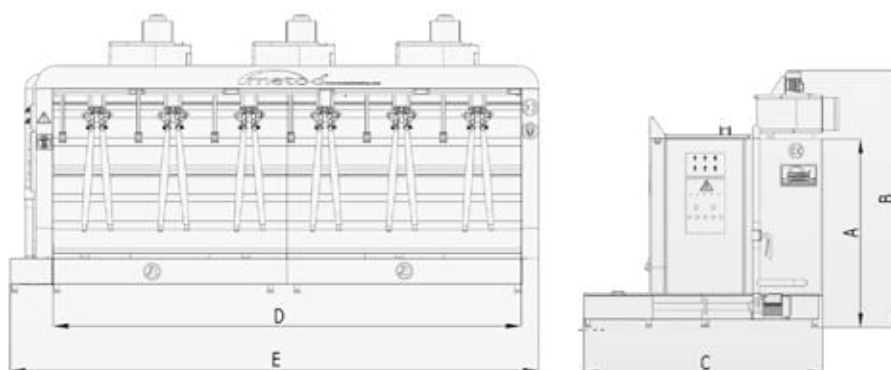
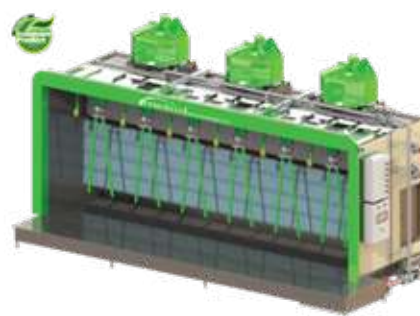


SPECIFICATIONS	IDOC-S8	IDOC-S10	IDOC-S12
MODEL	IDOC-S8	IDOC-S10	IDOC-S12
10-12 Onz Denim Pants Per Load / With Hanger (Apparatus)	6,000 pcs pants/24 hours (based on 20 min.) / The capacity will be 50% less with Hanger	8,000 pcs pants/24 hours (based on 20 min.) / The capacity will be 50% less with Hanger	10,000 pcs pants/24 hours (based on 20 min.) / The capacity will be 50% less with Hanger
Max. Electricity Consumption Per Hour	10-12.5 kw/h	12.5-15 kw/h	15-17.5 kw/h
Max. Natural Gas Consumption Per Hour	15 m ³ /h	21 m ³ /h	26 m ³ /h
Total Heat Circulation Fan Capacity	10,000 m ³ /h - 5.5 kw/h	10,000 m ³ /h - 5.5 kw/h	13,000 m ³ /h - 7.5 kw/h
Burner and Origin	Uret Gas Burner / Turkey	Uret Gas Burner / Turkey	Uret Gas Burner / Turkey
Max. Oven Temperature	180 °C	180 °C	180 °C
Temperature Controller	Thermostat Control	Thermostat Control	Thermostat Control
Materials	Firing Unit : Entirely Stainless Steel Other : Galvanized Sheet Metal	Firing Unit : Entirely Stainless Steel Other : Galvanized Sheet Metal	Firing Unit : Entirely Stainless Steel Other : Galvanized Sheet Metal
Hanger Type / Quantity	50 T-Type Conveyor Hangers - 3 jeans for each hanger (150 pcs garments)	55 T-Type Conveyor Hangers - 3 jeans for each hanger (165 pcs garments)	60 T-Type Conveyor Hangers - 3 jeans for each hanger (180 pcs garments)
Conveyor Type / Colour	Webb Type I-Beam Conveyor / Grey	Webb Type I-Beam Conveyor / Grey	Webb Type I-Beam Conveyor / Grey
Conveyor Length / Inside of the Oven	28,000 - 30,000 mm / 17,000 mm	31,000 - 33,000 mm / 21,000 mm	35,000 - 47,000 mm / 25,000 mm
Burner Control	Data Control	Data Control	Data Control
Speed Range of the Conveyor	0.5 - 3.5 mt. / min.	0.5 - 3.5 mt. / min.	0.5 - 3.5 mt. / min.
Homogeneity	Max. ±3°C between bottom and top of the garment. It is shown to the customer with computerised system.	Max. ±3°C between bottom and top of the garment. It is shown to the customer with computerised system.	Max. ±3°C between bottom and top of the garment. It is shown to the customer with computerised system.
Certificate	CE	CE	CE

The above values are not stable and can be changed on Project basis. Yukarıdaki değerler sabit değildir ve Proje hususunda değişebilir.

Eco-Friendly Professional Spray And Chemical Application Cabinets

The construction of chemical application cabinet consists of 304 & 316 Cr-Ni stainless steel panels. The main pool is made of 2,5 mm 316 Cr-Ni Stainless Steel. The top pool, the water curtain and filtration tank having a thickness of 1,5 mm and side panels are made of 1 mm 304 Cr-ni Stainless steel. In this system, the air is flushed by the nozzles.



TYPE OF CABINET	A	B	C	D	E	TOTAL LAYOUT
WSCN-SAMPLE	2500	3700	3000	1400	2100	2100 x 3000 x 3700
WSCN-2R	2500	3700	3000	2400	3100	3100 x 3000 x 3700
WSCN-3R	2500	3700	3000	3500	4200	4200 x 3000 x 3700
WSCN-4R	2500	3700	3000	4500	5200	5200 x 3000 x 3700
WSCN-5R	2500	3700	3000	5500	6200	6200 x 3000 x 3700
WSCN-6R	2500	3700	3000	6500	7200	7200 x 3000 x 3700

SPECIFICATIONS	WSCN-SAMPLE	WSCN-2R	WSCN-3R
MODEL	WSCN-SAMPLE	WSCN-2R	WSCN-3R
No. Of Manikin	1	2	3
Material	AISI 316 & 304 / 1 - 1.5 - 2.5 mm	AISI 316 & 304 / 1 - 1.5 - 2.5 mm	AISI 316 & 304 / 1 - 1.5 - 2.5 mm
Manikin	Full Automatic Air Filling & Discharging	Full Automatic Air Filling & Discharging	Full Automatic Air Filling & Discharging
Power of the Fan Motor	1 x 2.2 kw (1 x 7.500 m ³ /h)	1 x 3kw (1 x 10.000m ³ /h)	1 x 3kw (1 x 10.000m ³ /h)
Compressed Air	6 Bar	6 Bar	6 Bar
Circulation Pump	304 / 316 Stainless Steel - 1,1kw	304 / 316 Stainless Steel - 1,5kw	304 / 316 Stainless Steel - 1,5kw
Water Pool Volume	Around 1000 lt.	Around 1800 lt.	Around 2600 lt.
Weight	750 kg	1300 kg	1750 kg
Certificate	CE	CE	CE

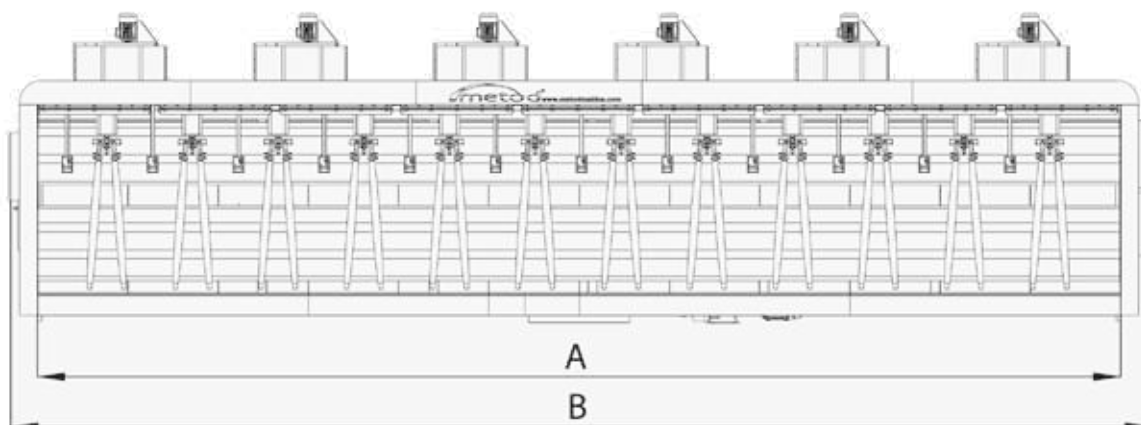
SPECIFICATIONS	WSCN-4R	WSCN-5R	WSCN-6R
MODEL	WSCN-4R	WSCN-5R	WSCN-6R
No. Of Manikin	4	5	6
Material	AISI 316 & 304 / 1 - 1.5 - 2.5 mm	AISI 316 & 304 / 1 - 1.5 - 2.5 mm	AISI 316 & 304 / 1 - 1.5 - 2.5 mm
Manikin	Full Automatic Air Filling & Discharging	Full Automatic Air Filling & Discharging	Full Automatic Air Filling & Discharging
Power of the Fan Motor	2 x 3kw (2 x 10.000m ³ /h)	2 x 3kw (2 x 10.000m ³ /h)	3 x 3kw (3 x 10.000m ³ /h)
Compressed Air	6 Bar	6 Bar	6 Bar
Circulation Pump	304 / 316 Stainless Steel - 2,2kw	304 / 316 Stainless Steel - 3kw	304 / 316 Stainless Steel - 3kw
Water Pool Volume	Around 3300 lt.	Around 4100 lt.	Around 4800 lt.
Weight	2250 kg	2750 kg	3500 kg
Certificate	CE	CE	CE

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You can also watch the videos on: www.metodmakina.com or www.youtube.com/metodmakina

Spray And Chemical Application Cabinets Without Platform

There is a double filtration system for the water, which is carried by the pump from the bottom tank to the one located on top of the cabinet. By this double filtration system, the impurity of water is prevented. The water used in the system is discharged by an emptying valve.



TYPE OF CABINET	A	B	C	D	TOTAL LAYOUT
WSC-6R	6000	6700	2200	3560	6700 x 2200 x 3560
WSC-8R	8000	8400	2700	3560	8400 x 2700 x 3560
WSC-12R	12000	12400	2700	3560	12400 x 2700 x 3560
WSC-16R	16000	16400	2700	3560	16400 x 2700 x 3560

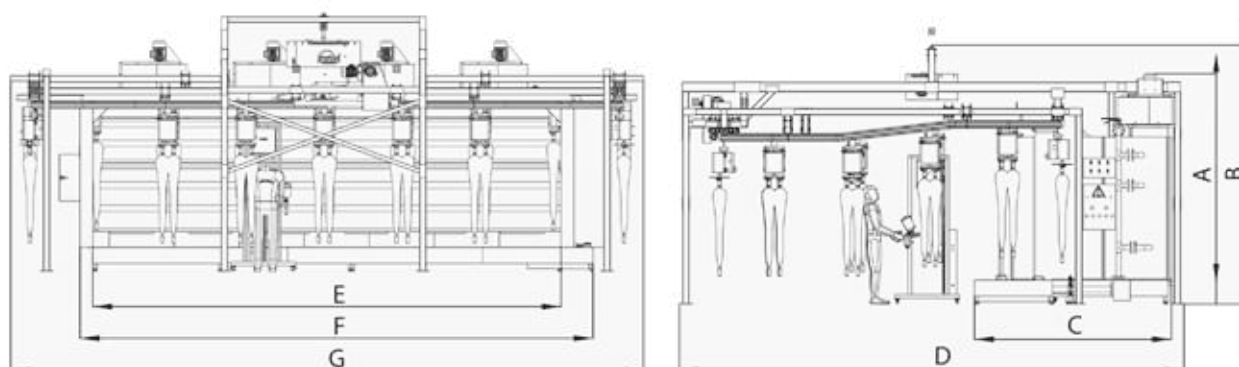


SPECIFICATIONS	WSC-6R	WSC-8R	WSC-12R	WSC-16R
MODEL	WSC-6R	WSC-8R	WSC-12R	WSC-16R
No. Of Manikin	6	8	12	16
Material	AlSi 304/316 / 1-1,5-2,5 mm	AlSi 304/316 / 1-1,5-2,5 mm	AlSi 304/316 / 1-1,5-2,5 mm	AlSi 304/316 / 1-1,5-2,5 mm
Manikin	Full Automatic Air Filling & Discharging	Full Automatic Air Filling & Discharging	Full Automatic Air Filling & Discharging	Full Automatic Air Filling & Discharging
Total Fan / Flow	3 x 3kw (3 x 10.000m ³ /h)	4 x 3kw (4 x 10.000m ³ /h)	6 x 3kw (6 x 10.000m ³ /h)	8 x 3kw (8 x 10.000m ³ /h)
Compressed Air	6 Bar	6 Bar	6 Bar	6 Bar
Circulation Pump	304/316 SS 3 kw	304/316 SS 4 kw	304/316 SS 5,5 kw	304/316 SS 7,5 kw
Water Pool Volume	Around 2000 lt.	Around 2750 lt.	Around 4750 lt.	Around 6000 lt.
Weight	2750 kg	3500 kg	5500 kg	6500 kg
Certificate	CE	CE	CE	CE

The above values are not stable and can be changed on Project basis. Yukarıdaki değerler sabit değildir ve Proje bazında değişebilir.

Spray And Chemical Application Cabinets With Conveyor

The cabinet system using in this system is designed in accordance with the customer demands as Eco-Friendly Professional or Semi Professional Cabi-net. In case of choosing The Semi Professional, The Conveyor System is made from Webb Type Conveyor and in case of choosing Eco-Friendly Cardanic Type, (Cardan Shaft) Conveyor is being chosen.



TYPE OF CABINET	A	B	C	D	E	F	G	TOTAL LAYOUT
WSCN-C16R	3700	4100	3000	4850	4800	5500	8000	8000 x 4850 x 4100
WSCN-C24R	3700	4100	3000	7250	7200	7900	10500	10500 x 7250 x 4100
WSCN-C16R-DC	3700	4100	3000	4850	4800	5500	9000	9000 x 4850 x 4100
WSCN-C24R-DC	3700	4100	3000	7250	7200	7900	11500	11500 x 7250 x 4100

SPECIFICATIONS	WSCN-C16R	WSCN-C24R	WSCN-C16R-DC	WSCN-C24R-DC
MODEL	WSCN-C16R	WSCN-C24R	WSCN-C16R-DC	WSCN-C24R-DC
No. Of Manikin	16	24	16	24
Drying Chamber	No	No	Yes	Yes
Suction Fan Motor of Drying Chamber	No	No	1 x 1,5 kw (1 x 5.000m ³ /h)	1 x 1,5 kw (1 x 5.000m ³ /h)
Blower Fan Motor of Drying Chamber	No	No	1 x 2,2 kw (1 x 7.500m ³ /h)	1 x 2,2 kw (1 x 7.500m ³ /h)
Material	AISI 316 & 304 / 1 - 1,5 - 2,5 mm	AISI 316 & 304 / 1 - 1,5 - 2,5 mm	AISI 316 & 304 / 1 - 1,5 - 2,5 mm	AISI 316 & 304 / 1 - 1,5 - 2,5 mm
Manikin	Full Automatic Air Filling & Discharging	Full Automatic Air Filling & Discharging	Full Automatic Air Filling & Discharging	Full Automatic Air Filling & Discharging
Total Fan / Flow	2 x 3kw (2 x 10.000m ³ /h)	4 x 3kw (4 x 10.000m ³ /h)	2 x 3kw (2 x 10.000m ³ /h)	4 x 3kw (4 x 10.000m ³ /h)
Compressed Air	6 Bar	6 Bar	6 Bar	6 Bar
Circulation Pump	304/316 SS 3 kw	304/316 SS 5,5 kw	304/316 SS 3 kw	304/316 SS 5,5 kw
Water Pool Volume	Around 3100 lt.	Around 5400 lt.	Around 3100 lt.	Around 5400 lt.
Weight	4000 kg	5500 kg	4750 kg	6250 kg
Certificate	CE	CE	CE	CE

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Chemical Application Systems And Accessories

Meto-Flow (Magic Box)

As binding to the washing machine, this system is used to coat the denim jeans or any other textile garments in the drum with the chemicals or etc. to be sprayed into the drum during the tumbling of the garments. And also Me-to-Flow minimises all risk to be occurred due to the human errors. There is not any limit for the chemicals or processes to be applied. The only constraint is that the mixture is liquid & fluid. The main purpose of the all above processes is spraying of the chemical mixture by atomization with compressed air onto the garments in the drum and expelling of the remain excess & unbound chemicals from the drum.



Metosense



It was developed for use of the companies in textile sector mostly for denim garments, fabric and so on. With 1/1000 precision, the dosing capability of the system for the chemical to be sprayed on the fabric is between 0,008 lt/min. to 12 lt/min. and can meet all expectations base on liter/time curves/scenarios. Comparing to the conventional systems, the main purpose is to reduce the chemical, dyestuff and/or water consumptions as much as possible by adapting to the washing/dyeing machines and to contribute to all ecosystem. Thanks to the special injector that is used in the system, very little chemical/dyestuff can be applied between desired time ranges and thus more homogenous distribution can be achieved as well as by using very less chemical/dyestuff. And also thanks to the tank heating option, the congelation of dyestuff and similat suff is prevented and keeping in ready to use anytime.

Metozon Machine

In Conventional Systems, some processes like Ageing, Bleaching, Anti-Backstaining, Desizing so on bring high financial burden to laundries for costs of chemical, water, energy and as well as water treatment. We, as Metod Makine aim to realise all above-mentioned processes at possible minimum costs by Metozone that we developed upon heavy demands of our customers and to contribute to both our customers and environment in term of sustainable production metO3zone is suitable and can be used for wet, moist and dry processes.



Chemical Application Systems And Accessories

Chemical Dosage System

Chemical Dosing System consists of dosage pump, spray, gun, dosage unit and hose pipe connection sections. The resin or chemicals with small particles are loaded in the dosage unit and the chemical amount that would be applied onto the garment is adjusted from the unit. With the help of dosage pump, the chemicals are conveyed to the spray gun. The main advantage of this system is that the chemical application is done equally on each garment as the spraying mechanism is operated automatically, on quantity basis, without the sprayer's control. Addition-ally, with this system, there is no physical effort required from the spraying person, a there is no tank at the top of the spray gun. This also effects the quality of work done so much. This system is running with air only, no electricity is required. The capacity of Chemical Dosage System is 400 CC.



Permanganate Application System

Thanks to its high volume and ability to move up-down, the PP Application system provides the possibility and easiness in applying the chemical for a long time with one full of tank in the chemical application process.

Pressure Tank With Mixer

Total System Pressure: 4 bar (Spray Gun: 0.5 bar, Mixer: 3.5 bar)

Dimensions: Diameter of 20 lt. Pressure Tank With Mixer:38 cm. Inside is stainless steel, outside is galvanized. Suction unit, mixer shaft and cover are made of galvanized.

Diameter of 40 lt. Pressure Tank With Mixer:38 cm. Inside is stainless steel, outside is galvanized. Suction unit, mixer shaft and cover are made of galvanized. Diameter of 50 lt. Pressure Tank With Mixer:45 cm. It is all made of stainless steel.

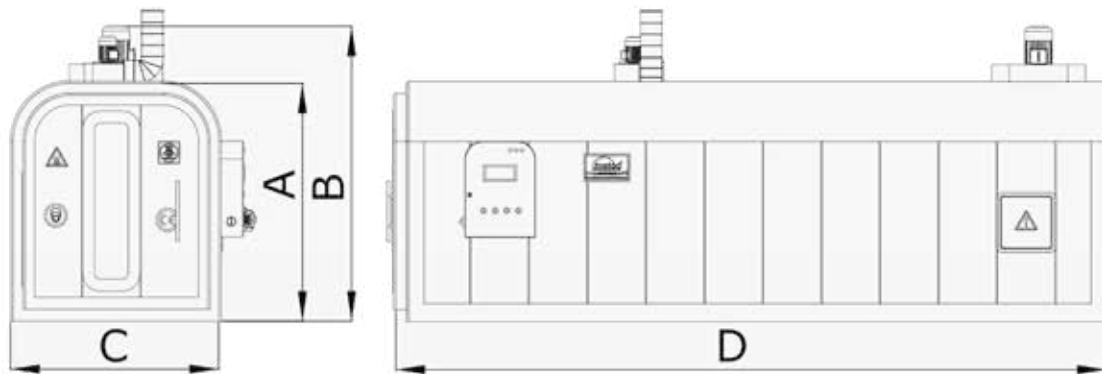


Batch / Box Type Curing Oven - Electrical Heating

The heating unit is made of stainless steel as the heating system is provided by Natural Gas, Diesel or LPG. As the burning chamber is separated and insulated inside the oven, there is no flame, fire, soot, Hack, pollution, dust coming up to the jeans so there is no mark, shade or smell etc. on the jeans.



There are special air ducts and blowing vents inside the oven in order to assure homogeneous distribution of hot air through the oven.



IDOT-G3500 / E3500	IDOT-G4000 / E4000	IDOT-G4500	IDOT-G5000	IDOT-G6000	IDOT-G7000
IDOT-G3500 / E3500	IDOT-G4000 / E4000	IDOT-G4500	IDOT-G5000	IDOT-G6000	IDOT-G7000
3,200 pcs pants/24 hours (based on 20 min.) / The capacity will be 50% less with Hanger	3,450 pcs pants/24 hours (based on 20 min.) / The capacity will be 50% less with Hanger	4,000 pcs pants/24 hours (based on 20 min.) / The capacity will be 50% less with Hanger	4,600 pcs pants/24 hours (based on 20 min.) / The capacity will be 50% less with Hanger	5,000 pcs pants/24 hours (based on 20 min.) / The capacity will be 50% less with Hanger	6,500 pcs pants/24 hours (based on 20 min.) / The capacity will be 50% less with Hanger
1,87 kw/h (gas heating) 29,87 kw/h (electrical heating)	1,87 kw/h (gas heating) 31,87 kw/h (electrical heating)	2,25 kw/h	2,95 kw/h	4,10 kw/h	4,10 kw/h
28 kw	30 kw	N/A	N/A	N/A	N/A
9 m ³ /h	11 m ³ /h	12 m ³ /h	14 m ³ /h	16 m ³ /h	18 m ³ /h
3000 m ³ /h - 1,5 kw/h	3000 m ³ /h - 1,5 kw/h	3000 m ³ /h - 1,5 kw/h	4,500 m ³ /h - 2,2 kw/h	5,500 m ³ /h - 3 kw/h	5,500 m ³ /h - 3 kw/h
Uret / Turkey	Uret / Turkey	Uret / Turkey	Uret / Turkey	Uret / Turkey	Uret / Turkey
180 °C	180 °C	180 °C	180 °C	180 °C	180 °C
Thermostat Control	Thermostat Control	Thermostat Control	Thermostat Control	Thermostat Control	Thermostat Control
Firing Unit: Entirely Stainless Steel Other: Galvanized Sheet Metal	Firing Unit: Entirely Stainless Steel Other: Galvanized Sheet Metal	Firing Unit: Entirely Stainless Steel Other: Galvanized Sheet Metal	Firing Unit: Entirely Stainless Steel Other: Galvanized Sheet Metal	Firing Unit: Entirely Stainless Steel Other: Galvanized Sheet Metal	Firing Unit: Entirely Stainless Steel Other: Galvanized Sheet Metal
Data Control	Data Control	Data Control	Data Control	Data Control	Data Control
1/60	2/70	2/80	2/90	2/110	2/130
Max. ±3°C between bottom and top of the garment. It is shown to the customer with computerised system.	Max. ±3°C between bottom and top of the garment. It is shown to the customer with computerised system.	Max. ±3°C between bottom and top of the garment. It is shown to the customer with computerised system.	Max. ±3°C between bottom and top of the garment. It is shown to the customer with computerised system.	Max. ±3°C between bottom and top of the garment. It is shown to the customer with computerised system.	Max. ±3°C between bottom and top of the garment. It is shown to the customer with computerised system.
CE	CE	CE	CE	CE	CE

The above values are not stable and can be changed on Project basis. Yukarıdaki değerler sabit değildir ve Proje bazında değişebilir.

You can also watch the videos on: www.metodmakina.com or www.youtube.com/metodmakina

TYPE OF OVEN	A	B	C	D	INNER DIMENSIONS	TOTAL LAYOUT
IDOT-SAMPLE	2000	2650	1500	2100	1200 x 1200 x 1800	2100 x 1500 x 2650
IDOT-G2000 / E2000	2000	2650	1800	3200	2000 x 1500 x 1800	3200 x 1800 x 2650
IDOT-G2500 / E2500	2000	2650	1800	3700	2500 x 1500 x 1800	3700 x 1800 x 2650
IDOT-G3000 / E3000	2000	2650	1800	4200	3000 x 1500 x 1800	4200 x 1800 x 2650
IDOT-G3500 / E3500	2000	2650	1800	4700	3500 x 1500 x 1800	4700 x 1800 x 2650
IDOT-G4000 / E4000	2000	2650	1800	5200	4000 x 1500 x 1800	5200 x 1800 x 2650
IDOT-G4500	2000	2650	1800	5700	4500 x 1500 x 1800	5700 x 1800 x 2650
IDOT-G5000	2000	2650	1800	6200	5000 x 1500 x 1800	6200 x 1800 x 2650
IDOT-G6000	2000	2650	1800	7200	6000 x 1500 x 1800	7200 x 1800 x 2650
IDOT-G7000	2000	2650	1800	8200	7000 x 1500 x 1800	8200 x 1800 x 2650

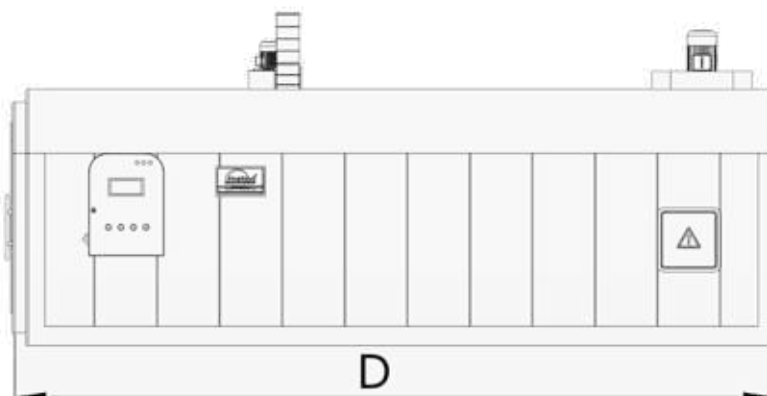
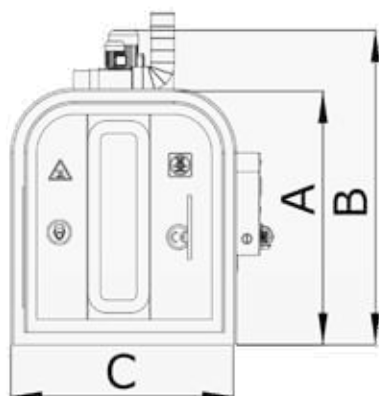
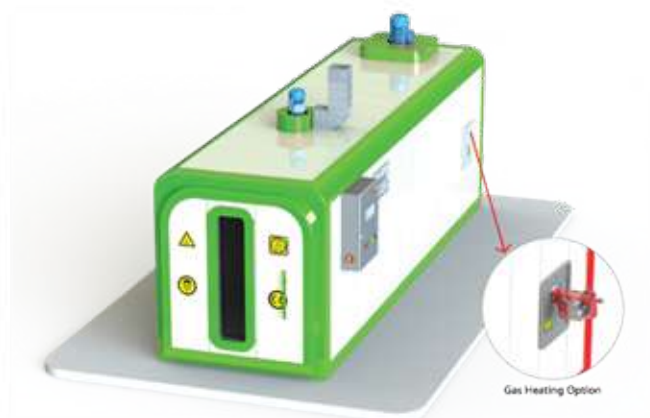
SPECIFICATIONS	IDOT-SAMPLE	IDOT-G2000 / E2000	IDOT-G2500 / E2500	IDOT-G3000 / E3000
MODEL	IDOT-SAMPLE	IDOT-G2000 / E2000	IDOT-G2500 / E2500	IDOT-G3000 / E3000
10-12 Onz Denim Pants Per Load / With Hanger (Apparatus)	450 pcs pants/24 hours (based on 20 min.) / The capacity will be 50% less with Hanger	1.700 pcs pants/24 hours (based on 20 min.) / The capacity will be 50% less with Hanger	2.300 pcs pants/24 hours (based on 20 min.) / The capacity will be 50% less with Hanger	2.900 pcs pants/24 hours (based on 20 min.) / The capacity will be 50% less with Hanger
Max. Electricity Consumption Per Hour	1,12 kw/h (gas heating) 24,12 kw/h (electrical heating)	1,12 kw/h (gas heating) 24,12 kw/h (electrical heating)	1,47 kw/h (gas heating) 24,47 kw/h (electrical heating)	1,87 kw/h (gas heating) 27,87 kw/h (electrical heating)
Total Power of Resistance Group	24 kw	24 kw	24 kw	26 kw
Max. Natural Gas Consumption Per Hour	4 m ³ /h	6 m ³ /h	7,5 m ³ /h	8 m ³ /h
Total Heat Circulation Fan Capacity	1.500 m ³ /h - 0,75 kw/h	1.500 m ³ /h - 0,75 kw/h	2.500 m ³ /h - 1,1 kw/h	3.000 m ³ /h - 1,5 kw/h
Burner and Origin	Uret / Turkey	Uret / Turkey	Uret / Turkey	Uret / Turkey
Max. Oven Temperature	180 °C	180 °C	180 °C	180 °C
Temperature Controller	Thermostate Control	Thermostate Control	Thermostate Control	Thermostate Control
Materials	Firing Unit: Entirely Stainless Steel Other: Galvanized Sheet Metal	Firing Unit: Entirely Stainless Steel Other: Galvanized Sheet Metal	Firing Unit: Entirely Stainless Steel Other: Galvanized Sheet Metal	Firing Unit: Entirely Stainless Steel Other: Galvanized Sheet Metal
Burner Control	Data Control	Data Control	Data Control	Data Control
Trolley / Hanger	No	1/30	1/40	1/50
Homogeneity	Max. ±3°C between bottom and top of the garment. It is shown to the customer with computerised system.	Max. ±3°C between bottom and top of the garment. It is shown to the customer with computerised system.	Max. ±3°C between bottom and top of the garment. It is shown to the customer with computerised system.	Max. ±3°C between bottom and top of the garment. It is shown to the customer with computerised system.
Certificate	CE	CE	CE	CE

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Batch / Box Type Curing Oven - Gas Heating

Batch / Box Type Curing Ovens – Gas Heating consist of demounted sandwich type panels. The insulation material used between the panels is 60 kgirn3 , rock wool and glass wool.The heating units assigned according to the type of the over and mounted at the backside of the oven.



IDOT-G3500 / E3500	IDOT-G4000 / E4000	IDOT-G4500	IDOT-G5000	IDOT-G6000	IDOT-G7000
IDOT-G3500 / E3500	IDOT-G4000 / E4000	IDOT-G4500	IDOT-G5000	IDOT-G6000	IDOT-G7000
3,200 pcs pants/24 hours (based on 20 min.) / The capacity will be 50% less with Hanger	3,450 pcs pants/24 hours (based on 20 min.) / The capacity will be 50% less with Hanger	4,000 pcs pants/24 hours (based on 20 min.) / The capacity will be 50% less with Hanger	4,600 pcs pants/24 hours (based on 20 min.) / The capacity will be 50% less with Hanger	5,000 pcs pants/24 hours (based on 20 min.) / The capacity will be 50% less with Hanger	6,500 pcs pants/24 hours (based on 20 min.) / The capacity will be 50% less with Hanger
1,87 kw/h (gas heating) 29,87 kw/h (electrical heating)	1,87 kw/h (gas heating) 31,87 kw/h (electrical heating)	2,25 kw/h	2,95 kw/h	4,10 kw/h	4,10 kw/h
28 kw	30 kw	N/A	N/A	N/A	N/A
9 m ³ /h	11 m ³ /h	12 m ³ /h	14 m ³ /h	16 m ³ /h	18 m ³ /h
3000 m ³ /h - 1,5 kw/h	3000 m ³ /h - 1,5 kw/h	3000 m ³ /h - 1,5 kw/h	4,500 m ³ /h - 2,2 kw/h	5,500 m ³ /h - 3 kw/h	5,500 m ³ /h - 3 kw/h
Uret / Turkey	Uret / Turkey	Uret / Turkey	Uret / Turkey	Uret / Turkey	Uret / Turkey
180 °C	180 °C	180 °C	180 °C	180 °C	180 °C
Thermostate Control	Thermostate Control	Thermostate Control	Thermostate Control	Thermostate Control	Thermostate Control
Firing Unit: Entirely Stainless Steel Other: Galvanized Sheet Metal	Firing Unit: Entirely Stainless Steel Other: Galvanized Sheet Metal	Firing Unit: Entirely Stainless Steel Other: Galvanized Sheet Metal	Firing Unit: Entirely Stainless Steel Other: Galvanized Sheet Metal	Firing Unit: Entirely Stainless Steel Other: Galvanized Sheet Metal	Firing Unit: Entirely Stainless Steel Other: Galvanized Sheet Metal
Data Control	Data Control	Data Control	Data Control	Data Control	Data Control
1/60	2/70	2/80	2/90	2/110	2/130
Max. ±3°C between bottom and top of the garment. It is shown to the customer with computerised system.	Max. ±3°C between bottom and top of the garment. It is shown to the customer with computerised system.	Max. ±3°C between bottom and top of the garment. It is shown to the customer with computerised system.	Max. ±3°C between bottom and top of the garment. It is shown to the customer with computerised system.	Max. ±3°C between bottom and top of the garment. It is shown to the customer with computerised system.	Max. ±3°C between bottom and top of the garment. It is shown to the customer with computerised system.
CE	CE	CE	CE	CE	CE

The above values are not stable and can be changed on Project basis. Yukarıdaki degerler sahi degişir ve Proje bazında değışebilir.

You can also watch the videos on: www.metodmakina.com or www.youtube.com/metodmakina

TYPE OF OVEN	A	B	C	D	INNER DIMENSIONS	TOTAL LAYOUT
IDOT-SAMPLE	2000	2650	1500	2100	1200 x 1200 x 1800	2100 x 1500 x 2650
IDOT-G2000 / E2000	2000	2650	1800	3200	2000 x 1500 x 1800	3200 x 1800 x 2650
IDOT-G2500 / E2500	2000	2650	1800	3700	2500 x 1500 x 1800	3700 x 1800 x 2650
IDOT-G3000 / E3000	2000	2650	1800	4200	3000 x 1500 x 1800	4200 x 1800 x 2650
IDOT-G3500 / E3500	2000	2650	1800	4700	3500 x 1500 x 1800	4700 x 1800 x 2650
IDOT-G4000 / E4000	2000	2650	1800	5200	4000 x 1500 x 1800	5200 x 1800 x 2650
IDOT-G4500	2000	2650	1800	5700	4500 x 1500 x 1800	5700 x 1800 x 2650
IDOT-G5000	2000	2650	1800	6200	5000 x 1500 x 1800	6200 x 1800 x 2650
IDOT-G6000	2000	2650	1800	7200	6000 x 1500 x 1800	7200 x 1800 x 2650
IDOT-G7000	2000	2650	1800	8200	7000 x 1500 x 1800	8200 x 1800 x 2650

SPECIFICATIONS	IDOT-SAMPLE	IDOT-G2000 / E2000	IDOT-G2500 / E2500	IDOT-G3000 / E3000
MODEL	IDOT-SAMPLE	IDOT-G2000 / E2000	IDOT-G2500 / E2500	IDOT-G3000 / E3000
10-12 Onz Denim Pants Per Load / With Hanger (Apparatus)	450 pcs pants/24 hours (based on 20 min.) / The capacity will be 50% less with Hanger	1.700 pcs pants/24 hours (based on 20 min.) / The capacity will be 50% less with Hanger	2.300 pcs pants/24 hours (based on 20 min.) / The capacity will be 50% less with Hanger	2.900 pcs pants/24 hours (based on 20 min.) / The capacity will be 50% less with Hanger
Max. Electricity Consumption Per Hour	1,12 kw/h (gas heating) 24,12 kw/h (electrical heating)	1,12 kw/h (gas heating) 24,12 kw/h (electrical heating)	1,47 kw/h (gas heating) 24,47 kw/h (electrical heating)	1,87 kw/h (gas heating) 27,87 kw/h (electrical heating)
Total Power of Resistance Group	24 kw	24 kw	24 kw	26 kw
Max. Natural Gas Consumption Per Hour	4 m ³ /h	6 m ³ /h	7,5 m ³ /h	8 m ³ /h
Total Heat Circulation Fan Capacity	1.500 m ³ /h - 0,75 kw/h	1.500 m ³ /h - 0,75 kw/h	2.500 m ³ /h - 1,1 kw/h	3.000 m ³ /h - 1,5 kw/h
Burner and Origin	Uret / Turkey	Uret / Turkey	Uret / Turkey	Uret / Turkey
Max. Oven Temperature	180 °C	180 °C	180 °C	180 °C
Temperature Controller	Thermostate Control	Thermostate Control	Thermostate Control	Thermostate Control
Materials	Firing Unit: Entirely Stainless Steel Other: Galvanized Sheet Metal	Firing Unit: Entirely Stainless Steel Other: Galvanized Sheet Metal	Firing Unit: Entirely Stainless Steel Other: Galvanized Sheet Metal	Firing Unit: Entirely Stainless Steel Other: Galvanized Sheet Metal
Burner Control	Data Control	Data Control	Data Control	Data Control
Trolley / Hanger	No	1/30	1/40	1/50
Homogeneity	Max. ±3°C between bottom and top of the garment. It is shown to the customer with computerised system.	Max. ±3°C between bottom and top of the garment. It is shown to the customer with computerised system.	Max. ±3°C between bottom and top of the garment. It is shown to the customer with computerised system.	Max. ±3°C between bottom and top of the garment. It is shown to the customer with computerised system.
Certificate	CE	CE	CE	CE

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Metodryer - Horizontal Tumbler Dryer

This machine was developed by Metod Makine in order to provide rapid & non-stop work flow and high capacity and prevent the unnecessary space occupancy in laundries.

Able to be adapted to any existing conveyor type curing oven, this system lets you to get higher capacities in less processing time even by consuming less energy, less steam and less work-force easily.

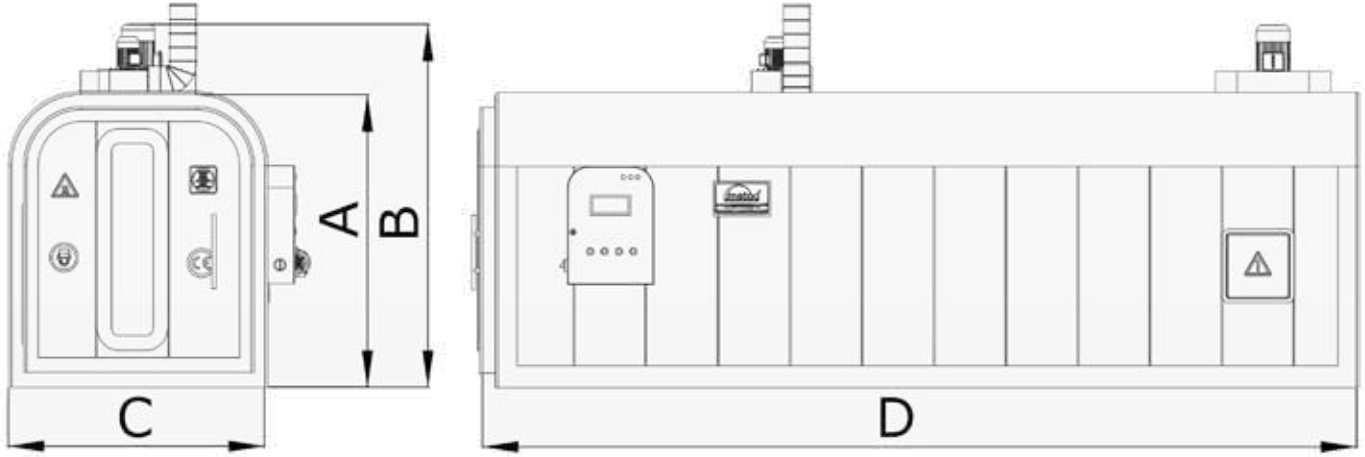


TYPE OF OVEN	A	B	C	D	INNER DIMENSIONS	TOTAL LAYOUT
IDOT-SAMPLE	2000	2650	1500	2100	1200 x 1200 x 1800	2100 x 1500 x 2650
IDOT-G2000 / E2000	2000	2650	1800	3200	2000 x 1500 x 1800	3200 x 1800 x 2650
IDOT-G2500 / E2500	2000	2650	1800	3700	2500 x 1500 x 1800	3700 x 1800 x 2650
IDOT-G3000 / E3000	2000	2650	1800	4200	3000 x 1500 x 1800	4200 x 1800 x 2650
IDOT-G3500 / E3500	2000	2650	1800	4700	3500 x 1500 x 1800	4700 x 1800 x 2650
IDOT-G4000 / E4000	2000	2650	1800	5200	4000 x 1500 x 1800	5200 x 1800 x 2650
IDOT-G4500	2000	2650	1800	5700	4500 x 1500 x 1800	5700 x 1800 x 2650
IDOT-G5000	2000	2650	1800	6200	5000 x 1500 x 1800	6200 x 1800 x 2650
IDOT-G6000	2000	2650	1800	7200	6000 x 1500 x 1800	7200 x 1800 x 2650
IDOT-G7000	2000	2650	1800	8200	7000 x 1500 x 1800	8200 x 1800 x 2650

SPECIFICATIONS	IDOT-SAMPLE	IDOT-G2000 / E2000	IDOT-G2500 / E2500	IDOT-G3000 / E3000
MODEL	IDOT-SAMPLE	IDOT-G2000 / E2000	IDOT-G2500 / E2500	IDOT-G3000 / E3000
10-12 Onz Denim Pants Per Load / With Hanger (Apparatus)	450 pcs pants/24 hours (based on 20 min.) / The capacity will be 50% less with Hanger	1.700 pcs pants/24 hours (based on 20 min.) / The capacity will be 50% less with Hanger	2.300 pcs pants/24 hours (based on 20 min.) / The capacity will be 50% less with Hanger	2.900 pcs pants/24 hours (based on 20 min.) / The capacity will be 50% less with Hanger
Max. Electricity Consumption Per Hour	1,12 kw/h (gas heating) 24,12 kw/h (electrical heating)	1,12 kw/h (gas heating) 24,12 kw/h (electrical heating)	1,47 kw/h (gas heating) 24,47 kw/h (electrical heating)	1,87 kw/h (gas heating) 27,87 kw/h (electrical heating)
Total Power of Resistance Group	24 kw	24 kw	24 kw	26 kw
Max. Natural Gas Consumption Per Hour	4 m ³ /h	6 m ³ /h	7,5 m ³ /h	8 m ³ /h
Total Heat Circulation Fan Capacity	1.500 m ³ /h - 0,75 kw/h	1.500 m ³ /h - 0,75 kw/h	2.500 m ³ /h - 1,1 kw/h	3.000 m ³ /h - 1,5 kw/h
Burner and Origin	Uret / Turkey	Uret / Turkey	Uret / Turkey	Uret / Turkey
Max. Oven Temperature	180 °C	180 °C	180 °C	180 °C
Temperature Controller	Thermostate Control	Thermostate Control	Thermostate Control	Thermostate Control
Materials	Firing Unit: Entirely Stainless Steel Other: Galvanized Sheet Metal	Firing Unit: Entirely Stainless Steel Other: Galvanized Sheet Metal	Firing Unit: Entirely Stainless Steel Other: Galvanized Sheet Metal	Firing Unit: Entirely Stainless Steel Other: Galvanized Sheet Metal
Burner Control	Data Control	Data Control	Data Control	Data Control
Trolley / Hanger	No	1/30	1/40	1/50
Homogeneity	Max. ±3°C between bottom and top of the garment. It is shown to the customer with computerised system.	Max. ±3°C between bottom and top of the garment. It is shown to the customer with computerised system.	Max. ±3°C between bottom and top of the garment. It is shown to the customer with computerised system.	Max. ±3°C between bottom and top of the garment. It is shown to the customer with computerised system.
Certificate	CE	CE	CE	CE

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IDOT-G3500 / E3500	IDOT-G4000 / E4000	IDOT-G4500	IDOT-G5000	IDOT-G6000	IDOT-G7000
IDOT-G3500 / E3500	IDOT-G4000 / E4000	IDOT-G4500	IDOT-G5000	IDOT-G6000	IDOT-G7000
3.200 pcs pants/24 hours (based on 20 min.) / The capacity will be 50% less with Hanger	3.450 pcs pants/24 hours (based on 20 min.) / The capacity will be 50% less with Hanger	4.000 pcs pants/24 hours (based on 20 min.) / The capacity will be 50% less with Hanger	4.600 pcs pants/24 hours (based on 20 min.) / The capacity will be 50% less with Hanger	5.000 pcs pants/24 hours (based on 20 min.) / The capacity will be 50% less with Hanger	6.500 pcs pants/24 hours (based on 20 min.) / The capacity will be 50% less with Hanger
1,87 kw/h (gas heating) 29,87 kw/h (electrical heating)	1,87 kw/h (gas heating) 31,87 kw/h (electrical heating)	2,25 kw/h	2,95 kw/h	4,10 kw/h	4,10 kw/h
28 kw	30 kw	N/A	N/A	N/A	N/A
9 m ³ /h	11 m ³ /h	12 m ³ /h	14 m ³ /h	16 m ³ /h	18 m ³ /h
3000 m ³ /h - 1,5 kw/h	3000 m ³ /h - 1,5 kw/h	3000 m ³ /h - 1,5 kw/h	4.500 m ³ /h - 2,2 kw/h	5.500 m ³ /h - 3 kw/h	5.500 m ³ /h - 3 kw/h
Uret / Turkey	Uret / Turkey	Uret / Turkey	Uret / Turkey	Uret / Turkey	Uret / Turkey
180 °C	180 °C	180 °C	180 °C	180 °C	180 °C
Thermostate Control	Thermostate Control	Thermostate Control	Thermostate Control	Thermostate Control	Thermostate Control
Firing Unit: Entirely Stainless Steel Other: Galvanized Sheet Metal	Firing Unit: Entirely Stainless Steel Other: Galvanized Sheet Metal	Firing Unit: Entirely Stainless Steel Other: Galvanized Sheet Metal	Firing Unit: Entirely Stainless Steel Other: Galvanized Sheet Metal	Firing Unit: Entirely Stainless Steel Other: Galvanized Sheet Metal	Firing Unit: Entirely Stainless Steel Other: Galvanized Sheet Metal
Data Control	Data Control	Data Control	Data Control	Data Control	Data Control
1/60	2/70	2/80	2/90	2/110	2/130
Max. ±3°C between bottom and top of the garment. It is shown to the customer with computerised system.	Max. ±3°C between bottom and top of the garment. It is shown to the customer with computerised system.	Max. ±3°C between bottom and top of the garment. It is shown to the customer with computerised system.	Max. ±3°C between bottom and top of the garment. It is shown to the customer with computerised system.	Max. ±3°C between bottom and top of the garment. It is shown to the customer with computerised system.	Max. ±3°C between bottom and top of the garment. It is shown to the customer with computerised system.
CE	CE	CE	CE	CE	CE

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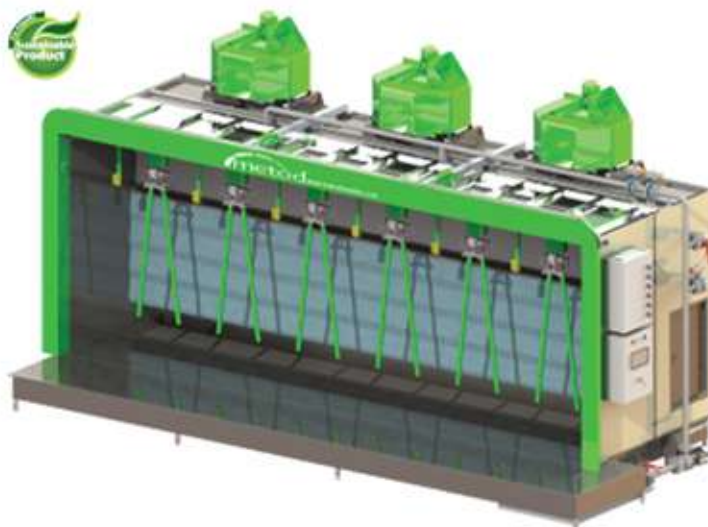
Eco-Friendly Professional Spray And Chemical Application Cabinets

The construction of chemical application cabinet consists of 304 & 316 Cr-Ni stainless steel panels. The main pool is made of 2,5 mm 316 Cr-Ni Stainless Steel. The top pool, the water curtain and filtration tank having a thickness of 1,5 mm and side panels are made of 1 mm 304 Cr-ni Stainless steel. In this system, the air is flushed by the nozzles.

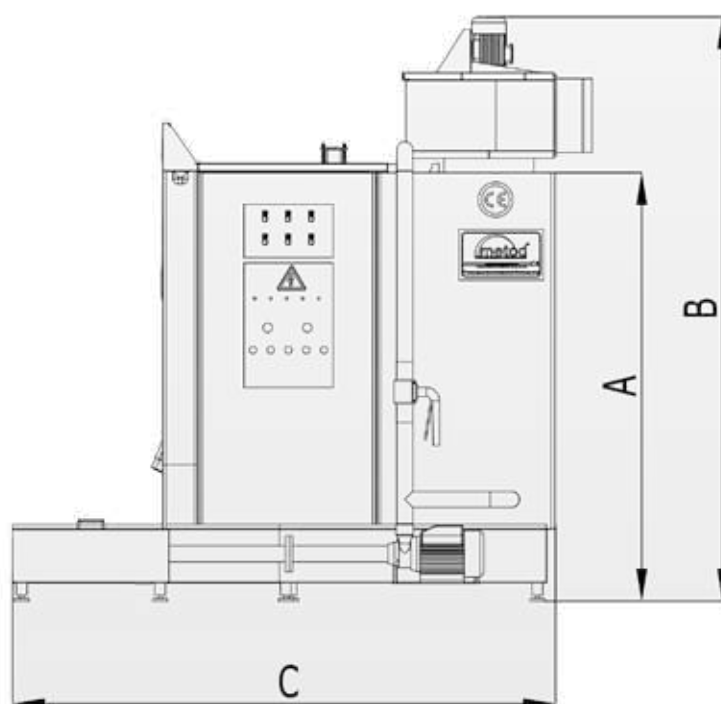
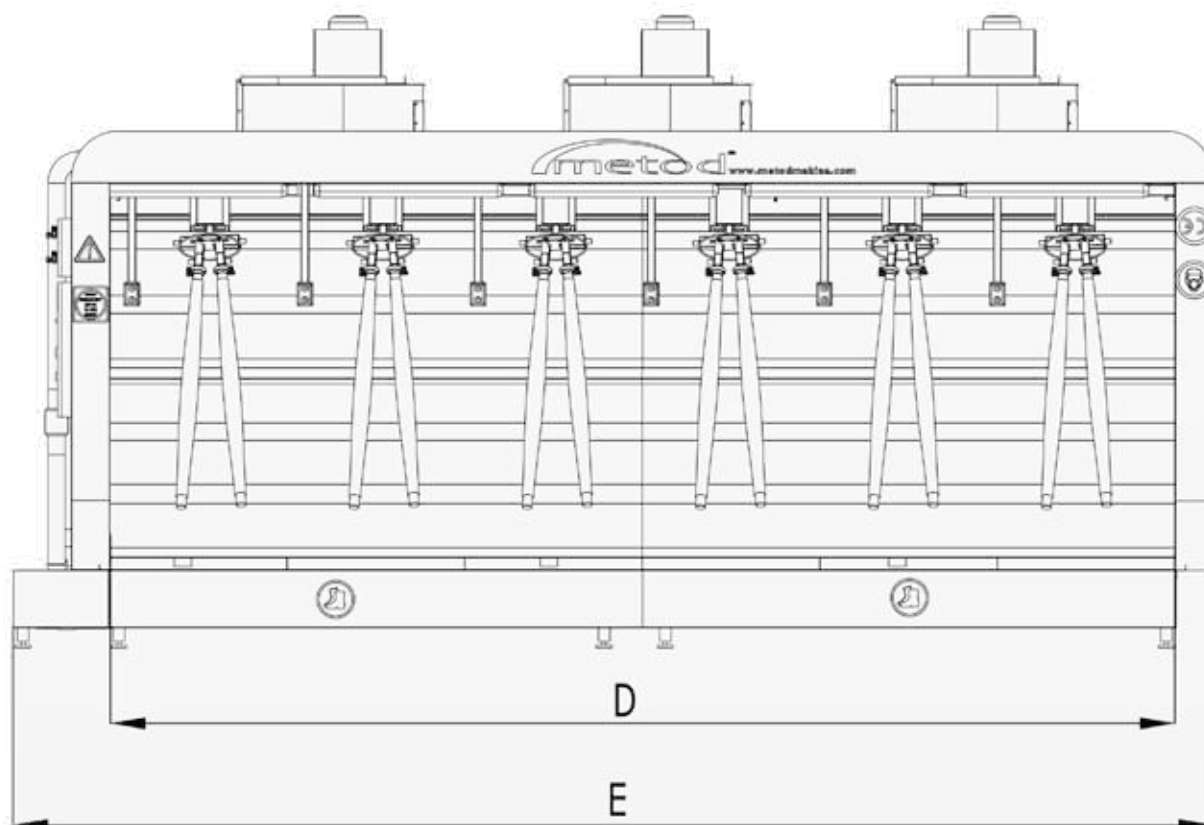
Any chemical or permanganate particles unavoidable by water screen are bound by those flushing nozzles. The nozzles can be cleaned when needed, as they are easily detachable.

There are two different separate valves functioning in order to adjust the pressure of the top carriage container and nozzles. There is a double filtration system for the water, which is carried by the pump from the bottom tank to the one located on top of the cabinet.

By this double filtration system, the impurity of water is prevented. The water used in the system is discharged by an emptying valve.



Spray And
Chemical
Application
Cabinets



TYPE OF CABINET	A	B	C	D	E	TOTAL LAYOUT
WSCN-SAMPLE	2500	3700	3000	1400	2100	2100 x 3000 x 3700
WSCN-2R	2500	3700	3000	2400	3100	3100 x 3000 x 3700
WSCN-3R	2500	3700	3000	3500	4200	4200 x 3000 x 3700
WSCN-4R	2500	3700	3000	4500	5200	5200 x 3000 x 3700
WSCN-5R	2500	3700	3000	5500	6200	6200 x 3000 x 3700
WSCN-6R	2500	3700	3000	6500	7200	7200 x 3000 x 3700

SPECIFICATIONS	WSCN-SAMPLE	WSCN-2R	WSCN-3R
MODEL	WSCN-SAMPLE	WSCN-2R	WSCN-3R
No. Of Manikin	1	2	3
Material	AISI 316 & 304 / 1 - 1,5 - 2,5 mm	AISI 316 & 304 / 1 - 1,5 - 2,5 mm	AISI 316 & 304 / 1 - 1,5 - 2,5 mm
Manikin	Full Automatic Air Filling & Discharging	Full Automatic Air Filling & Discharging	Full Automatic Air Filling & Discharging
Power of the Fan Motor	1 x 2,2 kw (1 x 7.500 m ³ /h)	1 x 3kw (1 x 10.000m ³ /h)	1 x 3kw (1 x 10.000m ³ /h)
Compressed Air	6 Bar	6 Bar	6 Bar
Circulation Pump	304 / 316 Stainless Steel - 1,1kw	304 / 316 Stainless Steel - 1,5 kw	304 / 316 Stainless Steel - 1,5kw
Water Pool Volume	Around 1000 lt.	Around 1800 lt.	Around 2600 lt.
Weight	750 kg	1300 kg	1750 kg
Certificate	CE	CE	CE

SPECIFICATIONS	WSCN-4R	WSCN-5R	WSCN-6R
MODEL	WSCN-4R	WSCN-5R	WSCN-6R
No. Of Manikin	4	5	6
Material	AISI 316 & 304 / 1 - 1,5 - 2,5 mm	AISI 316 & 304 / 1 - 1,5 - 2,5 mm	AISI 316 & 304 / 1 - 1,5 - 2,5 mm
Manikin	Full Automatic Air Filling & Discharging	Full Automatic Air Filling & Discharging	Full Automatic Air Filling & Discharging
Power of the Fan Motor	2 x 3kw (2 x 10.000m ³ /h)	2 x 3kw (2 x 10.000m ³ /h)	3 x 3kw (3 x 10.000m ³ /h)
Compressed Air	6 Bar	6 Bar	6 Bar
Circulation Pump	304 / 316 Stainless Steel - 2,2kw	304 / 316 Stainless Steel - 3kw	304 / 316 Stainless Steel - 3kw
Water Pool Volume	Around 3300 lt.	Around 4100 lt.	Around 4800 lt.
Weight	2250 kg	2750 kg	3500 kg
Certificate	CE	CE	CE

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Spray And Chemical Application Cabinets Without Platform

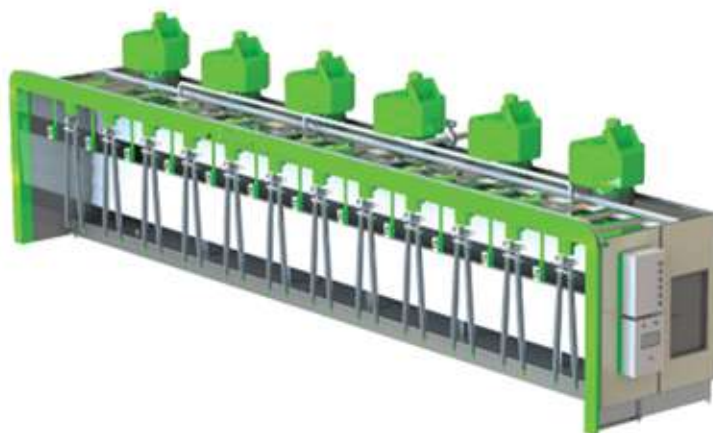
The construction of chemical application cabinet consists of 304 Cr-Ni stain-less steel panels.

The main pool is made of 2,5 mm 304 Cr-Ni Stainless Steel. The top pool, the water curtain and filtration tank having a thickness of 1,5 mm and side panels are made of 1 mm 304 Cr-Ni Stainless steel.

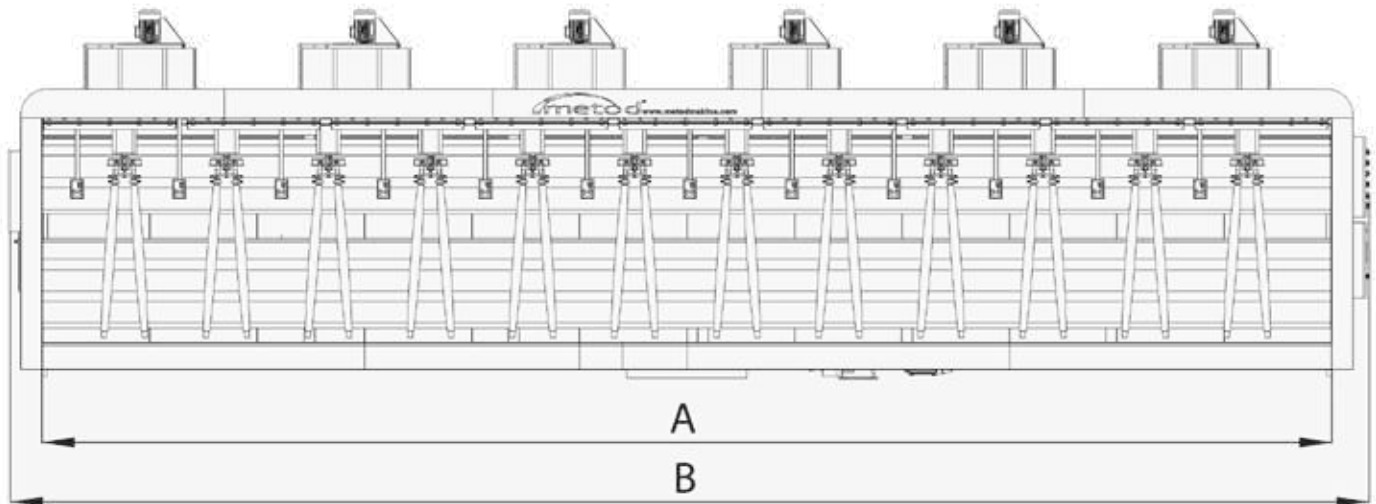
In this system, there is not nozzle system and front platform.

There is a double filtration system for the water, which is carried by the pump from the bottom tank to the one located on top of the cabinet. By this double filtration system, the impurity of water is prevented.

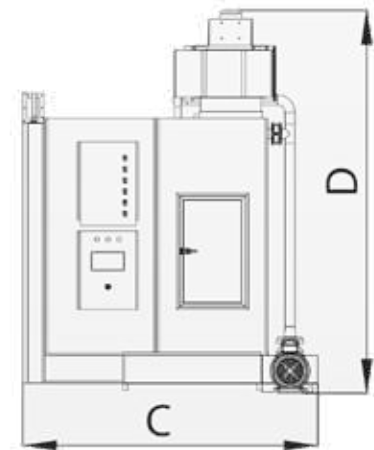
The water used in the system is discharged by an emptying valve.



Spray And
Chemical
Application
Cabinets



TYPE OF CABINET	A	B	C	D	TOTAL LAYOUT
WSC-6R	6000	6700	2200	3560	6700 x 2200 x 3560
WSC-8R	8000	8400	2700	3560	8400 x 2700 x 3560
WSC-12R	12000	12400	2700	3560	12400 x 2700 x 3560
WSC-16R	16000	16400	2700	3560	16400 x 2700 x 3560



SPECIFICATIONS	WSC-6R	WSC-8R	WSC-12R	WSC-16R
MODEL	WSC-6R	WSC-8R	WSC-12R	WSC-16R
No. Of Manikin	6	8	12	16
Material	AISI 304/316 / 1-1,5-2,5 mm	AISI 304/316 / 1-1,5-2,5 mm	AISI 304/316 / 1-1,5-2,5 mm	AISI 304/316 / 1-1,5-2,5 mm
Manikin	Full Automatic Air Filling & Discharging	Full Automatic Air Filling & Discharging	Full Automatic Air Filling & Discharging	Full Automatic Air Filling & Discharging
Total Fan / Flow	3 x 3kw (3 x 10.000m³/h)	4 x 3kw (4 x 10.000m³/h)	6 x 3kw (6 x 10.000m³/h)	8 x 3kw (8 x 10.000m³/h)
Compressed Air	6 Bar	6 Bar	6 Bar	6 Bar
Circulation Pump	304/316 SS 3 kw	304/316 SS 4 kw	304/316 SS 5,5 kw	304/316 SS 7,5 kw
Water Pool Volume	Around 2000 lt.	Around 2750 lt.	Around 4750 lt.	Around 6000 lt.
Weight	2750 kg	3500 kg	5500 kg	6500 kg
Certificate	CE	CE	CE	CE

The above values are not stable and can be changed on Project basis. Yukarıdaki değerler sabit değildir ve Proje bazında değişebilir.

Spray And Chemical Application Cabinets With Conveyor

Sprey Cabinets with Conveyor allows to apply chemical application to robots dressed up with jeans while they are moving on the conveyor and is a system that makes easy and increase the workflow and daily capacity.

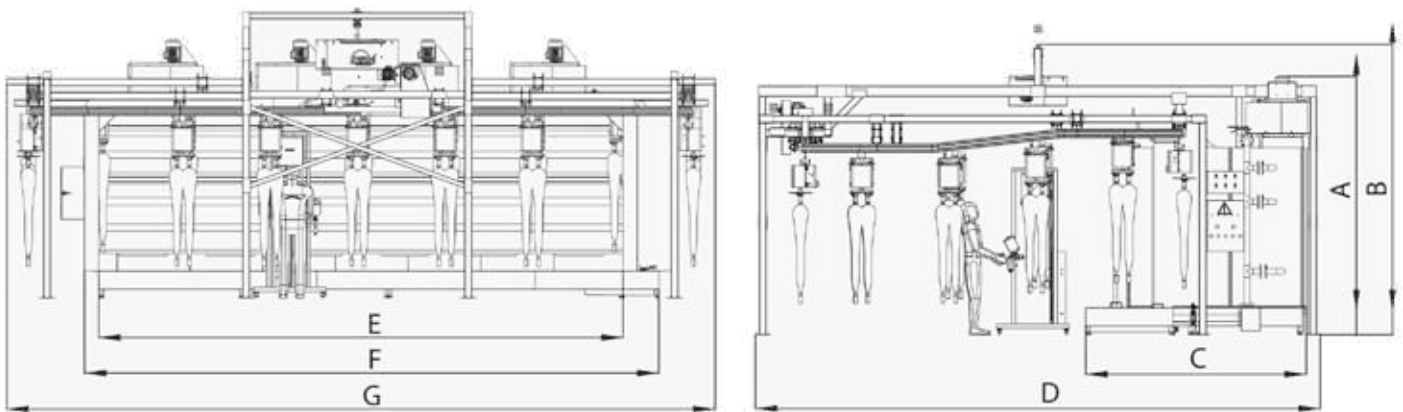
The cabinet system using in this system is designed in accordance with the customer demands as Eco-Friendly Professional or Semi Professional Cabinet. In case of choosing.

The Semi Professional, The Conveyor System is made from Webb Type Conveyor and in case of choosing Eco-Friendly Cardanic Type, (Cardan Shaft) Conveyor is being chosen.

There are two different models in this system according to the system capacity requirements.



Spray And
Chemical
Application
Cabinets



TYPE OF CABINET	A	B	C	D	E	F	G	TOTAL LAYOUT
WSCN-C16R	3700	4100	3000	4850	4800	5500	8000	8000 x 4850 x 4100
WSCN-C24R	3700	4100	3000	7250	7200	7900	10500	10500 x 7250 x 4100
WSCN-C16R-DC	3700	4100	3000	4850	4800	5500	9000	9000 x 4850 x 4100
WSCN-C24R-DC	3700	4100	3000	7250	7200	7900	11500	11500 x 7250 x 4100

SPECIFICATIONS	WSCN-C16R	WSCN-C24R	WSCN-C16R-DC	WSCN-C24R-DC
MODEL	WSCN-C16R	WSCN-C24R	WSCN-C16R-DC	WSCN-C24R-DC
No. Of Manikin	16	24	16	24
Drying Chamber	No	No	Yes	Yes
Suction Fan Motor of Drying Chamber	No	No	1 x 1,5 kw (1 x 5.000m ³ /h)	1 x 1,5 kw (1 x 5.000m ³ /h)
Blower Fan Motor of Drying Chamber	No	No	1 x 2,2 kw (1 x 7.500m ³ /h)	1 x 2,2 kw (1 x 7.500m ³ /h)
Material	AISI 316 & 304 / 1 - 1,5 - 2,5 mm	AISI 316 & 304 / 1 - 1,5 - 2,5 mm	AISI 316 & 304 / 1 - 1,5 - 2,5 mm	AISI 316 & 304 / 1 - 1,5 - 2,5 mm
Manikin	Full Automatic Air Filling & Discharging	Full Automatic Air Filling & Discharging	Full Automatic Air Filling & Discharging	Full Automatic Air Filling & Discharging
Total Fan / Flow	2 x 3kw (2 x 10.000m ³ /h)	4 x 3kw (4 x 10.000m ³ /h)	2 x 3kw (2 x 10.000m ³ /h)	4 x 3kw (4 x 10.000m ³ /h)
Compressed Air	6 Bar	6 Bar	6 Bar	6 Bar
Circulation Pump	304/316 SS 3 kw	304/316 SS 5,5 kw	304/316 SS 3 kw	304/316 SS 5,5 kw
Water Pool Volume	Around 3100 lt.	Around 5400 lt.	Around 3100 lt.	Around 5400 lt.
Weight	4000 kg	5500 kg	4750 kg	6250 kg
Certificate	CE	CE	CE	CE

The above values are not stable and can be changed on Project basis. Yukarıdaki değerler sabit değildir ve Proje bazında değişebilir.

You can also watch the videos on: www.metodmakina.com or www.youtube.com/metodmakina.

Robotic Spraying System / Hawk-Eye

In conventional spraying systems, daily capacities and all of related consumptions for chemical, energy, water etc. vary in every laundry since the chemical amount to be applied, application time and similar factors are depending on operator.

Applying more chemical causes both chemical consumption and time loss as well as re-clamation.

Automatic Spraying Robot which was developed by Metod Makine is able to remove all probable human-related disadvantages in spraying process.

Thanks to this Robotic Spraying System which is expected to avoid the increasing labor costs at the same time, more output can be taken by using less chemical in less processing time even with high consistency.

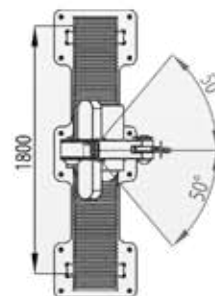
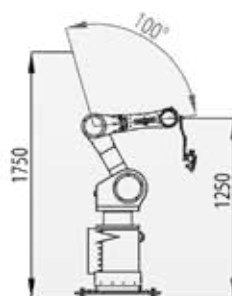
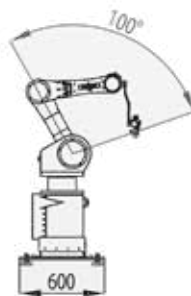
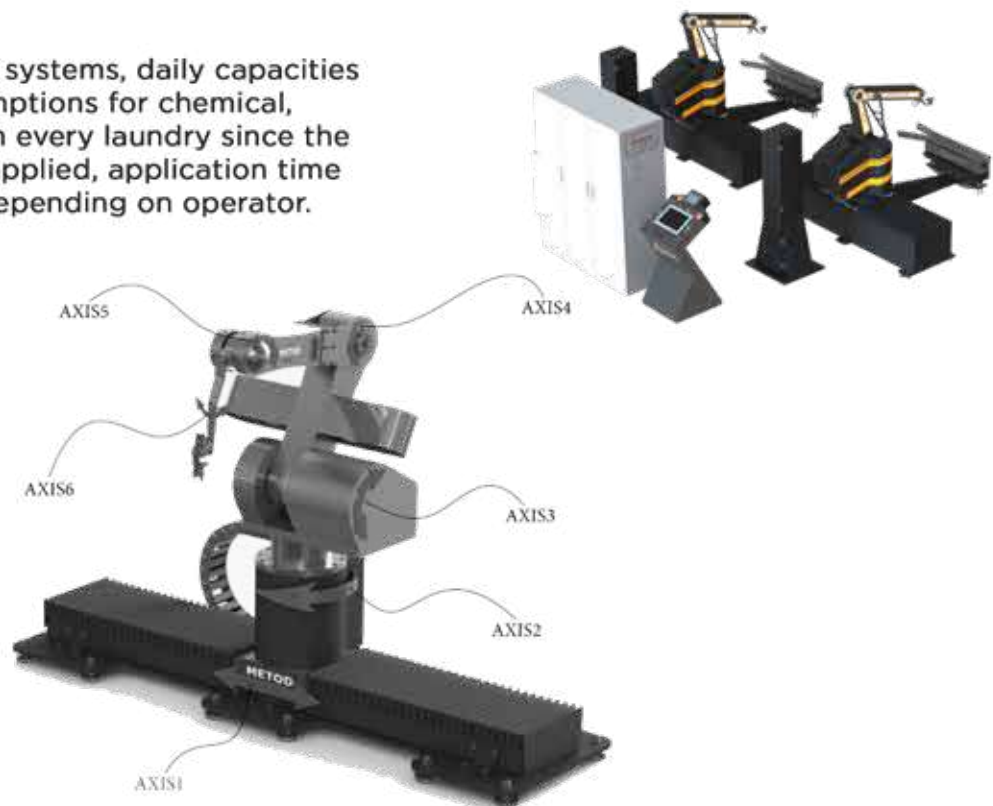
Since, spraying process to be done by Hawk-Eye instead of operator, the risk of exposing to noxious chemicals is decreasing.



Spray And
Chemical
Application
Cabinets

Robotic Spraying System Hawk-Eye

In conventional spraying systems, daily capacities and all of related consumptions for chemical, energy, water etc. vary in every laundry since the chemical amount to be applied, application time and similar factors are depending on operator.



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Destroy & Grinding
Machines

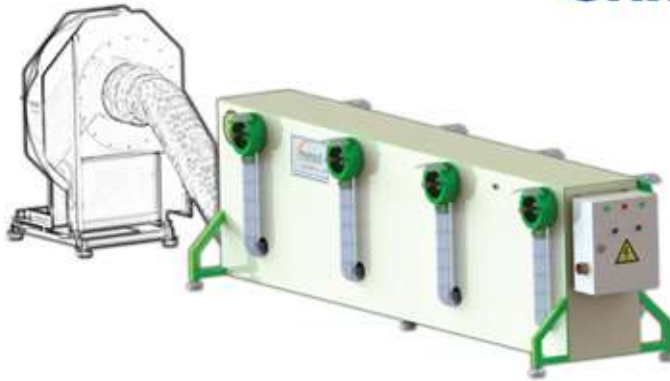
Single Head Destroy Machine

Destroy Machine has been designed by Metod Makina. This machine is used to fray some parts out of the denim jeans. It runs automatically with motor system after giving start by pedal. Some technical details are as below;

Dimensions	: 1200 x 860 x 1410 mm(LxWxH)
Weight	: Around 350 kg
System Requirements	: 380V AC 50 Hz. / 6-8 Bar
Air and Electric Consumptions	: 1 lt/pcs – 2,61 kw/h (max)
PLC	: Yes (for sensitive adjustment)
Working Principle	: With pedal or from Control Panel
Air Filling	: With Button
Processing Time	: 9 seconds
Plate Size	: 300mm (can be divided in 2-3 pcs)

Destroy & Grinding Machines

Grinding Machine



Grinding Machine has been desinged by Metod Makina. This machine is used to grind some parts of the denim jeans. It runs automatically after giving the start by button. Thanks to the strong suction, any waste materials go to the working place. Some technical details are as below;

Dimensions	: 1200 x 860 x 1410 mm(LxWxH)
Weight	: Around 350 kg
System Requirements	: 380V AC 50 Hz. / 6-8 Bar
Air and Electric Consumptions	: 1 lt/pcs – 2,61 kw/h (max)
PLC	: Yes (for sensitive adjustment)
Working Principle	: With pedal or from Control Panel
Air Filling	: With Button
Processing Time	: 9 seconds
Plate Size	: 300mm (can be divied in 2-3 pcs)

Convertible Type Scraping Machine (Horizontal & Vertical)

Produced by Metod Machine. It gives you a chance to use this machine in two forms as vertical and horizontal when needed.

It also takes just two minutes to change from vertical to horizontal. There is a plc and air filling system which is controlled by two buttons on the robot.

There are two more buttons for left and right turning also. This system is automatic and can be used for scraping or brushing.



The Benefits of the Robot;

- Automatic air filling to avoid bursting rubber
- Automatic air discharging end of scraping
- The legs of robot are automatically turned left and right by the PLC
- The support piston is automatically up and down
- Possibility to set size between two legs
- It is easy to change rubber when it is needed
- System Requirements: 380V 50 Hz / 6 bar air
- Pressure inside the Rubber Tube : 150 – 200 mbar
- Air & Electricity Consumption : Around 40 lt. air per pant — 200 watt/h

Full Automated Scraping Machine (Horizontal)

This system which is run automatically has been produced by Metod Makine. There is a PLC and air filling system which is controlled by two buttons on the robot.

This system is automatic and can be used for scraping or brushing. The advantages of this robot;



The Benefits of the Robot;

- Automatic air filling to avoid bursting of the rubber tubes,
- Automatic air discharging end of scraping,
- The legs of robot are automatically turned left and right by the PLC,
- The support piston is automatically up and down,
- Possibility to stop and make scraping in desired angle,
- Possibility to set size between two legs,
- It is easy to change rubber when it is needed.
- System Requirements: 380 V 50 Hz / 6 bar air
- Pressure inside the Rubber Tube: 150 - 200 mbar
- Air & Electricity Consumption: Around 40-50 lt. air per pant - 200 watt/h
- Model numarasi: A-SCR

Simple Type Scraping Machine



This system which is semi-automatically has been produced by Metod Machine and can be used for scraping or brushing. The technical details are as below;

The Benefits of the Robot;

- Automatic air filling to avoid bursting of the rubber tubes,
- Automatic air discharging end of scraping,
- The legs of robot are manually turned left and right after unlock the legs by 0/1 button,
- The support piston goes up and down by 0/1 button,
- Possibility to set size between two legs,
- It is easy to change rubber when it is needed.
- System Requirements: 220V 50Hz / 6 bar air
- Pressure inside the Rubber Tube: 150 - 200 mbar
- Air & Electricity Consumption: Around 40-50 lt. air per pant - 20 watt/h
- Model numarası: S-SCR



Multi Scraping Robot (Horizontal Or Vertical)

Technical Specifications;

- Automatic air filling by 0/1 button
- Automatic air discharging by 0/1 button
- Manual turning - Locking system before turning by 0/1 button
- Support Table goes up & down by 0/1 button
- Dimensions: 6500 x 2250 x 1100 mm (LxWxH)

Technical Specifications;

- Automatic air filling by button,
- Automatic air discharging by button,
- Manual turning,
- Locking System before turning by 0/1 button,
- Support Table goes up & down by 0/1 button.
- Dimensions: 6500 x 2250 x 1100mm (LxWxH)
- Model number: MSC-H / MSC-V / MSC-C



Multi Scraping Robot (Horizontal Or Vertical)

Produced by Metod Makina. Air Filling & Discharging are controlled by the button on the machine. This system is automatic and can be used for scraping or brushing.

The advantages of this robot;

- To give the effects thanks to its mold system, without requirement of any experience in very short operation time.
- Easy to change the molds.
- Automatic air filling to avoid bursting rubber.
- Automatic air discharging end of scraping.
- It is easy to change the rubber when it is needed.

Technical Specifications:

Origin	: Made in Turkey
Brand	: METOD
Capacity	: 300 pcs/24 hours
Working Pressure	: 6 bar
Pressure inside the Rubber Tube	: 150 - 200 mbar
Electrical & Air Consumption	: 0,02 kw/saat & 0,7 klt./h (40-50 lt.per pant)
Model Number	: M-SCR / M-SCR-T



Jacket Manikin

Electric Consumption: 15 watt/h
Number of Pedals: 1 or 2 pcs (according to the requirements)
Air Filling and Discharging: Automatic
Air Filling Time: 5 seconds
Working Pressure: 6 Bar
Working Principle: Electric-Pneumatic / 220/24 DC tension

Technical Specifications;

Electric Consumption	: 15 watt/h
Number of Pedals	: 1 or 2 pcs (according to the requirements)
Air Filling and Discharging	: Automatic
Air Filling Time	: 5 seconds
Working Pressure	: 6 Bar
Working Principle	: Electric-Pneumatic / 220/24 DC tension
Rotation	: Manual
Dimensions	: 650 x 650 x 1850 mm (L x W x H)
Weight	: Around 50 kg.
Model number	: MET-JCT

Net Machine

- Dimensions: 2000 x 500 x 2000 mm (L x W x H) - Piston Systems: 1 x (50 x 400 piston) and 1 x (50 x 900 piston for pushing)
- Lubricating conditioner. - Pneumatic system with 6 Bar.
- Requires very few air and it is working with 6 Bar and no electricity requirement.
- There is 6 liters air consumption per jeans
- The main tube was made from stainless steel.
- Approximately weight of this machine is 100 kg.



Technical Specifications;

- Dimensions: 2000 x 500 x 2000 mm (L x W x H)
- Piston Systems: 1 x (50 x 400 piston) and 1 x (50 x 900 piston for pushing)
- Lubricating conditioner.
- Pneumatic system with 6 Bar.
- Requires very few air and it is working with 6 Bar and no electricity requirement.
- There is 6 liters air consumption per jeans.
- The main tube was made from stainless steel.
- Approximately weight of this machine is 100 kg.
- Model Number: MET-NET



arges
LASER SYSTEM

Producing laser cutting and marking machinery we have left 25 years behind. During this time we tried to think as would gardeners feeding themselves on their own produce

Denim Marking Machines

Minimum Energy Consumption - Maximum Power



Combines the power of laser systems with the speed of galvanometric systems. ARGES makes it possible to work with faster, more sensitive and more powerful laser options.

Arges Offers Its Advantage Of High **Manufacturing Capacity Owing To Its Speed** And Ergonomics To Its Customers.

Less energy consumption, enabled owing to efficient systems, assists you in responding to business-related demands expeditiously and lucratively in the competitive markets, which are becoming more and more rougher nowadays. It is possible to observe the cutting, burning, marking, and engraving speeds delivered by high-efficiency CO2 lasers.

Flawless serial productions are ensured through high precision at high speeds. Double perfection of laser beam with adjustable sharpness, designed for more efficient operations, and optional "second guide light" is now available. Second guide light will provide a remarkable saving of time and delivery speed since it enables a manufacturing process without "start-stop" sequence.

MODELS
LG-5D-X5
LG-5D-X7 -
LG-5D-X10

Model	Laser Source	Laser Classification	Laser Power	Laser Wave Length	Laser Frequency	Cooling System	Motor System	Operating Area	Operating Sensitivity	Z Axis Depth	Water Speed	Pulse Speed	Focus Length	Control Software	Weight	Item Dimensions	Electrical Power Requirement	Electrical Power
LG-5D-X5	COHERENT / LUXINAR	Class IV	25 Laser / (1000 Watt Peak Power)	10.6µm	0.1-200 kHz	Closed loop water cooling system	30 mm + Galvo Dynamic Focal Axis + 1 Automatic Elevation Tool	1600 x 1600 mm	1µm	300 mm - 2200 mm	40.000 mm/sec	50.000 mm/sec	Automatic distance - adjustable focus	Arges ARCON software	2450kg	3700 mm x 2950 mm x 3300 mm	380V 50Hz Three phase	9.0 kW
LG-5D-X7	COHERENT / LUXINAR	Class IV	25-110 / (1000 Watt Peak Power)	10.6µm	0.1-200 kHz	Closed loop water cooling system	30 mm + Galvo Dynamic Focal Axis + 1 Automatic Elevation Tool	1600 x 1600 mm	1µm	300 mm - 2200 mm	40.000 mm/sec	50.000 mm/sec	Automatic distance - adjustable focus	Arges ARCON software	2450kg	3700 mm x 2950 mm x 3300 mm	380V 50Hz Three phase	12.0 kW
LG-5D-X10	COHERENT / LUXINAR	Class IV	100S Laser / (1700 Watt Peak Power)	10.6µm	0.1-200 kHz	Closed loop water cooling system	30 mm + Galvo Dynamic Focal Axis + 1 Automatic Elevation Tool	1600 x 1600 mm	1µm	300 mm - 2200 mm	40.000 mm/sec	50.000 mm/sec	Automatic distance - adjustable focus	Arges ARCON software	2450kg	3300 mm x 3800 mm x 2900 mm	380V 50Hz Three phase	15.0 kW



ARM CHEMICALS was established in 2005 by people with knowledge and experience related to each stage of the industry. It meets the quality need of the sector since its establishment with its staff with operational experience. Our company continues to manufacture and sell all the chemicals in its product range with 100% domestic capital in its own facilities, all rights and technologies.

Pre - Treatment

Textiles and fashion products are produced, distributed, sold and used worldwide. Thus, the textile and fashion industry has a major impact on the environment. In the production process of all textile products, usage of chemicals has got great importance. The textile and chemical industry cannot be considered as independent from each other.

Oil Removers



Product	Ionic Character	Description
ARWASH FULL	N	Concentrated wetting and washing agent containing emulsifying properties for products made of animal, vegetable and synthetic fibers. Degreaser.
ARWASH NRO	N	Wetting and washing agent containing emulsifying properties for products made of animal, vegetable and synthetic fibers. Degreaser.
ARWASH SYS	N	Concetrated Degreaser.
ARWASH SYS-1	N	Degreaser compatible with enzymatic desizing function.

Wetting Agents



Product	Ionic Character	Description
ARWET AN 40	A/N	High performance anionic and nonionic wetting agent (Turquoise Compatible)
ARWET PSI	N	Foamless, high performance serial wetting agent in textile finishing processes
LENARM EHC	A	Low foam, bubble-blocking wetting agent

Pre - Treatment

Textiles and fashion products are produced, distributed, sold and used worldwide. Thus, the textile and fashion industry has a major impact on the environment. In the production process of all textile products, usage of chemicals has got great importance. The textile and chemical industry cannot be considered as independent from each other.

Product	Ionic Character	Description
ARBAC ENZ	-	Bactericide developed for enzymes
ARMAPEC PKT	-	Pectinase Enzyme
ARMAPER ATE-C	-	Concentrated antiperoxide enzyme
ARMAPIL AE 5000	-	Concentrated anti-pilling ,acid enzyme
ARMAPIL APE-C	-	Concentrated bio-polishing enzyme (Neutral)
ARMAPIL NE 5000	-	Concentrated anti-pilling neutral enzyme
ARMADES EZ	-	Concentrated desizing enzyme
ARMALAC EY	-	Concentrated laccase enzyme
ARMSTONE SWE	-	Stone Washing Enzyme. The staining of the white parts is minimal. Neutral cellulase formulation for washing and dispersing properties

Combine Scouring Agents Peroxide Stabilizers

Product	Ionic Character	Description
ARWASH SKI	A/N	Combination bleaching agent for hydrogen peroxide bleaching made according to pad-batch and pad-steam method of all kinds of cellulosic fibers and blends.
ARWASH AYP	A/N	Low foaming cleaning agent with strong migration enhancement and dyeing properties used for PES, PES Elaksan, PES mixtures, PA and mixtures painted according to HT method.
ARWASH MB	A/N	It is a combined bleaching agent containing all chemicals except peroxide and caustic used in peroxide bleaching. It allows bleaching within 15 minutes at 100C, 30 minutes at 90C, and 60 minutes at 60C. Makes peroxide as high temperature resistant as possible. It provides whiteness up to 80 bergers. Therefore, it eliminates the use of optical brighteners in most applications. It reduces the consumption of peroxide. It also indirectly prevents product wear due to peroxide.

Pre - Treatment

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Sequestering Agents



Product	Ionic Character	Description
ARMQUEST 2000	A	Chemical with high sequestering power and water softening feature (polymeric)
ARMQUEST 3000	A	Chemical with high sequestering power and water softening feature (phosphonate)

Optical Brighteners

Product	Ionic Character	Description
ARMABRIGHT ADA	A	Highly substantivity, blue nuanced liquid optic brightener for cellulosic fiber
ARMABRIGHT AMA	A	Neutral nuanced optical brightener for cellulosic fiber
ARMABRIGHT EPV	A	Blue nuanced liquid optic brightener for cellulosic fiber
ARMABRIGHT BB	A	Blue nuanced liquid optical brightener
ARMABRIGHT PES	A	Optical Brightener for PES products
ARMABRIGHT PA	A	Optical Brightener for PA products

Reducing Washing Agents

Product	Ionic Character	Description
ARWASH RES	A	Washing agent used for dyeing and printing after washing of and reducing agent of disperse dyed PES products. Reducing agent

Dyeing Auxiliary Chemicals

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Anticreasing Agents



Product	Ionic Character	Description
ARMALIN ACA	A	> 80% oil based concentrated anti-creasing agent (Soya lecithin Based)
ARMALIN ARU	N	Anti-Creasing agent. Multifunctional dyeing auxiliary agent for dyeing synthetic products.
ARMALIN PRU	A/N	Polymeric based anti-creasing agent.

Levelling Agents



Product	Ionic Character	Description
ARLEV PSE	A/N	Low foaming leveling agent with strong migration enhancing feature, used for dyeing PES products in HT method.
ARMALIN REG	A	Special leveling agent used in dyeing according to exhaust methods with reactive dyes.
ARMATEX 7100	D	Retarder leveling agent used in acrylic dyeing processes

Dyeing Auxiliary Chemicals

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Dispersing Agents and Disperse Acids



Product	Ionic Character	Description
ARMAPOL NGR	N	100% polyester anti back staining agent, dispersing agent in solid form. Also used for antistatic and softening properties.
ARMAPOL NGR (PZ)	N	100% polyester anti back staining agent, dispersing agent in granular form. Also used for antistatic and softening properties.
ARMAPOL NGR-S	N	100% polyester anti back staining agent, dispersing agent in granular form with special LYCRA PROTECTION property. Also used for antistatic and softening properties.
ARMAPOL NGR-SB	N	100% polyester anti back staining agent, dispersing agent in granular form strengthened with BIOLAM POLYMER. Also used for antistatic and softening properties.
ARMAWASH DGA	N	Disperse acid

Acidic Buffers, Acid and Alkaline Donors, Green Acid

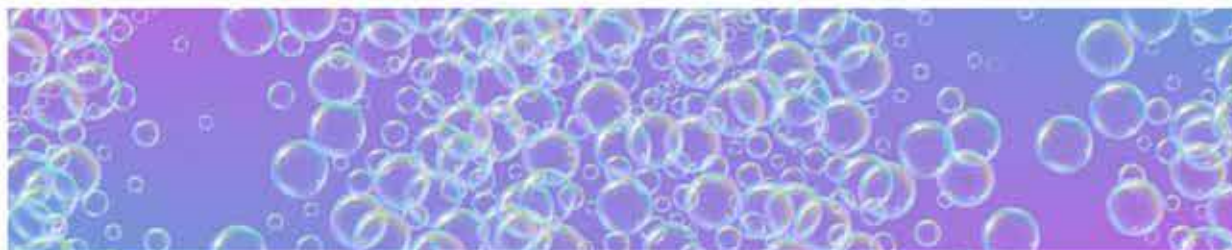


Product	Ionic Character	Description
ARMATEKS 128D	-	Acidic pH buffering and demineralization material
ARSIT NAD	-	GFC, Donor acid used in nylon dyeing process
ARMACID GMC	-	Organic green acid that can be drunk, harmless to the environment, pH regulator, buffering
ARMALINE DND	-	Alkaline donor

Dyeing Auxiliary Chemicals

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Antifoam and Deaerating Agents



Product	Ionic Character	Description
ARMAFO SB	-	Silicone based anti foaming agent
ARMAFO OB	-	Oil based anti foaming agent

Reactive, Polyamide, Indigo, Direct Dye and Nylon Fixing Agents



Product	Ionic Character	Description
ARFIX APH	C	Phenol containing nylon fixator
ARFIX DNF CONC	C	High concentrate fixator without formaldehyde
ARFIX DNF CONC-S	C	> 95% formaldehyde free fixator. It has very good sensitivity in claret red, black, dark blue and darkest dyeings. it does not harden the touch.
ARFIX FVN	C	Phenol-free nylon fixator
ARFIX RKF CONC	C	Poly-DADMAC, > 40% formaldehyde free fixator

Dyeing Auxiliary Chemicals

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Reactive Washing Agents and Washing Agents



Product	Ionic Character	Description
ARWASH YYS	A/N	Wool washing agent
ARWASH DS ECO	A/N	Reactive washing agent
ARWASH PRA	N	Extremely low foaming and highly effective rewetting agent and detergent
ARWASH RAY	N	Liquid washing agent used in the washing processes of products made from mixtures of reactive dyed or printed cotton and cotton with PAN, PES or PA.
ARWASH SDW	A/N	Special washing agent which has inhibiting backstaining also bleaching effects for making goods shades more vivid and blue especially for washing
M WASH 40		Machinery washing agent
PV-PK	A/N	> 45% concentrated reactive washing agent. Polymer washer and leveling agent
ARPOL SCP	A	Water soluble maleic anhydride copolymer

Mordanting Agent (Cationization)



Product	Ionic Character	Description
ARMAFIX MFE	C	Mordanting cationization chemical for antique dyes

After – Treatment

Textiles and fashion products are produced, distributed, sold and used worldwide. Thus, the textile and fashion industry has a major impact on the environment. In the production process of all textile products, usage of chemicals has got great importance. The textile and chemical industry cannot be considered as independent from each other.

Anti-Bacterials, Anti-Fungals



Product	Ionic Character	Description
ARMABAC AGL	A/C	Anti-microbial protective finish resistant to washing, can be applied to textile products made of all kinds of fibers, especially for skin contact products.
ARMABAC AGP	A/C	Anti-microbial protective finish resistant to washing, can be applied to textile products made of all kinds of fibers, especially for skin contact products.
ARBAC ENZ	A/C	Bactericide developed for enzymes

Anti Back Staining Agents

Product	Ionic Character	Description
ARMAPOL NGR	N	100% polyester anti back staining agent, dispersing agent in solid form. Also used for antistatic and softening properties.
ARMAPOL NGR (PZ)	N	100% polyester anti back staining agent, dispersing agent in granular form. Also used for antistatic and softening properties.
ARMAPOL NGR-S	N	100% polyester anti back staining agent, dispersing agent in granular form with special LYCRA PROTECTION property. Also used for antistatic and softening properties.
ARMAPOL NGR-SB	N	100% polyester anti back staining agent, dispersing agent in granular form strengthened with BIOLAM POLYMER. Also used for antistatic and softening properties.
BIOLAM POLYMER	N	"Magic Chemical". Special nonionic anti-back staining, washing, anti-yellowing (in softening process) agent. Also provides ancient effect on fabrics.

Resins and Catalysts

Product	Ionic Character	Description
ARMAZIN FAR	C	Formaldehyde Catalyst Resin
ARMAZIN FFR	N	Formaldehyde-free neutral Catalyst Resin. Crosslinking agent for resin material of textile products made from cellulosic fibers and mixtures

After – Treatment

Textiles and fashion products are produced, distributed, sold and used worldwide. Thus, the textile and fashion industry has a major impact on the environment. In the production process of all textile products, usage of chemicals has got great importance. The textile and chemical industry cannot be considered as independent from each other.

Yarn Lubricants - Blending Oils

Product	Ionic Character	Description
ARLUB SBA	N	Synthetic based Coil Transfer Oil
ARMOIL M50	N	Mineral oil based coil transfer oil
ARMOIL PREMIUM	N	High Performance Special Blending Oil
HY 6040	N	Blending Oil

Softeners and Silicone Softeners

Product	Ionic Character	Description
ARMSOFT SS	C	Softening agent in liquid form
ARSIL GOY	C	Special Hydrophilic Silicone Oil
ARSIL HBY	C	Special Hydrophobic Silicone Oil
ARSIL HDR	C	Hydrophilic Silicone Emulsion
ARSIL M 100	C	Concentrated Hydrophobic Silicone Emulsion
ARSIL MAK CONC	C	> 50% Concentrated macro-silicone
ARSIL MAK-L CONC	C	> 60% Concentrated macro-silicone, elastic
ARSIL MHS	C	> 50% Concentrated Silicone Emulsion, hydrophilic
ARSIL MIK 50	C	> 50% Concentrated Micro-Silicone emulsion
ARSIL MIK CONC	C	> 80% Concentrated Micro-Silicone emulsion
ARSIL MIK-H	C	Silicone emulsion, hydrophilic
ARSIL N-SP	N	Nanionic semi macro hydrophilic silicone emulsion (You can compare it with the best known silicone emulsions in the market by diluting it 50%) Thanks to stability and nanionic nature, it does not stain and yellow.

After – Treatment

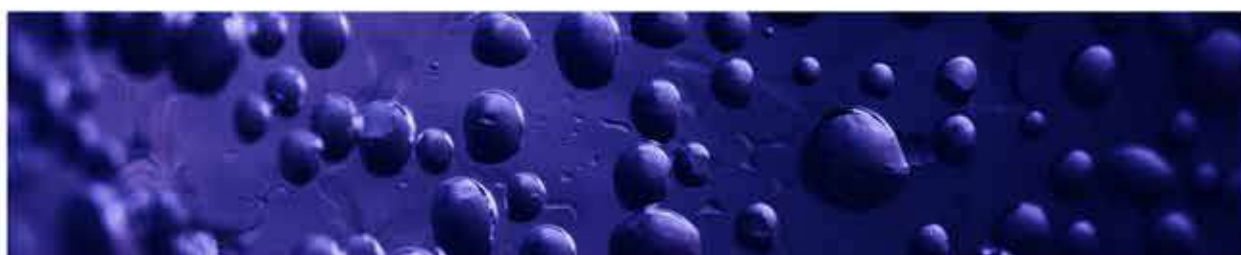
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Sewability Facilitators



Product	Ionic Character	Description
ARLUB GTM	N	Rebeaming Lubricant for Indigo or Sulfur Dyed Yarns for Denim

Handle Modifier, Filling and Stiffening Agents



Product	Ionic Character	Description
AR 5000	A/N	Watery acrylic disperse gives nonwoven fabrics a stiffening feature in foulard and coating
ARMAPOL PVA 100	A/N	Wash-resistant handle modifying, filling and stiffening agent for all fibre types

Antislipping Agents



Product	Ionic Character	Description
AR 1000	-	Concentrated anti-slipping agent for all types of fabrics
ARMAPOL AS 900	-	Anti-slipping agent

After – Treatment

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Flame Retardant



Product	Ionic Character	Description
ARMAQUART FR	A/N	Anti-flammability retarder coating finish

Anti-Static Agents



Product	Ionic Character	Description
ARMASTATIC	N	High performance antistatic agent

Anti-Migration Agents

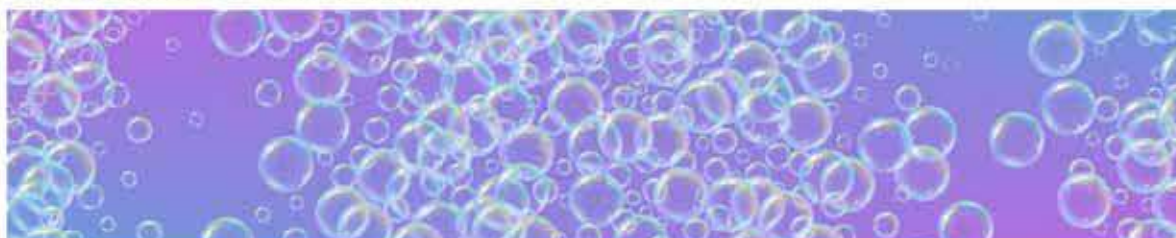


Product	Ionic Character	Description
ARLEV PSE	A/N	Low foaming leveling agent with strong preventing migration enhancing feature, used for dyeing PES products in HT method.
ARWASH AYP	A/N	Low foaming cleaning agent with strong migration preventing enhancement and dyeing properties used for PES, PES Elakson, PES mixtures, PA and mixtures painted according to HT method.

After – Treatment

Textiles and fashion products are produced, distributed, sold and used worldwide. Thus, the textile and fashion industry has a major impact on the environment. In the production process of all textile products, usage of chemicals has got great importance. The textile and chemical industry cannot be considered as independent from each other.

Edge Hardeners (Able to Remove With Water)



Product	Ionic Character	Description
ARMOL EHP	A/N	Polymeric edge hardener (Able to clean with water)
ARMOL EHS	A/N	Solvent based edge hardener

Color Deepening Agents



Product	Ionic Character	Description
ARDARK DEP	C	> 50% concentrated silicone-free color darkening agent. Does not provide touch.
ARDARK ERK	C	> 33% silicone color darkening agent. Provides touch

Hydrophilic Makers, Anti-Scrooping Agents and Emulsions



Product	Ionic Character	Description
ARDARK DEP	C	> 50% concentrated silicone-free color darkening agent. Does not provide touch.
ARDARK ERK	C	> 33% silicone color darkening agent. Provides touch

Coating Chemicals

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Fluorocarbons (Water and Solvent Based)



Product	Ionic Character	Description
ARMAQUART F 700	C	Cationic fluorocarbon resin. It has very good washing and dry cleaning resistance. Ecologically optimized fluorocarbon used for water, oil and dirt repellency finishing of fabrics made from cellulosic fibers and their blends with synthetic fibers
ARMAQUART FC6-700	C	C6 cationic fluorocarbon polymer. It has very good washing and dry cleaning resistance. Ecologically optimized fluorocarbon used for water, oil and dirt repellency finishing of fabrics made from cellulosic fibers and their blends with synthetic fibers
ARMAQUART FC8-700	C	C8 cationic fluorocarbon polymer. It has very good washing and dry cleaning resistance. Ecologically optimized fluorocarbon used for water, oil and dirt repellency finishing of fabrics made from cellulosic fibers and their blends with synthetic fibers

Polyurethanes



Product	Ionic Character	Description
ARCOAT PUS	C	Polyurethan. Used with crosslinking additive for waterproofing in coating

Acrylates

Product	Ionic Character	Description
ARMAFIX AK	C	Water-based acrylic ester dispersion for past and foam coatings, with self-crosslinking properties

Coating Chemicals

Textiles and fashion products are produced, distributed, sold and used worldwide. Thus, the textile and fashion industry has a major impact on the environment. In the production process of all textile products, usage of chemicals has got great importance. The textile and chemical industry cannot be considered as independent from each other.

Crosslinking Agents



Product	Ionic Character	Description
ARMAFIX NZK	C	Formaldehydefree self catalyzing cross linked polymer
ARMAFIX NZK-F	C	Formaldehyde includes self catalyzing cross linked polymer

Thickeners



Product	Ionic Character	Description
ARMPRINT H	A	Sodium alginate and synthetic thickener. It is used as a thickener in reactive printing of cotton and viscose fabrics.

Carriers & Leveling Agents



Product	Ionic Character	Description
CR 100 ECO	A/N	Carrier for low temperature dyeing for polyester
CR 500 ECO	A/N	Carrier for low temperature dyeing for cotton

Special (Smart) Products

Textiles and fashion products are produced, distributed, sold and used worldwide. Thus, the textile and fashion industry has a major impact on the environment. In the production process of all textile products, usage of chemicals has got great importance. The textile and chemical industry cannot be considered as independent from each other.

Silicone Oils



Product	Ionic Character	Description
ARSIL GDY	C	Special Hydrophilic Silicone Oil
ARSIL HBY	C	Special Hydrophobic Silicone Oil

Quaternized Silicon Oils (2 Amines - 4 Amines)

Product	Ionic Character	Description
ARSIL PES 100	N	Non-yellowing silicone softener with migration optimization for PES products
ARSIL SI 100	C	4 amine elastomer silky touch hydrophobic oil

Effecting and Washing Agents

Product	Ionic Character	Description
BIOLAM POLYMER	N	"Magic Chemical". Special nonionic anti-back staining, washing, anti-yellowing (in softening process) agent. Also provides ancient effect on fabrics.
ARMAPOL SERIES	N	Thanks to the feature of forming a film on the fabric surface, it can be used in anti-staining, dispersing, antistatic and softening agents.
ARMAQUART LYC	N	It provides high lycra protection especially in denim fabrics. It works with a very good harmony with ARMAPOL NGR dispersing agent.

Enzyme Activators and Yellowing Preventers

Product	Ionic Character	Description
BIOLAM POLYMER	N	"Magic Chemical". Special nonionic anti-back staining, washing, anti-yellowing (in softening process) agent. Also provides ancient effect on fabrics.
ARMAPOL SERIES	N	Thanks to the feature of forming a film on the fabric surface, it can be used in anti-staining, dispersing, antistatic and softening agents.

Special (Smart) Products

Textiles and fashion products are produced, distributed, sold and used worldwide. Thus, the textile and fashion industry has a major impact on the environment. In the production process of all textile products, usage of chemicals has got great importance. The textile and chemical industry cannot be considered as independent from each other.

Sustainable and Environmentally Friendly Chemicals



Product	Ionic Character	Description
ARRED LZR	C	It provides laser effect naturally on denim products. Sustainable chemical that provides sanded and white appearance
ARRED PMK	C	Activator of ARRED PMN
ARRED PMN	C	Sustainable chemical product that ends the use of permanganate for indigo dyed fabrics, saves 99% water and 6 times more time.

Permanganate Alternative, Lower Water and Time Consuming Products



Product	Ionic Character	Description
ARRED LZR	C	It provides laser effect naturally on denim products. Sustainable chemical that provides sanded and white appearance
ARRED PMK	C	Activator of ARRED PMN
ARRED PMN	C	Sustainable chemical product that ends the use of permanganate, saves 99% water and 6 times more time.

Raw Materials and Imported Products

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Raw Materials and Imported Products



Product	Description
ARBENZ BZ	Benzyl benzoate
ARPOL BBE	Butyl benzoate
ARPOL P400-0	PEG 400 Oleate
ARPOL S 100	Peg 4000 Stearate
ARSIT FRM	Formic Acid
ARSUL BLK	Sulphure Black
DADMAC	Diallyl Dimethyl Ammonium Chloride (65% conc.)
DEG	Diethylenglycole
ITDA 6EO	ITDA 6EO

Denim Chemicals

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Anti Back Staining Agents



Product	Ionic Character	Description
ARMAPOL NGR	N	100% polyester anti back staining agent, dispersing agent in solid form. Also used for antistatic and softening properties.
ARMAPOL NGR (PZ)	N	100% polyester anti back staining agent, dispersing agent in granular form. Also used for antistatic and softening properties.
ARMAPOL NGR-S	N	100% polyester anti back staining agent, dispersing agent in granular form with special LYCRA PROTECTION property. Also used for antistatic and softening properties.
ARMAPOL NGR-SB	N	100% polyester anti back staining agent, dispersing agent in granular form strengthened with BIOLAM POLYMER. Also used for antistatic and softening properties.
BIOLAM POLYMER	N	"Magic Chemical". Special nonionic anti-back staining, washing, anti-yellowing (in softening process) agent. Also provides ancient effect on fabrics.

Permanganate Alternative, Lower Water and Time Consuming Products



Product	Ionic Character	Description
ARRED LZR	C	It provides laser effect naturally on denim products. Sustainable chemical that provides sanded and white appearance.
ARRED PMK	C	Activator of ARRED PMN
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ARRED PMK	C	Activator of ARRED PMN
ARRED PMN	C	Sustainable chemical product that ends the use of permanganate for indigo dyed fabrics, saves 99% water and 6 times more time.

Color Deepening Agents



Product	Ionic Character	Description
ARDARK DEP	C	> 50% concentrated silicone-free color darkening agent. Does not provide touch.
ARDARK ERK	C	> 33% silicone color darkening agent. Provides touch

Denim Chemicals

Textiles and fashion products are produced, distributed, sold and used worldwide. Thus, the textile and fashion industry has a major impact on the environment. In the production process of all textile products, usage of chemicals has got great importance. The textile and chemical industry cannot be considered as independent from each other.

Softeners and Silicone Softeners



Product	Ionic Character	Description
ARMSOFT SS	C	Softening agent in liquid form
ARSIL GOY	C	Special Hydrophilic Silicone Oil
ARSIL HBY	C	Special Hydrophobic Silicone Oil
ARSIL HDR	C	Hydrophilic Silicone Emulsion
ARSIL M 100	C	Concentrated Hydrophobic Silicone Emulsion
ARSIL MAK CONC	C	> 50% Concentrated macro-silicone
ARSIL MAK-L CONC	C	> 60% Concentrated macro-silicone, elastic
ARSIL MHS	C	> 50% Concentrated Silicone Emulsion, hydrophilic
ARSIL MIK 50	C	> 50% Concentrated Micro-Silicone emulsion
ARSIL MIK CONC	C	> 80% Concentrated Micro-Silicone emulsion
ARSIL MIK-H	C	Silicone emulsion, hydrophilic
ARSIL N-SP	N	Nanionic semi macro hydrophilic silicone emulsion (You can compare it with the best known silicone emulsions in the market by diluting it 50%) Thanks to stability and nanionic nature, it does not stain and yellow.
ARSOFT KTY-C	C	Multipurpose softener (cationic flake) used in soft attitude finishing of woven and knitted fabrics and ready-made parts made of all kinds of textile fibers
ARSOFT NYP-C	N	Easy-dissolving nonionic flake softener. Provides a good touch, slipperiness and antistaticity
ARMSOFT PY	N	Easy-to-dissolve nonionic sequin softener. Provides a good touch, slipperiness and antistaticity. It is effective against day yellowing, it makes minimum yellowing.

Denim Chemicals

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Reactive Washing Agents and Washing Agents



Product	Ionic Character	Description
ARWASH PRA	N	Extremely low foaming and highly effective rewetting agent and detergent
ARWASH RAY	N	Liquid washing agent used in the washing processes of products made from mixtures of reactive dyed or printed cotton and cotton with PAN, PES or PA.
ARWASH SDW	A/N	Special washing agent which has inhibiting backstaining also bleaching effects for making goods shades more vivid and blue especially for washing
M WASH 40		Machinery washing agent
ARWASH MB	A/N	It is a combined bleaching agent containing all chemicals except peroxide and caustic used in peroxide bleaching. In addition to saving energy by enabling bleaching at low temperatures. It is also to speed up bleaching at known temperatures.

Resins and Catalysts



Product	Ionic Character	Description
ARMAZIN FAR	C	Formaldehyde Catalyst Resin
ARMAZIN FFR	N	Formaldehyde-free neutral Catalyst Resin. Crosslinking agent for resin material of textile products made from cellulosic fibers and mixtures

Denim Chemicals

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Acrylates



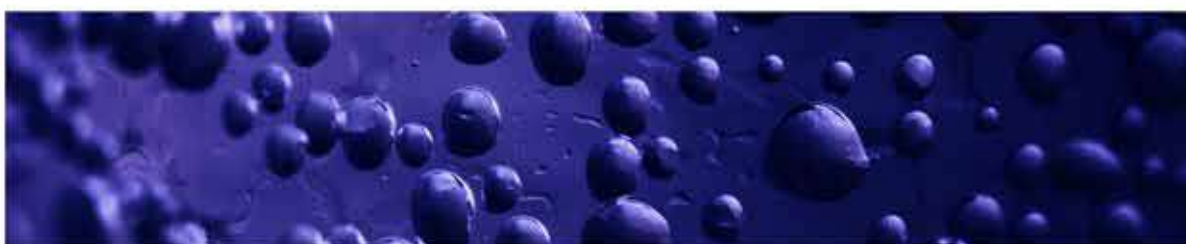
Product	Ionic Character	Description
ARMAFIX AK	C	Water-based acrylic ester dispersion for past and foam coatings, with self-crosslinking properties

Handle Modifier, Filling and Stiffening Agents



Product	Ionic Character	Description
AR 5000	A/N	Watery acrylic disperse gives nonwoven fabrics a stiffening feature in foulard and coating
ARMAPOL PVA 100	A/N	Wash-resistant handle modifying, filling and stiffening agent for all fibre types

Polyurethanes



Product	Ionic Character	Description
ARCOAT PUS	C	Polyurethan, Used with crosslinking additive for waterproofing in coating

Denim Chemicals

Textiles and fashion products are produced, distributed, sold and used worldwide. Thus, the textile and fashion industry has a major impact on the environment. In the production process of all textile products, usage of chemicals has got great importance. The textile and chemical industry cannot be considered as independent from each other.

Optical Brighteners



Product	Ionic Character	Description
ARMABRIGHT ADA	A	Highly substantivity, blue nuanced liquid optic brightener for cellulosic fiber
ARMABRIGHT AMA	A	Neutral nuanced optical brightener for cellulosic fiber
ARMABRIGHT EPV	A	Blue nuanced liquid optic brightener for cellulosic fiber
ARMABRIGHT BB	A	Blue nuanced liquid optical brightener
ARMABRIGHT PES	A	Optical Brightener for PES products
ARMABRIGHT PA	A	Optical Brightener for PA products

Enzymes

Product	Ionic Character	Description
ARBAC ENZ	N	Bactericide developed for enzymes
ARMAPEC PKT	N	Pectinase Enzyme
ARMAPER ATE-C	N	Concentrated antiperoxide enzyme
ARMAPIL AE 5000	N	Concentrated antipilling acid enzyme
ARMAPIL APE-C	N	Concentrated bio-polishing enzyme (Neutral)
ARMAPIL NE 5000	N	Concentrated anti-pilling neutral enzyme
ARMADES EZ	N	Concentrated desizing enzyme
ARMALAC EY	N	Concentrated laccase enzyme
ARMSTONE SWE	N	Stone Washing Enzyme. The staining of the white parts is minimal. Neutral cellulase formulation for washing and dispersing properties



Eliar Elektronik San. A.Ş. was founded in Istanbul, Turkey in 1984. It has strengthened Turkish industry and economy with many devices, systems and software for sectors such as textile finishing, glass, insulation, ceramics and chemistry, and has made important contributions to automation of industrial sectors with its R&D studies since its establishment.

ADW

AUTOMATIC DYESTUFF WEIGHING AND DISPENSING SYSTEM



Production By Considering The **Requirements Of The Next Generation.**

We know you want to speed up your dyeing process while achieving the highest quality with repeatability and maximum efficiency.

- ✓ Speed up your process and increase your total dyeing capacity.
- ✓ Ensure repeatable quality with precise dyestuff weighing, dissolving and dispensing technology.
- ✓ Ultimately to bring highest efficiency for your investment with least space, no queing in dyestuff preparation and stockless working using JIT (Just in Time) methodology.

A First In The World ADW **With Eliar Engineering And R&D**

100%
SENSIVITY

100%
SPEED

100%
REPETABLE
QUALITY



RDD

AUTOMATIC BULK DYESTUFF WEIGHING AND DISPENSING SYSTEM



The Fastest And The Most Accurate **Automation For Your Main Colors.**

We know that weighing, dissolving and transferring high amounts of powder dyestuffs (especially in primary colors) are very critical for your textile dyehouse.

RDD; thanks to its innovative "Continuous Weighing, Dissolving and Dispensing System" it can dispense the dyestuff uninterruptedly without waiting and dividing into small portions and thus it is the fastest dyestuff automation ever built.

100%
SENSIVITY

100%
SPEED

100%
REPETABLE
QUALITY

RDD carries out weighing and dissolving operations simultaneously while taking the powder dyestuff out from its silo in the flow direction. It ensures accelerated dyestuff preparation with integrating the processes and weighing, dissolving and dispensing the dyestuff at the same time.

By this means maximum transferring speed and capacity is granted. Unlike the conventional systems, you have the freedom to dispense all powder dyestuff stored in its silo in one go without any interruption, as you are not limited to the capacity of your dispensing tank.



LAB 120

AUTOMATIC LAB PIPETTING SYSTEM



High Technology Robotic System

Preparation of the recipe in the laboratory is the first step of the dyeing process.

At this stage, the right colors and chemicals must be combined with high precision. LAB 120 automatic lab dispensing system is specially designed with high technology to match the highest precision requirements for laboratory processes.

100%
SENSIVITY

100%
SPEED

100%
REPETABLE
QUALITY



Different Colours Are Applicable **To Match Your Requirements.**

LAB 120 has varying dyestuff capacity, 40, 80, 120 or even 160 different colours are applicable to match your

It is equipped with Automatic Self Calibration System and thus, after each recipe it calbrates itself to maintain the same precision and repeatability. It performs total 900 dispensing with 12 simultaneous weighing. All risks of impurity and failures are eliminated thanks to individual injectors for each dyestuff bottle.

CDD

POWDER DYE DISSOLVING AND DISTRIBUTION SYSTEM



Smart Learning Zero Risk

It is very difficult to dissolve powder dyestuff homogeneously and dispense the solution right on time with conventional methods.

ELIAR CDD is offering a practical way out to these problems and thanks to its smart learning technology, it automatically analyse the recipe and select the best dissolving parameters (temperature, mixing time, liquor ratio etc.) accordingly.

100%
SENSIVITY

100%
SPEED

100%
REPETABLE
QUALITY



With the advantage of smart learning system, CDD transfers all recipes without any delays even for sequential recipes consisting of different types of powder dyestuff. To achieve this, CDD controls all dissolving parameters and carefully sets the values considering the type and the amount of recipe content.

Once the system learns the recipe and creates its dissolving scenario, the recipe can be repeated and CDD guarantees same result each time.

PATERNOSTER

POWDER DYE WEIGHING AND STORAGE SYSTEM



Practical Storage

Precise Weighing – Compact Design

Cleaning and tidiness of your dyestuff weighing room is as important as the sensitivity in preparations you are achieving.

It has been proven that the order in the dyestuff room is having very significant positive effect in better preparation of the recipe.

100%
SENSIVITY

100%
SPEED

100%
REPETABLE
QUALITY

PATERNOSTER
ELIAR



It is equipped with very durable and stiff structure, inverter controlled and chain drive electric motor, high bearing capacity shelves, integrated and mobile (on a linear rail) scale set and installed with embedded software as well as integration availability with any 3rd party recipe software.

When the dyestuff recipe is created, it automatically directed to Paternoster and TBT. As the system has the information of the location of the dyestuff boxes on the shelves, it vertically rotates and brings the right shelf which is carrying first dyestuff of the recipe and signalisation light indicates the horizontal position of the required dyestuff.

RD96

LIQUID CHEMICAL WEIGHING AND MULTILINE DISPENSING SYSTEM



Repeatable Quality For All Dyeing Batches

Considering the sensitivity of the fabric and yarn dyeing processes, the importance of using right liquid auxiliary chemicals with the right amount and on the right time is crystal clear.

Lots of varieties of chemicals are used, different processes require different timings in feeding the chemicals and it is nothing more than the nature of dyeing process itself.

100%
SENSIVITY

100%
SPEED

100%
REPETABLE
QUALITY

Customised To Match Your Expectations

Regardless of the capacity of your dyehouse or the types of liquid auxiliaries you are using, RD96 is dedicated to be the one and only system to automate your chemical transfers in your processes.



DESIGNED FOR YOUR OPERATION

RD 96 is the multi-line liquid chemical dispensing system and it is designed for your operation and process, it is compatible with various dyeing methods according to your production method.

Capacity: 400 to 1000 L/min / 1000 to 10000 L/min

ROBOTIC CHEMICAL SELECTION AND DISPENSING UNITS

RD96 is a special robot which is handling the chemical selection and machine selection with precision, safety, flexibility and in RD96 and its low cleaning system, the machine can work without any problem. With the advantage of 10 lines for system, there are no liquid residues and liquid waste.



FASTEST WEIGHING FASTEST DISPENSING

RD96 can dispense 1 liter chemical automatically within 10 seconds, you receive accurate speed, RD96 can dispense 100 liters chemicals per day without any delay or mistake.

Capacity: 100 to 1000 L/min / 1000 to 10000 L/min

READY FOR FUTURE

RD 96 is an industry 4.0 ready, full automatic, chemical weighing and dispensing system. It is also integrated to your Babylonian system transfer to Babylonian system for 100% which allows you to work with other machines and adjust data throughout the dyeing process.



STOCK CONTROL AND SILD FILLING SYSTEM

RD96's silo filling system is covered with PTFE tube provides perfect discharge. RD96 is special software and control integrated system, the 100% accurate the way built for filling chemical in the right size with high speed. With the help of level sensor, the system is working without a fully discharge from the chemical silo.

Capacity: 100 to 1000 L/min / 1000 to 10000 L/min

DISTRIBUTION OPTIONS

RD 96 is equipped with its special machine distribution. There are two distribution options with 10 meters and 25 meters. With the additional dispensing unit, RD96 can cover 40 dyeing machines regardless for liquid chemicals. City selection, the dispensing in the right time with right amount in the right machine with its low to time discharge.





The Most Flexible Solution **For Liquid Chemical Automatic Dispensing**

Considering the variety and the consumption amounts of the liquid chemicals in fabric and yarn dyeing, it is extremely difficult to handle liquid chemicals properly with operators. Wastage, misuse and miscalculation is very common and they are having direct negative influence on your production quality and cost.

ELIAR SLD Basic / SLD Capacity is offering you the best experience in liquid chemical handling with its single line chemical selection and distribution features. It is equipped with special mass weighing flowmeter, transferring pump and 3-way dispensing valves installed on SS316L pipeline to ensure the fastest chemical transfer ever achieved in textile industry

ELIAR SLD Basic / SLD Capacity is offering you the best experience in liquid chemical handling with its single line chemical selection and distribution features. It is equipped with special mass weighing flowmeter, transferring pump and 3-way dispensing valves installed on SS316L pipeline to ensure the fastest chemical transfer ever achieved in textile industry.



One System To Cover All Liquid Chemical Requirements Of Your Dyehouse

No matter how large your dyehouse is, ELIAR SLD Basic / SLD Capacity is suitable for any size of factory with its single line chemical dispensing principle. Chemical silos allocations and connections are designed in a customised way for each project and existing chemical issuing rooms can be utilised for automation. SLD Basic / Capacity automates 12 - 24 - 36 - 48 liquid chemicals as per your chemical quantities.

100%
SENSIVITY

100%
SPEED

100%
REPETABLE
QUALITY

SLD^{MR} ELIAR

The Most Flexible Solution **For Liquid Chemical Automatic Dispensing**



Integrating powder chemicals into the automation process eliminates the most labor-intensive task in the plant. Incorrectly weighed chemicals affect the shade negatively. Therefore, amounts must be controlled carefully. Furthermore, weighing and dissolving the powder chemicals into the addition tanks of the dyeing machine causes several problems. Powder chemicals are being used in large quantities, amplifies those problems, especially for darker colors, where it raises the chemical amounts considerably.

MOST ACCURATE AND SAFE SOLUTION FOR HYPOCHLORITE CHEMICAL DISPENSING



No matter how large is your dye house, SLD Mineral is suitable for every capacity and transfers. Dissolved powder chemicals can be dispensed to the 48 different transferring points with the speed of 350 lt/min by SLD Mineral. Thanks to its simultaneous weighing and dispensing process, SLD Mineral does not require any storage bucket or parking area.

100%
SENSIVITY

100%
SPEED

100%
REPETABLE
QUALITY

SLD APRE ELIAR



THE RIGHT SOLUTION FOR ALL LIQUID CHEMICALS

Weighing and dispensing of liquid chemical is the most important thing in finishing processes. Eliar's SLD is capable of handling all the processes for liquid chemical weighing and dispensing.

It is "the right solution" for all your chemicals. Thanks to its modular single-line design, it is easy to expand the SLD system with additional pipes and valves.

100%
SENSIVITY

100%
SPEED

100%
REPETABLE
QUALITY

ONLY ONE SYSTEM CAN COVER ALL THE CHEMICAL REQUIREMENTS OF YOUR DYE HOUSE

No matter what is your process in your finishing mill, SLD is suitable for every condition.

Up to 48 liquid chemicals can be dispensed to up to 50 different transferring points with the speed of 40 liters/min by SLD Apre.

With its special double pump and flowmeter design, singly SLD Apre is able to make 1.800 transfers per day without any delay or misrouting.



 **ELIAR**

RPD

TOZ KİMYASAL TARTIM VE DAĞITIM SİSTEMİ



FASTEST SOLUTION FOR POWDER CHEMICAL DISPENSING

Powder chemicals have been never sent to dyeing process this fast and easy!
Here is the most speedy powder chemicals transfer system to date.

No matter how large is your dyehouse, RPD is suitable for every capacity and transfers. Powder chemicals can be dispensed to the 46 different transferring points with the speed of 50 kg/min by RPD.

Thanks to its simultaneous weighing and dispensing process, RPD does not require any storage bucket or parking area.

100%
SENSIVITY

100%
SPEED

100%
REPETABLE
QUALITY



T710

ELiAR



WE TAKE CARE OF FULL AUTOMATIC CONTROL OF YOUR DYEING MACHINES

- ✓ YOU Save Energy, Water, DyeStuff & Chemicals
- ✓ YOU Work full capacity with a non-breaking continuous process
- ✓ YOU are Safe with Dyeing At the First Time Control

TECHNICAL SPECIFICATIONS

CPU	ARM board, 400MHz
Display	5.7" TFT, 640x480 dpi, 64 K Color
Keyboard	40 Keys, Industrial
Working Voltage	24 V DC (18-36 V)
Power Consumption	25 W typical, 30 W EPC/TBB PLC
Working Temperature	0-50°C
Humidity	% 10-85 (non-condensing)
Isolation	2000 V (digital), 500 V (analog)
Parallel Processing	15
Real-time clock	Yes
I/O Unit	16BPLC
Communication	USB 2.0 10/100 MB Ethernet
Memory	RAM: 256 MB, Flash: 1GB
Protection Rating	IP 54 (front), IP 21 (rear)
EMC Compatibility	EN 61000 - 4 - 2 EN 61000 - 4 - 4 EN 61000 - 4 - 6 EN 61000 - 4 - 11
Program and calibration data downloading	PC + USB
Size	180x250 (mm), 135x219 (mm), 150 (depth)

1 DYEING DRYING AND RINSING PROCESS FUNCTIONS

- Fabric dyeing, drying, rinsing, package dyeing, drying, rinsing functions
- More than 80 built-in process functions for textile
- Easy adding of new functions based on machine and process properties

2 TELESKOP CENTRAL SUPERVISORY AND CONTROL SOFTWARE

- 100 Mbit Ethernet connection
- Starting ready to run processes which are uploaded from Teleskop
- Fully automatic handling of on-line chemical and dyestuff requests to automatic dispensers

3 ARCHIVING, BACKUP AND MAINTENANCE

- Archiving of last 3 months of alarms, temperature, level and cycle time values
- Water consumption reports
- Electric consumption reports (using EPAC)
- Theoretical steam consumption
- USB flash disk usage and backup feature of configuration and processes
- Internet access and software version upgrade

4 USER MANAGEMENT

- Multi user support access rights management
- Password protected log in and log out

5 OPTIMIZATION AND ACCELERATOR FEATURES

- Flexible process programs with the help of formulas as command parameters
- Automatic calculation of command parameters by "batch start parameters"
- 15 parallel commands execution in a single step
- Definition of machine constraints and timer constraints, faster machine installation
- Coupling of 6 machines
- Automatic fabric speed calculation and cycle time calculation, cycle count based process
- Starting of prepared processes which are previously planned and uploaded to the controller

6 PC SOFTWARE UTILITIES

- Configuration Management Utility
- Configuration Backup Utility
- Excel Report Utility
- Machine diagram configuration software
- Version upgrade tool

TEXTILE BATCH CONTROLLER-OPERATOR TERMINAL

T710 Series Innovative Full Automatic Control Devices ; designed as a result of ELiAR's 35 years of experience and engineering know-how, are ready to help you to safely and economically control your textile dyeing machines. T710 Series is produced both with hardware and software by totally ELiAR.

T712

ELIAR



WE TAKE CARE OF FULL AUTOMATIC CONTROL OF YOUR DYEING MACHINES

- ✓ YOU Save Energy, Water, DyeStuff & Chemicals
- ✓ YOU Work full capacity with a non-breaking continuous process
- ✓ YOU are Safe with Dyeing At the First Time Control

TECHNICAL SPECIFICATIONS

CPU	ata board, 405MHz
Display	5.7" TFT, 640x480 dpi, 64 K Color
Keyboard	40 Keys, Integrated
Working Voltage	24 V DC (18-34 V)
Power Consumption	25 W Option, 30 W EPAC/TBB PLC
Working Temperature	0-50°C
Humidity	% 10-85 (non-condensing)
Isolation	2000 V (Appl), 500 V (panel)
Parallel Processing	15
Real-time clock	Yes
I/O Unit	TB8PLC
Communication	USB 2.0 10/100 MB Ethernet
Memory	RAM: 256 MB, Flash Disk: 1GB
Protection Rating	IP 64 (front), IP 21 (rear)
EMC Compatibility	EN 61000 - 4 - 2 EN 61000 - 4 - 4 EN 61000 - 4 - 6 EN 61000 - 4 - 11
Program and calibration data downloading	PC + USB
Size	180x250 (mm), 135x210 (mm), 150 (depth)

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- Starting ready to run processes which are uploaded from Teleskop
- Fully automatic handling of on-line chemical and dyestuff requests to automatic dispensers

3 ARCHIVING, BACKUP AND MAINTENANCE

- Archiving of last 3 months of alarms, temperature, level and cycle time values
- Water consumption reports
- Electric consumption reports (using EPAC)
- Theoretical steam consumption
- USB flash disk usage and backup feature of configuration and processes
- Internet access and software version upgrade

4 USER MANAGEMENT

- Multi user support access rights management
- Password protected log in and log out

5 OPTIMIZATION AND ACCELERATOR FEATURES

- Flexible process programs with the help of formulas as command parameters
- Automatic calculation of command parameters by "batch start parameters"
- 15 parallel commands execution in a single step
- Definition of machine constraints and timer constraints, faster machine installation
- Coupling of 6 machines
- Automatic fabric speed calculation and cycle time calculation, cycle count based process
- Starting of prepared processes which are previously planned and uploaded to the controller

6 PC SOFTWARE UTILITIES

- Configuration Management Utility
- Configuration Backup Utility
- Excel Report Utility
- Machine diagram configuration software
- Version upgrade tool

TEXTILE BATCH CONTROLLER-OPERATOR TERMINAL

T712 Series Innovative Full Automatic Control Devices ; designed as a result of ELIAR's 35 years of experience and engineering know-how, are ready to help you to safely and economically control your textile dyeing machines. T712 Series is produced both with hardware and software by totally ELIAR.

T7700

ELIAR



WE TAKE CARE OF FULL AUTOMATIC CONTROL OF YOUR DYEING MACHINES

- ✓ YOU Save Energy, Water, DyeStuff & Chemicals
- ✓ YOU Work full capacity with a non-breaking continuous process
- ✓ YOU are Safe with Dyeing At the First Time Control

TECHNICAL SPECIFICATIONS

CPU	old board - 400MHz
Display	5.7" TFT, 640x480 dpi, 44 K Color
Keyboard	40 Keys, Industrial
Working Voltage	24 V DC (18-36 V)
Power Consumption	25 W Option, 30 W EPAC/788 PLC
Working Temperature	0-50°C
Humidity	% 10-85 (non-condensing)
Isolation	2000 V (input), 500 V (output)
Parallel Processing	15
Real-time clock	Yes
I/O Unit	788PLC
Communication	USB 2.0, 10/100 Mb Ethernet
Memory	RAM: 256 Mb., Flash Disk: 128
Protection Rating	IP 64 (front), IP 21 (rear)
EMC Compatibility	EN 61000 - 4 - 2 EN 61000 - 4 - 4 EN 61000 - 4 - 6 EN 61000 - 4 - 11
Program and calibration data downloading	PC + USB
Size	180x250 (mm), 135x210 (mm), 150 (depth)

1 DYEING DRYING AND RINSING PROCESS FUNCTIONS

- Fabric dyeing, drying, rinsing, package dyeing, drying, rinsing functions
- More than 80 built-in process functions for textile
- Easy adding of new functions based on machine and process properties

2 TELESKOP CENTRAL SUPERVISORY AND CONTROL SOFTWARE

- 100 Mbit Ethernet connection
- Starting ready to run processes which are uploaded from Teleskop
- Fully automatic handling of on-line chemical and dyestuff requests to automatic dispensers

3 ARCHIVING, BACKUP AND MAINTENANCE

- Archiving of last 3 months of planes, temperature, level and cycle time values
- Water consumption reports
- Electric consumption reports (using EPAC)
- Theoretical steam consumption
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- Internet access and software version upgrade

4 USER MANAGEMENT

- Multi user support access rights management
- Password protected log in and log out

5 OPTIMIZATION AND ACCELERATOR FEATURES

- Flexible process programs with the help of formulas as command parameters
- Automatic calculation of command parameters by "batch start parameters"
- 15 parallel commands execution in a single step
- Definition of machine constants and timer constants, faster machine installation
- Coupling of 6 machines
- Automatic fabric speed calculation and cycle time calculation, cycle count based process
- Starting of prepared processes which are previously planned and uploaded to the controller

6 PC SOFTWARE UTILITIES

- Configuration Management Utility
- Configuration Backup Utility
- Excel Report Utility
- Machine diagram configuration software
- Version upgrade tool

TEXTILE BATCH CONTROLLER-OPERATOR TERMINAL

T710 Series Innovative Full Automatic Control Devices ; designed as a result of ELIAR's 35 years of experience and engineering know-how, are ready to help you to safely and economically control your textile dyeing machines. T710 Series is produced both with hardware and software by totally ELIAR.

T7701_{ex}

ELIAR



WE TAKE CARE OF FULL AUTOMATIC CONTROL OF YOUR DYEING MACHINES

- ✓
- 🔧 YOU Save Energy, Water, DyeStuff & Chemicals
- 🔄 YOU Work full capacity with a non-breaking continuous process
- 🛡️ YOU are Safe with Dyeing At the First Time Control

TECHNICAL SPECIFICATIONS

CPU	Intel Atom B580
Display	10.4" TFT, 900x600px, 64K, Color, Touchscreen
Keyboard	43 Keys, Industrial
Working Voltage	24 V DC (18-36 V)
Power Consumption	25 W (Idle), 30 W (EN)
Working Temperature	0-50°C
Humidity	% 10-85 (non-condensing)
Isolation	2000 V (Dry), 500 V (soak)
Operating System	Linux
Power Fail Protection	Li-ion Battery, Automatic Shutdown
I/O Unit	ENI Series
Communication Ports	USB 2.0 & 3.0, 10/100 Mbps Ethernet
Memory	RAM: 2 GB, Flash Memory: 32 GB
Protection Rating	IP 64 (Front), IP 21 (Back)
EMC Compatibility	EN 61000 - 4 - 2 EN 61000 - 4 - 4 EN 61000 - 4 - 6 EN 6100 - 4 - 11
I/O Configuration	Maximum 10 sockets
Dimensions	276x349 (mm), 175x247 (mm), 120 (depth)

1 DYEING DRYING AND RINSING PROCESS FUNCTIONS

- Fabric dyeing, drying, rinsing, package dyeing, drying, rinsing functions
- More than 80 built-in process functions for textile
- Easy adding of new functions based on machine and process properties

2 TELESKOP CENTRAL SUPERVISORY AND CONTROL SOFTWARE

- 100 Mbit Ethernet connection
- Starting ready to run processes which are uploaded from Teleskop
- Fully automatic handling of on-line chemical and dyestuff requests to automatic dispensers

3 ARCHIVING, BACKUP AND MAINTENANCE

- Archiving of last 3 months of alarms, temperature, level and cycle time values
- Water consumption reports
- Electric consumption reports (using EPAC)
- Theoretical steam consumption
- USB flash disk usage and backup feature of configuration and processes
- Internet access and software version upgrade

4 USER MANAGEMENT

- Multi user support access rights management
- Password protected log in and log out

5 OPTIMIZATION AND ACCELERATOR FEATURES

- Flexible process programs with the help of formulas as command parameters
- Automatic calculation of command parameters by "batch start parameters"
- 15 parallel commands execution in a single step
- Definition of machine constraints and timer constraints, faster machine installation
- Coupling of 6 machines
- Automatic fabric speed calculation and cycle time calculations, cycle count based process
- Starting of prepared processes which are previously planned and uploaded to the controller

6 PC SOFTWARE UTILITIES

- Configuration Management Utility
- Configuration Backup Utility
- Excel Report Utility
- Machine diagram configuration software
- Version upgrade tool

T7701_{ex}-NOW WITH HTML5 AND CODESYS PROGRAMMING SUPPORT

T7701_{ex} Controllers with their 10,4 inches touchscreen option; brings world-class high-end technology to your dyehouse, integrates your machines to all your dyehouse with ELIAR Teleskop Software, helps you control and supervise your machines wirelessly via your management office, your PC/tablet, or even your mobile phones.

EPAC 200E ELIAR



PROGRAMMABLE AUTOMATION CONTROLLER

EPAC 200 E is a micro processor based Controller, especially designed and developed for data collection (measuring-monitoring-logging&reporting) and industrial control applications.

Thanks to modular structure of EPAC 200 E, total number of digital and analog inputs-outputs can be increased by adding I/O moduls. Graphical interface is used both for programming and monitoring of the process. EPAC 200 E is used in a wide range of industrial applications.

EPAC 200E Series Innovative Full Automatic Control Devices ; designed as a result of ELIAR's 35 years of experience and engineering know-how, are ready to help you to safely and economically control your textile dyeing machines. EPAC 200E Series is produced both with hardware and software by totally ELIAR.



Technical Features

Analog Input	min 1, max 3 (Pt100) TC [0/4-20 mA] [0-10 V -selectable]
Analog Output	min 1, max 3 (0/4-20 mA)
Digital Input-Counter	min 4, max 12 DI 1, 2, 3 (250 Hz), DI 4 (20 KHz)
Digital Output	min 4, max 12 (250 V AC / 30 V DC, 1A Relay)
Graphical Display	
Memory	2 GB (microSD Card)
Remote Monitoring	Modbus RTU (RS422), Modbus TCP (Ethernet)
Remote Firmware Upgrade	Yes (Ethernet)
Program Loading-Back-up	Yes (Ethernet)
Serial Connection	RS232 or RS422 or RS485
Language	UTF-8 compatible
Humidity	10-85 non-condensing
Operating Temp.	0-50°C
Supply Voltage	24 V DC (18-30)
Power Consumption	3 W
Dimensions	100 x 100 (front), 91 x 91 (rear) Depth: 100 mm

T 200 E

ELiAR

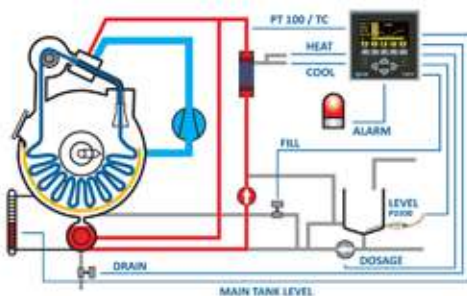


TEXTILE DYEING CONTROLLER

T 200 E is a micro processor based Ramping Controller, especially designed and developed for the automation of textile dyeing machines. Thanks to modular structure of T 200 E, total number of digital and analog inputs-outputs can be increased by adding I/O modules.

Graphical interface is used both for programming and monitoring of the dyeing process. The implementation of T 200 E is not limited to dyeing machines only. It is used in a wide range of industrial applications, where ramping control of temperature is necessary.

T 200 E Series Innovative Full Automatic Control Devices ; designed as a result of ELiAR's 35 years of experience and engineering know-how, are ready to help you to safely and economically control your textile dyeing machines. T 200 E Series is produced both with hardware and software by totally ELiAR.



Technical Features

Analog Input	min 1, max 3 (PT100) 0/4-20 mA 0-10 V -selectable)
Analog Output	min 1, max 3 (0/4-20 mA)
Digital Input	min 4, max 12
Digital Output	min 4, max 12 (250 V AC, 30 V DC, 1A Relay)
Commands	Heat, Cool, Fill, Drain, Dosage, Pump Motor Direction, Overflow Rinse, Warning/Alarm, ...
Programming Capacity	90 Programs x 50 Steps
Archive	2 dyeings (2 x 8 hours)
Password	2 levels (system parameters and programming)
Alarm Archive	Last 10 alarms
Graphical Display	128 x 64, 4 grey tones OLED
PID Control	2 -Independent, Autotune
Back-up Memory	EEPROM on COM200 module
Language	Turkish - English
Humidity	10-85 non-condensing
Operating Temperature	0-50°C
Supply Voltage	24 V DC (18-30)
Power Consumption	3 W
Dimensions	100 x 100 (front), 91 x 91 (rear) Depth: 100 mm

TBB 100 TBB 100-A ELIAR



TEMPERATURE-TIME RAMPING CONTROLLER

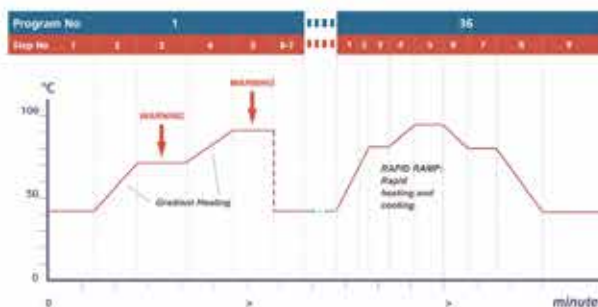
TBB 100 is a μ P-based Ramping Controller, especially designed and developed for the automation of textile dyeing machines.

The implementation of TBB 100 is not limited to dyeing machines only. It is used in a wide range of industrial applications, where ramping control of temperature is necessary.

TBB 100 Series Innovative Full Automatic Control Devices ; designed as a result of ELIAR's 35 years of experience and engineering know-how, are ready to help you to safely and economically control your textile dyeing machines. TBB 100 Series is produced both with hardware and software by totally ELIAR.

- 36 Programs X 20 Steps
- Every STEP has 2 variables: DURATION (minute) & TEMP. (°C)
- 7 digits LED display
- 1 analog input (Pt100), 3 control outputs
- Time duration-proportional temperature control
- Rapid heating and cooling
- PI Control (Bimodal working)
- Password protection

Technical Features	
Analog Input	1 (Pt100)
Analog Output (TBB 100-A)	4-20 mA
Digital Input	---
Digital Output	3 (250 V AC, 30 V DC, 1A Relay) (heat, cool, warning/alarm)
Commands	Heat (rapid, ramping), Cool (rapid, ramping), Warning-Alarm
Programming Capacity	36 Programs x 20 Steps
Password	Yes
Display	7 digits LED
PID Control	PI (bimodal)
Language	---
Humidity	10-85 non-condensing
Operating Temperature	0-50°C
Supply Voltage	220 V AC (+/- 15%)
Power Consumption	1 W
Dimensions	96 x 96 (front), 91 x 91 (rear) Depth: 50 mm





ELIAR TELESKOP

It is used for basic monitoring and management needs. The status of machines controlled by Eliar controllers and processes are monitored online. It connects to the controllers remotely, sends written dyeing programs to machines. Processes that work on machines are archived in database in a reliable way and old archives can be searched on request. Teleskop has a scalable architecture with Dyehouse Management Modules according to your needs.

Reports on performance, consumption, idle times, malfunction, cost are produced on machine, process, operator, online working status etc. Enterprise can produce their own reports on demand using an open and documented database.

Customized dashboards which can be accessed globally on internet. It is designed mainly for top executives to monitor the dyehouse.

It provides to send job orders to dyeing machines as integrated with ERP used in the enterprise. Thus, probability of operator error is reduced. Work load on dyeing machines are monitored.





With Extreme Business Solutions, you can easily find the right solutions for every aspect of your business. We build flexible, extendable, complete industrial solutions that puts the user experience first, and integrates easily with your existing systems.

ERP Solutions

Streamline Your Business Processes With Babylon

Enterprise resource planning (ERP) is a type of management software that integrates day-to-day business processes. Once you've implemented the right ERP system, you'll be able to identify areas that need improvement and make cost-effective decisions.

We build flexible, extendable, complete industrial solutions that puts the user experience first, and integrates easily with your existing systems. Today many organizations worldwide trust Babylon ERP Solutions to help overcome difficulties of market conditions.



Textil Manufacturing Management System

TextTREME is a textile ERP software designed for yarn, woven fabric and knitted fabric production, dying and finishing facilities.



Apparel Manufacturing Management System

AppsTREME is an ERP software for fast fashion, designed to manage your operations from production to delivery and financial procedures.



Sales Management System ERP Solutions

SalesTREME Sales Management System is an ERP software designed to make the most accurate and fast decisions in the most competitive environments.



Critical Path Method (CPM)

For sustainable success, with all the market demands, we have to use our limited time perfectly in this competitive world.



Mobile Solutions

Mobile Business Solutions offers you a dynamic, user friendly system which will make life easier for your employees.



Business Intelligence (BI)

Right decisions at the right time, only by using a system that includes end users, customers and suppliers throughout the whole business process.



VSight UAB is a technology provider company that develops and markets the leading augmented reality remote support and remote assistance software platform, "VSight Remote" for enterprises.



Remote Support And Collaboration Platform With Augmented Reality

VSight Remote is a complete collaboration and knowledge-sharing platform that allows remote field technicians and experts to connect with each other and collaborate on maintenance, repair, operations (MRO) via live video, audio powered by Augmented Reality

Your experts and site workers are able to work together without having to come side by side. In this way, experts can help and guide to anyone who needs technical support via VSight Remote.

- ✓ Diagnostics
- ✓ Maintenance
- ✓ Audit
- ✓ Inspection



Save Time And Reduce Costs

Companies using VSight Remote do not spend time and money on traveling. Instead of traveling, they easily reach and help their team through remote connection. That way, experts can plan their time easily and intelligently to provide assistance or cooperation without losing time.

You can always be with your customers and assist them anytime, anywhere.

Augmented Reality Enabled Platform

VSight Remote platform is equipped with effective AR tools to provide clear communication. In addition, file sharing feature such as a 3D object, PDF, or image sharing allows effective communication. These features enable your experts to do their maintenance operations or other tasks.

Record and archive all of your remote operations.





AGM Special continues its steady and stable march in terms of developing jeans sewing automats according to real needs of the apparel industry since 2003.

AGM Special Automation Arm Machine

Much lower gas consumption, lower electricity consumption, higher efficiency, 12-16 m³ / h gas consumption per hour, 6-8 kW / h electricity consumption per hour, with the same capacity.

JAPON SEIKO TAM YAĞLI YÜKSEK DEVİRLİ 3 İĞNE KOLLU MAKİNESİ
DİKİŞ BOYU 2,5 MM – 5 MM
OYNAR BAŞLI PALET SİSTEMİ (PATENTLİ)
DİREK TAHRİKLİ TAM YAĞLI ŞANZİMAN
OTOMATİK AYAK KALDIRMA
EFKA AB 321 SERVO ELEKTRONİK MOTOR
DİKİŞ HIZI 5000 DEV/DAK
İĞNE SOĞUTUCU
L TİPİ AYARLI VE BURUNLU AYAK TABLA
ZD 1001 İPLİK KESME SİSTEMİ (OPSİYONEL)



**KM-930
Band Machine**



**KM-915
Band Machine**



**KM-902
Band Machine**



**KM-921
Band Machine**



**KM-921
AR Band Machine**



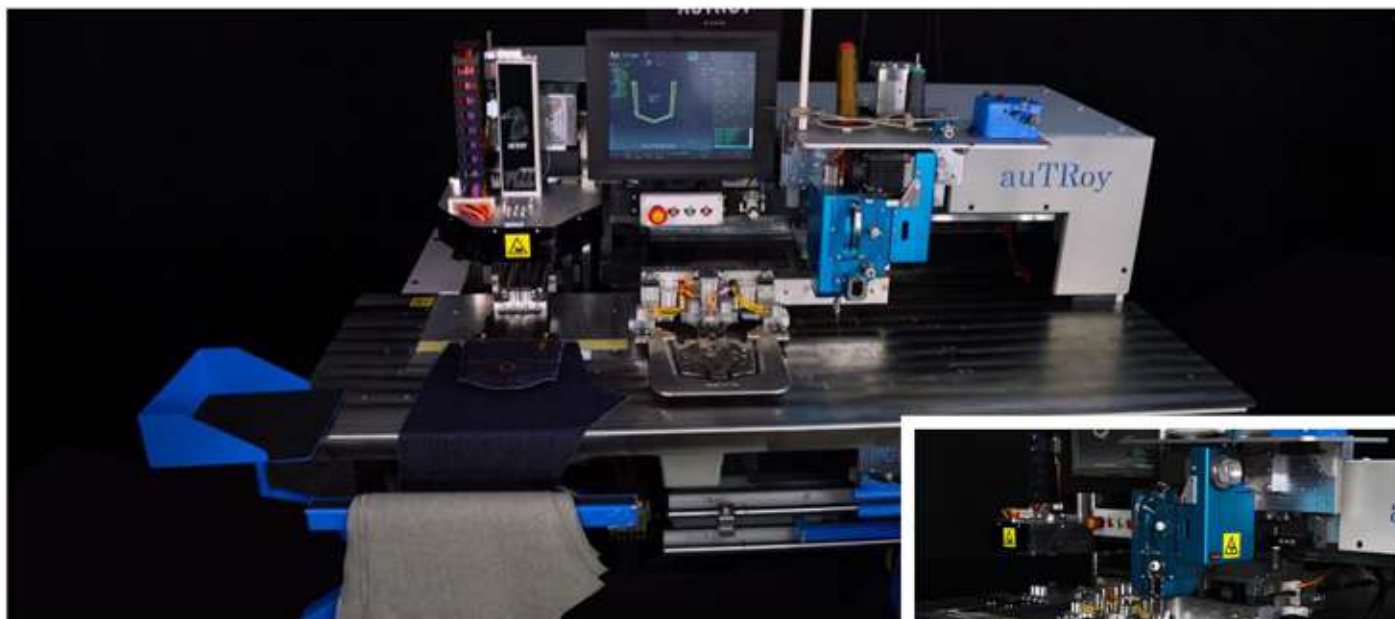
**KM-930
ST Band Machine**





Production equipment to meet the needs of the area. At the same time as we prepare manufacture special designs in line with the ideas and wishes of our customers to address deficiencies and shortcomings in post - production.

Autroy Pocket Setters



Product Specifications

- 1- High Production Capacity Thanks To Servo Controlled Motors Capable Of Reaching 4000 Rpm
 - 2- Automatic Oiling System For Needle Bar, Hook And Needle Foot
 - 3- Linear Transport System.
 - 4- Screwed Shaft Movement Transfer
 - 5- Needle Cooling System.
 - 6- Cleaning System Against Fabric Dust In Hook Section
 - 7- The Ability To Operate The Desired Head With One Button With The Same Program In Double Head Machine
 - 8- The Ability To Keep Unlimited Programs In Memory Thanks To The Pc System Used In The Elektronik Section
 - 9- Low Mold Cost
 - 10- Strong Technical Service Team, Spare Parts Stock Guarantee And Reasonable Price Guarantee For Spare Parts
 - 11- Neat Finishing; Edge Folding Capability From 8 Mm To 35 Mm.
- No Excessive Fabric Inside Of The Pockets. Minimize Problems From Cutting Mistakes
- 12- The Pocket Molds Can Be Easily Exchanged Within The Matter Of 2-3 Minutes
 - 13- Pocket Setter For Workwear And Other Large Pieces Up To 270*270 Mm Sewing Area
 - 14- Pocket Setter Sewing Area Start From 40*40 Mm For Kids Wear, Coin Pocket On Pocket Facing Or Pocket Facing On Pocket Bag
 - 15- Perfect Seam Quality
 - 16- There Is No Visual Differences Of The Inner And Outer Seams Due To Direction Of Sewing.
 - 17- Easy Operation And Short Training Time
 - 18- Touch Screen Pc With Software (Windows Embedded) For The Creation And Modification Of Seam Programs.
 - 19- Screen Control System Allows Easy Adjustment Of Stitch Step Length
 - 20- The Touch Screen Control System Allows The Immediate And Ease Of Correcting Modification Of The Sewing Program, Including The Bar Tack.
 - 21- Maximum Efficiency Due To Automatic Pocket Creasing, Pocket Attaching And Stacking
 - 22- Excellent Pocket Folding Units And Corner Turn Quality At The Seams
 - 23- Ability To Perform Different Sewing Motifs Sequentially In Right And Left Pockets On The Same Pattern
 - 24- Able To Work Any Kind Of Fabrics. Jeans, Shirts, Knits, Towel, Gabardine Or Other Kind Of Fabric Pockets Can Be Sewn. It Is Also Possible To Process Striped And Checked Fabrics As Per Pattern Directly At The Sewing Unit Without Any Problems
 - 25- Single And Double Color Seams, Additional And Decorative Seams For Individual Design
 - 26- Seam Programs Can Be Transferred Via Usb
 - 27- The Ability To Connect To The Machine Remotely Via Wi-Fi
 - 28- The Ability To Attach Cargo Type Pockets Through The Design Of The Machine.
 - 29- Thanks To The Design Of The Machine, The Ability To Attach Pockets To The Panels With The Riser Attached.
 - 30- Thanks To The Design Of The Machine, The Ability To Attach The Pockets Of Bathrobe And Derivative Garment Products.





In an effort to address some of the difficulties and challenges associated with the manufacturing of their main product, shirts, in 1989 the company shifted its focus to developing and constructing machinery to assist in shirt and textile production.

EPA 150 | Spot Sticking Machine

-Unique cylinders of Spot Sticking Machine align and fasten the interlining and the fabric at five different points to prepare it to enter the interlining presser.

-Spot Sticking Machine has adjustable pressing time and pressure.

-Digital thermostat provides precise temperature setting.

-A number of safety precautions protect the operator, including a safety cap

-Spot Sticking Machine has certificate of CE.



Product ID	EPA 150
Dimension	435 x 760 x 740
Weight	35 kg
Electrical	220 V
Power	0,5 kW
Capacity	300 pcs/hr
Compressed Air	2-4 bar
Air Consumption	20 nl/min

EPA 305 | Collar Shaping And Blocking Machine

-Collar Shaping and Blocking Machine's new exclusive pressing system forms shirt and blouse collars flawlessly.

-Automatic mould carrier provides perfect and standardized pressing for collar points.

-Adjustable digital temperature control ensures perfect adaptation to all types of fabrics for excellent ironing quality.

-Adjustable pressing settings ensure perfect results on sensitive fabrics.

-Easy toggle switch for single and dual pressing.

-Separate adjustable pressing time control for single and double pressing.

-Collar Shaping and Blocking Machine has easy and quick mould changing system.

-Optional digital display.

-Optional collar holder system.

-Collar Shaping and Blocking Machine is a PLC (Programmable Logic Control) controlled machine.

-A number of safety precautions protect the operator.

-The machine has a CE certificate.

Product ID	EPA 305
Dimension	950 x 1205 x 1300
Weight	150 kg
Electrical	220 V
Power	1,5 kW
Capacity	300 pcs/hr
Compressed Air	6 bar
Air Consumption	25 nl/min



EPA 400-04 | Collar Trimming And Turning Machine

-Vertical Head Collar Trimming and Turning Machine

-EPA Collar Trimming and Turning Machine has Two optional knives (90 degree / 110 degree)

-Special cylinder structure centers the pressure needle and follow-up mirror

-Gentle follow-up mirror of Collar Trimming and Turning Machine prevents the deformation of the fabric

-Waste fabric on the knives cleaned automatically by air

-Our Collar Trimming and Turning Machine has High-strength, long-lasting, special alloy blades

-A number of safety precautions protect the operator

-EPA 400-04 Collar Trimming and Turning Machine has a CE certificate

Product ID	EPA 400-04
Dimension	560 x 760 x 1220
Weight	40 kg
Electrical	- V
Power	- kW
Capacity	360 pcs/hr
Compressed Air	5-6 bar
Air Consumption	4 nl/min



EPA 400-05 | Collar Trimming And Turning Machine - Horizontal

- Two optional knives (90 degree / 110 degree)
- Horizontal Collar Trimming and Turning Machine special cylinder structure centers the pressure needle and follow-up mirror
- Gentle follow-up mirror of our Horizontal Collar Trimming and Turning Machine prevents the deformation of the fabric
- Waste fabric on the knives cleaned automatically by air
- High-strength, long-lasting, special alloy blades
- A number of safety precautions protect the operator
- Horizontal Collar Trimming and Turning Machine has a CE certificate

Product ID	EPA 400-05
Dimension	560 x 760 x 920
Weight	35 kg
Electrical	- V
Power	- kW
Capacity	360 pcs/hr
Compressed Air	5-6 bar
Air Consumption	4 nl/min



EPA 400-07 | Collar Trimming And Turning Machine Adjustable Angle

-Adjustable blade system (cutting angle can be adjusted from 90 degrees to 180 degrees)

-Our Collar Trimming and Turning Machine has a platform with angle adjustment

-Special cylinder structure centers the pressure needle and follow-up mirror

-Our Collar Trimming and Turning Machine cuts without harming the collar interlining

-Gentle follow-up mirror prevents the deformation of the fabric

-High-strength, long-lasting, special alloy blades

-Vacuum cleaning system collects cut waste fabric automatically

-Machine parameters can be changed easily via the user-friendly touchscreen

-A number of safety precautions protect the operator

-Our Collar Trimming and Turning Machine with Adjustable Angle has a CE certificate

Product ID	EPA 400-07
Dimension	540 x 795 x 1255
Weight	40 kg
Electrical	220 V
Power	0,2 kW
Capacity	340 pcs/hr
Compressed Air	6 bar
Air Consumption	2 nl/min



EPA 400-07 | Collar Trimming And Turning Machine Adjustable Angle

- Provides fast and standard collar cut
- Perfectly adjustable knife system for all kinds of collar curves
- Collar Cutter accelerates process before attaching to the cummerbund
- Provides standard manufacture of shirt collars
- High-strength, long-lasting, special alloy blade
- Collar Cutter has brake system for easy operation
- Energy-saving engine operating system
- Automatic air cleaning system
- Advanced security mechanism
- A number of safety precautions protect the operator
- Collar Cutter has a CE certificate

Product ID	EPA 504
Dimension	725 x 1075 x 1155
Weight	135 kg
Electrical	380 V
Power	0,7 kW
Capacity	360 pcs/hr
Compressed Air	- bar
Air Consumption	- nl/min



EPA 503 | Collar Marker Machine

- Accelerates manufacturing by making collar markings from three points
- Collar Marker Machine provides standard production
- Adjustable mark distance system
- Our Collar Marker Machine has quick and easy use by the operator

- Marked collars collected automatically through collar collection appliance (optional)
- A number of safety precautions protect the operator
- Our Collar Marker Machine has a CE certificate

Product ID	EPA 503
Dimension	550 x 1250 x 1150
Weight	50 kg
Electrical	- V
Power	- kW
Capacity	300 pcs/hr
Compressed Air	6 bar
Air Consumption	2 nl/min



EPA 503 | Collar Marker Machine

- Sleeve Placket Creasing Machine presses sleeve plackets, bindings, and shirt side seams in desired sizes
- Our Sleeve Placket Creasing Machine is capable of pressing triangle and square labels, plus yoke labels
- Adjustable trace needles speed up and standardize production during assembly stage
- Seam allowances can be set as desired
- Sleeve Placket Creasing Machine features an Oil-free operation system
- Easy to use digital display
- Digital screen provides hourly and daily production reports
- A number of safety precautions protect the operator

- Smart- fault notification system of Sleeve Placket Creasing Machine enables easy detection of machinery malfunctions, trackable using the screen
- Laser attachment provides easy stripe tracing, leading to excellent results during pressing of striped fabrics
- Automatic stacking system
- Unique resistances and computerized temperature control system of Sleeve Placket Creasing
- Machine provides precise heat adjustment and energy savings
- PLC (Programmable Logic Control) controlled machine
- Sleeve Placket Creasing Machine has a CE certificate

Product ID	EPA 203
Dimension	950 x 1030 x 1450
Weight	265 kg
Electrical	380 V
Power	7 kW
Capacity	360 pcs/hr
Compressed Air	6 bar
Air Consumption	47 nl/min



EPA 203M | Cuff Shaping Machine

-Cuff Shaping Machine perfectly irons shirt cuffs and prepares the cuffs to be worn on the shirt sleeves

-Adapts to all cuff styles and reduces the mould cost to zero by using a universal mould

-High vacuum motor installed inside the Cuff Shaping Machine

-Oil-free operation system

-Cuff Shaping Machine features an easy to use digital display

-Digital screen provides hourly and daily production repo

-Smart-fault notification system of Cuff Shaping Machine enables easy detection of machinery malfunctions, trackable using the screen

-Automatic stacking system

-Unique resistances and computerized temperature control system provides precise heat adjustment and energy savings

-Optional control unit of Cuff Shaping Machine adjusts the vacuum power for sensitive fabrics

-PLC (Programmable Logic Control) controlled machine

-A number of safety precautions protect the operator

-Cuff Shaping Machine has a CE certificate

Product ID	EPA 203M
Dimension	950 x 1030 x 1450
Weight	270 kg
Electrical	380 V
Power	7 kW
Capacity	360 pcs/hr
Compressed Air	6 bar
Air Consumption	45 nl/min



EPA 405 | Cuff Shaping And Blocking Machine

-Cuff Shaping and Blocking Machine perfectly irons shirt cuffs and prepares the cuffs to be worn on the shirt sleeves

-Ensures perfect and standard ironing of the cuffs with its automatic mould drive

-340mm x 140mm ironing hopper

-Adjustable digital temperature control of Cuff Shaping and Blocking Machine ensures perfect adaptation to all types of fabrics for excellent ironing quality

-Adjustable pressing settings ensure perfect results on sensitive fabrics

-Easy toggle switch for single and dual pressing

-Cuff Shaping and Blocking Machine features separate adjustable pressing time control for single and double pressing

-Easy and fast mould changing system

-PLC (Programmable Logic Control) controlled machine

-A number of safety precautions protect the operator

-Cuff Shaping and Blocking Machine has a CE certificate

Product ID	EPA 405
Dimension	950 x 1205 x 1300
Weight	160 kg
Electrical	220 V
Power	1,5 kW
Capacity	300 pcs/hr
Compressed Air	6 bar
Air Consumption	27 nl/min



EPA 208 | Shirt Front Placket Cutting Machine

-Shirt Front Placket Cutting Machine is designed with double knife and double laser systems to ensure the lines of the shirt front flies and the squares of the woven fabrics are cut evenly, without errors

-PLC-controlled digital display of Shirt Front Placket Cutting Machine allows machine to operate with a single or double-knife in one pass, according to the content of the fabric and sizes of the pieces

-Adjustable blade speed allows adjustment of the speed according to the content of the fabric

-Automatic collection unit

-Shirt Front Placket Cutting Machine features superior electronic pneumatic motion system

-Cutting range from 10mm to 200mm
-Takes the placket of two sides in one cut

-High vacuum motor installed inside the Shirt Front Placket Cutting Machine

-PLC (Programmable Logic Control) controlled machine

-A number of safety precautions protect the operator

-Shirt Front Placket Cutting Machine has a CE certificate

Product ID	EPA 405
Dimension	950 x 1205 x 1300
Weight	160 kg
Electrical	220 V
Power	1,5 kW
Capacity	300 pcs/hr
Compressed Air	6 bar
Air Consumption	27 nl/min



EPA 205 | Shirt Front Placket Pressing And Creasing Machine

-Perfect shirt front pressing, from 15mm to 75mm

-Shirt Front Placket Pressing and Creasing Machine can make short sleeve foldings

-Able to produce separated front strips for shirts or blouses

-Capable of fusing the interlining during the folding process

-Specially designed ironing table and pressing system of Shirt Front Placket Pressing and Creasing Machine provide high-quality ironing and interlining

-Laser-guided ironing processes of striped fabrics

-Oil-free operation system

-High vacuum motor is installed inside the Shirt Front Placket Pressing and Creasing Machine

-Easy to use digital display

-Digital screen provides hourly and daily production reports

-Smart-fault notification system of Shirt Front Placket Pressing and Creasing Machine enables easy detection of machinery malfunctions, trackable using the screen

-Automatic stacking system

-Unique resistors and computerized temperature control system of Shirt Front Placket Pressing and Creasing Machine provides precise heat adjustment and energy savings

-Interlining interlacing device reduces the interlacing to a minimum level (optional)

-PLC (Programmable Logic Control) controlled machine

-A number of safety precautions protect the operator

-Shirt Front Placket Pressing and Creasing Machine has a CE certificate

Product ID	EPA 205
Dimension	1400 x 1400 x 1550
Weight	560 kg
Electrical	380 V
Power	7 kW
Capacity	360 pcs/hr
Compressed Air	6 bar
Air Consumption	120 nl/min



EPA 202 | Pocket Creasing Machine

-Pocket Creasing Machine presses shirt pockets and prepares them for sewing

-Two pressing surfaces

-Pocket Creasing Machine is used for folding and pressing of short plackets of shirts and combed cotton garment

-Wide range of mould options provide fast and standard production

-Pocket Creasing Machine has an easy and fast mould changing system

-Pressing heads work independently from one another

-Heat settings and pressing times can be set independently

-Adjustable digital temperature control of Pocket Creasing Machine ensures perfect adaptation to all types of fabrics for excellent ironing quality

-PLC (Programmable Logic Control) controlled machine

-A number of safety precautions protect the operator

-Pocket Creasing Machine has certificate of CE

Product ID	EPA 202
Dimension	1015 x 1025 x 1390
Weight	200 kg
Electrical	220 V
Power	5 kW
Capacity	400 pcs/hr
Compressed Air	6 bar
Air Consumption	145 nl/min



EPA 207 | Steam Pocket Creasing Machine

- Presses shirt pockets and prepares them for sewing
- Presses patches of the shirts, combed cotton garments and jackets and prepares them for sewing (optional)
- Wide range of mould options provide fast and standard production
- Easy and fast mould changing system
- Can be connected to an external steam system
- Integrated steam boiler (optional)
- Adjustable digital temperature control ensures perfect adaptation to all types of fabrics for excellent ironing quality
- Adjustable steam and ironing time
- PLC (Programmable Logic Control) controlled machine
- A number of safety precautions protect the operator
- The machine has a CE certificate

Product ID	EPA 207
Dimension	800 x 1105 x 1110
Weight	140 kg
Electrical	220 V
Power	1 kW
Capacity	200 pcs/hr
Compressed Air	6 bar
Air Consumption	35 nl/min



EPA 252 | Thread Sucking Cleaning Machine

-Thread Sucking Cleaning Machine removes unbound yarns and dust remaining on product with high vacuum power

-Special double-stage filtering system

-Custom-designed safety storage of Thread Sucking Cleaning Machine prevents deformation of cleaned products

-Special interior design prevents accessories on the product from being damaged

-Silent operation

-Energy saving photocell system (optional)

-Precise vacuum adjustment with vacuum control (optional)

-A number of safety precautions protect the operator

-Thread Sucking Cleaning Machine has a CE certificate

Product ID	EPA 252
Dimension	660 x 1750 x 1500
Weight	220 kg
Electrical	380 V
Power	4 kW
Capacity	300 pcs/hr
Compressed Air	- bar
Air Consumption	- nl/min



EPA ACE901 | Shirt Finisher

-EPA ACE901 is a Shirt Body Press Machine with high-quality and fast open body ironing

-Press for all shirt sizes excluding arms.

-A Custom manufactured high-capacity vacuum motor integrated into the Shirt Finisher.

-Specially designed interior and exterior dummies enable perfect pressing for front-rear body, yoke, sides and armholes

-Easy to use Digital screen provides hourly and daily production reports

-Smart-fault notification system enables easy detection of machinery malfunctions, trackable using the screen

-Unique resistors and computerized temperature control system of Shirt Finisher provides precise heat adjustment and energy savings

-A number of safety precautions taken at Shirt Finisher Machine protects the operator, including a 24V control panel and safety barriers

-EPA ACE901 shirt finisher has electric ironing plates with homogeneous distribution feature.

-Independently adjustable heat settings of interior and exterior dummies provides perfect ironing quality

-Homogeneous nozzle water gun increases ironing quality

-Perfect control with rear camera view with large FullHD screen

-A Conveyor system can be manufactured to the requested size which provides distribution to stacking, buttoning, and folding tables.

Product ID	EPA ACE901
Dimension	1920 x 2910 x 2400
Weight	1400 kg
Electrical	380 V
Power	20 kW
Capacity	300 pcs/hr
Compressed Air	6-7 bar
Air Consumption	250 nl/min



EPA 152-00 | Collar Press And Finishing Machine

- Collar Press and Finishing Machine presses 2/3 of the collar neck sections before shirts are folded – with or without the cardboards – ensuring that the shirts remain standard and uniform in the packages
- Adjustable and precise heat control with the digital thermostat
- Collar Press and Finishing Machine has adjustable pressing time
- Long-lasting special production pressing Teflon and felt

- Hanger system of Collar Press and Finishing Machine prevents crease formation on the shirts after open pressing
- Durable Teflon-coated head (optional)
- A number of safety precautions protect the operator
- Collar Press and Finishing Machine has a CE certificate

Product ID	EPA 152-00
Dimension	550 x 1000 x 1750
Weight	65 kg
Electrical	220 V
Power	0,6 kW
Capacity	160 pcs/hr
Compressed Air	6 bar
Air Consumption	35 nl/min



EPA 152-01 I Collar Press And Finishing Machine - Double Head

-Presses 2/3 of the collar neck sections before shirts are folded – with or without the cardboards – ensuring that the shirts remain standard and uniform in the packages

-Double Head Collar Press and Finishing Machine Two independent pressing heads

-Individually adjustable digital thermostat for precise temperature control

-Collar Press and Finishing Machine features individually adjustable pressing time

-Long-lasting special production pressing Teflon and felt

-Hanger system which prevents crease formation on the shirts after open pressing

-Durable Teflon-coated head (optional)

-A number of safety precautions protect the operator

-Collar Press and Finishing Machine has a CE certificate

Product ID	EPA 152-01
Dimension	550 x 1000 x 1750
Weight	95 kg
Electrical	220 V
Power	1,2 kW
Capacity	230 pcs/hr
Compressed Air	6 bar
Air Consumption	70 nl/min



EPA 152-02 | Collar Press And Finishing Machine With Shock Cooling

-Presses 2/3 of the collar neck sections before shirts are folded – with or without the cardboards – ensuring that the shirts remain standard and uniform in the packages

-Shocks the collars using a cold shocking head to reach a perfect look after hot pressing

-Hot pressing head and shock cooling head can work independently

-Collar Press and Finishing Machine with Shock Cooling features Individually adjustable digital thermostat for precise temperature and cooling control

-Eco-friendly coolant

-Individually adjustable pressing time
-Long-lasting special production pressing Teflon and felt

-Collar Press and Finishing Machine with Shock Cooling has a Hanger system which prevents

-Crease formation on the shirts after open pressing

-Durable Teflon-coated head (optional)
-A number of safety precautions protect the operator

-Collar Press and Finishing Machine with Shock Cooling has a CE certificate

Product ID	EPA 152-02
Dimension	550 x 1000 x 1750
Weight	105 kg
Electrical	220 V
Power	1,2 kW
Capacity	150 pcs/hr
Compressed Air	6 bar
Air Consumption	70 nl/min



EPA K07 | Shirt Folding Table

-Automatic Shirt Folding Table ensures fast, efficient, and standard folding of every shirt size, using pneumatic folding system

-High efficiency

-Automatic Shirt Folding Table has universal mould system reduces moulding costs; no need to change moulds

-Adjustable table height

-Palette system automatically places shirts and provides perfect folding

-Head system automatically adjusts according to the shirt neck size

-Automatic Shirt Folding Table forms the shirt neck with adjustable special heaters of the heads during folding

-Adjustable and precise heat control with digital thermostat

-A number of safety precautions protect the operator

-Automatic Shirt Folding Table has a CE certificate

Product ID	EPA K07
Dimension	950 x 1600 x 1320
Weight	80 kg
Electrical	220 V
Power	0,1 kW
Capacity	50 pcs/hr
Compressed Air	6 bar
Air Consumption	44 nl/min



EPA K04 | Shirt Folding Table - Manual

-Manual Shirt Folding Table promises fast, efficient, and standard folding of every shirt size, using pneumatic folding system

-Manual Shirt Folding Table folds a variety of sizes with the help of two different models and six different head sizes

-Forms the shirt neck with adjustable special heaters of the heads during folding process

-Ideal Shirt Folding Table for classic shirts

-Adjustable and precise heat control with digital thermostat

-A number of safety precautions protect the operator

-Manual Shirt Folding Table has a CE certificate

Product ID	EPA K04
Dimension	1015 x 1470 x 1400
Weight	100 kg
Electrical	220 V
Power	1 kW
Capacity	50 pcs/hr
Compressed Air	6 bar
Air Consumption	18 nl/min



EPA K08 | Shirt Folding Table - Semi Automatic

-Shirt folding table ensures fast, efficient, and standard folding of every shirt size, using pneumatic folding system

-High efficiency

-Universal mould system of Shirt folding table reduces moulding costs; no need to change moulds

-Adjustable table height

-Palette system of Shirt folding table automatically places shirts and provides perfect folding

-Head system automatically adjusts according to the shirt neck size

-Forms the shirt neck with adjustable special heaters of the heads during folding

-Shirt folding table has adjustable and precise heat control with digital thermostat

-A number of safety precautions protect the operator

-Shirt folding table has a CE certificate

Product ID	EPA K08
Dimension	950 x 1450 x 1320
Weight	75 kg
Electrical	220 V
Power	0,1 kW
Capacity	50 pcs/hr
Compressed Air	6 bar
Air Consumption	15 nl/min



EPA 306 | Collar Trimming Turning And Blocking Machine

- Collar turning and trimming is assembled on the machine
- Special cylinder structure centers the pressure needle and follow-up mirror
- Gentle follow-up mirror of our Collar Trimming Turning and Blocking Machine prevents the deformation of the fabric
- Waste fabric on the knives cleaned automatically by air
- Our Collar Trimming Turning and Blocking Machine has High-strength, long-lasting, special alloy blades
- New pressing system shapes shirt and blouse collars flawlessly
- Automatic mould carrier provides perfect and standardized pressing for collar points
- Adjustable digital temperature control ensures perfect adaptation to all
- A number of safety precautions protect the operator
- Adjustable pressing settings of Collar Trimming Turning and Blocking Machine ensure perfect results on sensitive fabrics
- Easy toggle switch for single and dual pressing
- Separate adjustable pressing time control for single and double pressing
- Collar Trimming Turning and Blocking Machine has Easy and quick mould changing system
- Optional digital display
- Optional collar holder system
- PLC (Programmable Logic Control) controlled machine
- Collar Trimming Turning and Blocking Machine has a CE certificate

Product ID	EPA 306
Dimension	980 x 1290 x 1150
Weight	160 kg
Electrical	220 V
Power	1,5 kW
Capacity	200 pcs/hr
Compressed Air	6 bar
Air Consumption	52 nl/min



EPA 710 | Collar And Cuff Press Machine

-Collar and Cuff Press Machine gives the desired form to collar and cuffs before the open pressing

-Provides standardization and increases quality

-Adapts to all kinds of shirt collars and cuffs with its universal mould

-Homogenous pressure is applied during the pressing and no deformation occurs on the fabric due to the special mould design

-Vacuum motor installed inside machine with high vacuum producing capacity

-Collar and Cuff Press Machine has a vacuum cooling system

-Collar and Cuff Press Machine provides maximum energy-saving with the help of adjustable temperature time, pressing control, special resistors, insulating materials, and digital thermostat

-Precise temperature settings

-PLC (Programmable Logic Control) controlled machine

-A number of safety precautions protect the operator

-Collar and Cuff Press Machine has a CE certificate

Product ID	EPA 710
Dimension	950 x 1350 x 1520
Weight	310 kg
Electrical	380 V
Power	5 kW
Capacity	160 pcs/hr
Compressed Air	6 bar
Air Consumption	480 nl/min



EPA 720 | Shirt Side Seam Press Machine

-Shirt Side Seam Press Machine provides perfect form and refinement for shirt side seams

-Machine fuses the interlinings inside the shirt side seams

-Easily adapts to shirt sides seams with specially designed upper and lower moulds; does not slip

-High-vacuum lower mould

-Pressing heat and timing of Shirt Side Seam Press Machine can be adjusted according to the materials that will be pressed

-Vacuum motor installed inside the machine with high vacuum producing capacity

-Shirt Side Seam Press Machine has Vacuumed cooling system

-Easy to use digital display

-Digital screen of Shirt Side Seam Press Machine provides hourly and daily production reports

-Smart-fault notification system enables easy detection of machinery malfunctions, trackable using the screen

-Unique resistors and computerized temperature control system provides precise heat adjustment and energy savings

-PLC (Programmable Logic Control) controlled machine

-A number of safety precautions protect the operator

-Specially designed resistors and upper pressing head allow equal heat diffusion on pressing area

-Shirt Side Seam Press Machine has a CE certificate

Product ID	EPA 720
Dimension	70x1200x1900
Weight	400 kg
Electrical	380 V
Power	8 kW
Capacity	140 pcs/hr
Compressed Air	6-7 bar
Air Consumption	230 nl/min





marvela

Marvela is a high-capacity, high-tech, automated ironing system that easily removes the wrinkles and foreign materials (like yarn and pests) and viruses that can be found on garments during and after the transportation process.



High Performance Tunnel Ironing Machine

Marvela is a high-capacity, high-tech, automated ironing system that easily removes the wrinkles and foreign materials (like yarn and pests) and viruses that can be found on garments during and after the transportation process.

The Marvela Tunnel Ironing System Consists Of
4 Separate Units And Additional Units May Be Added If Required.

1- VIRUS DISINFECTION UNIT



2- STEAM UNIT



3- AIR UNIT



4- FINISHING & SHOCK COOLING





EPA Technology, industry-leading experts in hot machines and vending machines, has offered top-quality seamless technology (bonding) systems under the brand name "Toria" to customers around the world.

Toria 8001 – Seam Sealing Machine

The Toria 8001 is used for welding tape on all kinds of fabrics with the help of hot air in order to seal seams or to increase the strength of ultrasonic stitches.



- Excellent results on medical fabrics.
- Has an adjustable multi-program touch screen.
- Produces fast and standard work by automatic distance and cutting range feature.
- The speed of the lower and upper differentials can be adjusted auto and independently.
- Automatically adjustable pressure unit on the screen.
- Adjustable pressure setting offers easy adaptation to a variety of fabric types.

Power	4.100 watt
Optional Wheel Widths	8-40 mm
Speed	23 m/min.
Pressure	> 0.7 bar
Top Wheel Width	25.4 mm
Bottom Wheel Width	31 mm
Size	1200 x 710 x 1771 mm
Weight	150 kg
Maximum Temperature	750 °C
Nozzle Tip	22 mm

Toria 740 - Bonding Press Machine



Electrical	340 V
Power	7 Kw
Capacity	250 pcs/hr
Air Consumption	430 nl/min
Compressed Air	6-7 bar
Size	1450 x 1580 x 1370 mm
Weight	900 kg

The Toria 740 is used for welding bonding tapes on product.

Toria 740 - Bonding Press Machine Technical Specs

- Used for welding bonding tapes on product.
- High capacity double ironing table
- Pressing heat and timing can be adjusted according to the materials type to be pressed
- High-vacuum lower mould
- Vacuum motor installed inside bonding press with high vacuum producing capacity
- Vacuumed cooling system
- Specially designed resistors and upper pressing head allow the equal heat diffusion on pressing area
- Easy to use digital display
- Digital screen of Bonding Press provides hourly and daily production reports
- Smart-fault notification system enables easy detection of machinery malfunctions, trackable using the screen
- Unique resistors and computerized temperature control system of Bonding Press provides precise heat adjustment and energy savings
- A number of safety precautions protect the operator
- PLC (Programmable Logic Control) controlled machine
- Bonding Machine has a CE certificate

Toria 721 - Double Bonding Press Machine



Electrical	380 V
Power	5 Kw
Capacity	150 pcs/hr
Air Consumption	96 nl/min
Compressed Air	6-7 bar
Size	700 x 1200 x 1900 mm
Weight	900 kg

The Toria 721 is used for welding bonding tapes on product.

Toria 721 - Double Bonding Press Machine Technical Specs

- Used for welding bonding tapes on product.
- Thanks to its specially designed upper and lower molds, it adapts perfectly to all fabric types and adheres the product on the product perfectly.
- Specially-designed upper and lower moulds of Sleeve Placket Press prevents product from slipping during the pressing process.
- High efficiency obtained at very low pressures with air bag ironing system, generating no deformation on the fabric.
- Pressing heat and timing can be adjusted according to material.
- Toria 721 Bonding Press has High-vacuum lower mould.
- Vacuum motor installed inside bonding machine with high vacuum producing capacity.
- Vacuumed cooling system.
- Specially-designed resistors and upper pressing head allow equal heat diffusion on pressing area.
- Easy to use digital display.
- Digital screen provides hourly and daily production reports.
- Smart-fault notification system of Bonding Press enables easy detection of machinery malfunctions, trackable using the screen.
- Unique resistors and computerized temperature control system provides precise heat adjustment and energy savings.
- A number of safety precautions protect the operator.
- PLC (Programmable Logic Control) controlled machine.
- Machine has a CE certificate.