



MESHWELD

WIRE MESH WELDING MACHINE



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MW-CS105 CS BASE UNIT

MW-CS105 WIRE MESH WELDING MACHINE 4-12mm

CE Accreditation	: TCS	Certificate No	: C-18-007-006-04-00	HS CODE	: 8515.80.90.90.00
Trademark Office	: Turkish Patent	Trademark Registration No	: 2017 7187-47		



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1. MW-CS105 Wire Mesh Welding Machine 4-12mm

1.MW-CS BASE Wire Mesh Base Machine and Units

1.1. Line Wire Forward Drive Trolley	1 Pc.
1.2. Pusher Crank Mechanism Right and Left	1 Set
1.3. Machine Main Chassis	1 Pc.
1.4. Cross Wire Feeding System	1 Pc.
1.5. Mesh Throwing System (Roller System)	1 Pc.
1.6. Automation Control Panel	1 Pc.
1.7. Crank System Servo Motors	2 Pcs.
1.8. Cross Wire System Servo Motor	1 Pc.
1.9. Cross Wire Feeding Magnets	7 Pcs.

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2.*****_** O* Welding Machine Options

* The amount varies according to the machine option

2.1. Welding Transformer 120kVA HE	*
2.2. Welding Driver Unit 280A 400V AC	*
2.3. Welding Cylinder	*
2.4. Single Welding Press Set	1 Pc.
2.5. 75/100 mm Bridge Copper	*
2.6. 150 mm Bridge Copper	*
2.7. 200/250 mm Bridge Copper	*
2.8. Lower Welding Copper Electrode	*
2.9. Upper Welding Copper Electrode	*
2.10. Lower Copper and Flexible Energy Cable	*
2.11. Transformer Connection Copper Set	*
2.12. Pneumatic Holder Pistons	*
2.13. Pneumatic System ** Welding Set Control	*

* Welding Machine Options

O1 075250-33	Line Wire Spacing	75/100/150/200/250mm
	120kVA Transformer	12 Pcs.
	Copper Connection Sets and Other Parts	33 Pcs.
O2 100250-25	Line Wire Spacing	100/150/200/250mm
	120kVA Transformer	12 Pcs.
	Copper Connection Sets and Other Parts	25 Pcs.
O3 150250-17	Line Wire Spacing	150/200/250mm
	120kVA Transformer	9 Pcs.
	Copper Connection Sets and Other Parts	17 Pcs.
O4 150000-17	Line Wire Spacing	150mm
	120kVA Transformer	9 Pcs.
	Copper Connection Sets and Other Parts	17 Pcs.
O5 200250-13	Line Wire Spacing	200/250mm
	120kVA Transformer	7 Pcs.
	Copper Connection Sets and Other Parts	13 Pcs.

* This table applies to cases where the max. mesh width is 2500 mm.

* Maximum Mesh Width 2400mm / Minimum Mesh Width 1000mm

* Maximum Mesh Length 6000mm / Minimum Mesh Length 2400mm

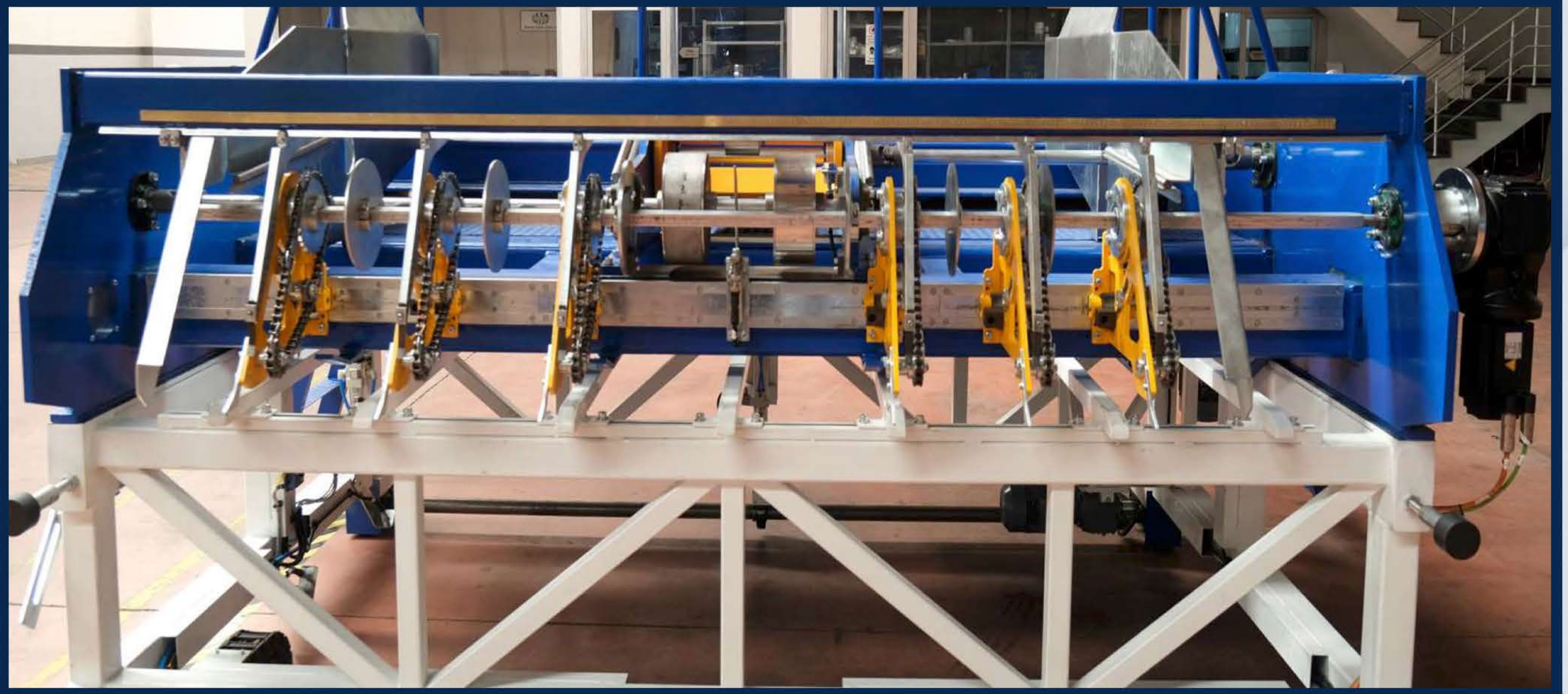


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Cross Wire Unit and Mesh Throwing System



- * Minimum cross wire spacing is 50mm.
- * The 50mm spacing can be increased with +1mm precision.
- * It is controlled by Servo Motor.
- * The model can be adjusted easily with the sliding feature of the chained wire throwing unit.
- * Wires could be separated automatically with magnetic holder system.
- * The throwing unit contains 4 air wheels and 4 coated rollers.
- * Compatible with all options.



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TECHNICAL DATA

Supply Voltage

380-400V AC 3 Phase

Transformer Power

Min. 400kVA - Max. 1000kVA

* It depends on which option you choose

The main power cable for our automation control panel NYY and should be prepared at least 3 m longer.
For this cable cross section, the wiring distance shall be reported to SPD. (Cable cross sections may vary to the distance)

Water Requirement

120 litre / min.

3,5 bar

7...8 pH

Water Temperature

Cooling Water Temperature Min. 16°C

Cooling Water Temperature Max. 25°C

Conductivity < 200 µS/cm

* The water system from Chiller Unit to the machine input should be prepared as 2 inch.

Air Requirement

240 m³/hour

6 bar

Equipments

Air Dryer

Min 5 bar

Air Tank

Max 7 bar

* The air line to the machine input should be prepared as 2 inches.

For Installation

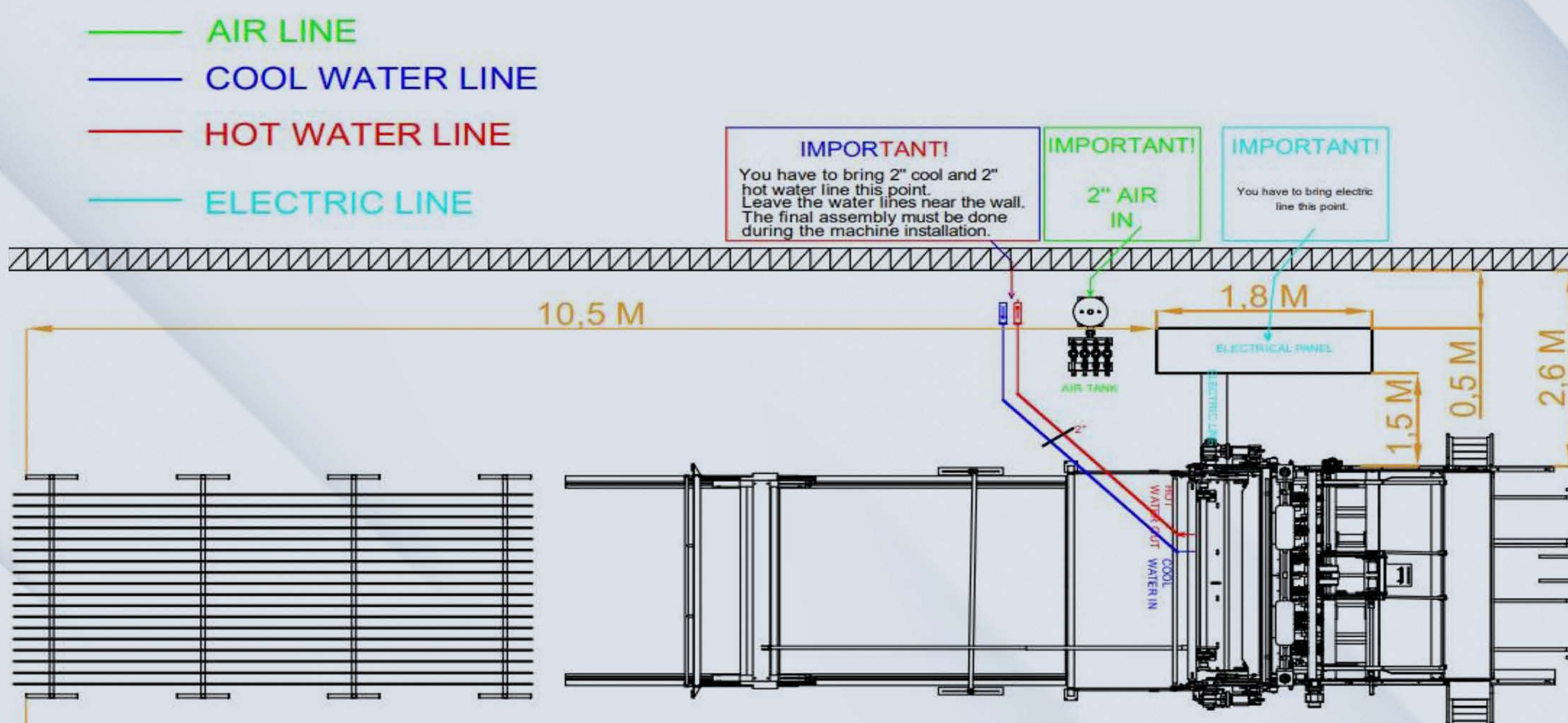
* The water, air and power supply shall be prepared in accordance with the reported direction of the automation control panel as indicated in the installation template to be submitted.

* Crane and hoist should be available at the installation site.

* The floor should be properly leveled with industrial concrete.

* The required personnel shall be present during testing and commissioning of the machine.

* The safety of the machine environment must be ensured in accordance with occupational health and safety guidelines.



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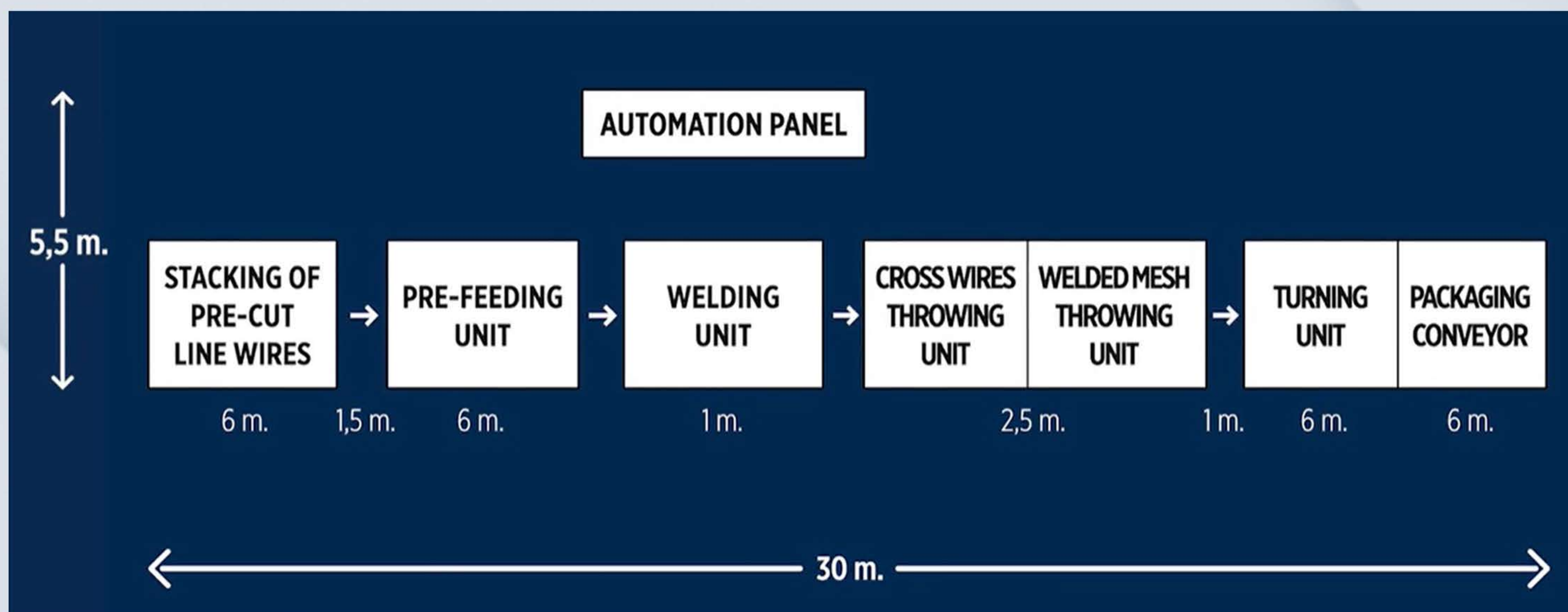
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CS 105 – WIRE MESH WELDING MACHINE PRODUCTION CAPACITY

Productivity %	70	TURKISH STANDARD STEEL MESH SAMPLES								
Wire Mesh Size		Wire Spacing and Diameters				Piece of Wire		Weight	Prod. Speed	8 Hours
Bar Length mm.	Cross Wire mm.	Spacing/mm.		Diameters		Bar Piece	Cross Wire Piece	Piece/kg	Cross Wire/min.	Ton
		Bar Length	Cross Wire	Bar Length	Cross Wire					
5000	2150	150	150	4	4	13	33	13,427	105	14
5000	2150	150	150	4,5	4,5	13	33	16,994	105	18
5000	2150	150	150	5	5	13	33	20,980	105	22
5000	2150	150	150	5,5	5,5	13	33	25,386	105	27
5000	2150	150	150	6	6	13	33	30,211	105	32
5000	2150	150	150	6,5	6,5	13	33	35,456	105	38
5000	2150	150	150	7	7	13	33	41,121	73	31
5000	2150	150	150	7,5	7,5	13	33	47,205	73	35
5000	2150	150	150	8	8	13	33	53,709	73	40
5000	2150	150	150	8,5	8,5	13	33	60,632	73	45
5000	2150	150	150	9	9	13	33	67,975	73	51
5000	2150	150	150	9,5	9,5	13	33	75,738	73	56
5000	2150	150	150	10	10	13	33	83,920	65	56
5000	2150	150	150	10,5	10,5	13	33	92,522	53	50
5000	2150	150	150	11	11	13	33	101,543	53	55
5000	2150	150	150	11,5	11,5	13	33	110,984	53	60
5000	2150	150	150	12	12	13	33	120,844	53	65



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MW-CS105 WELDING MACHINE OPTIONS



CS105 OPTION MODELS TABLE

Option Model Code	075250-33	100250-25	150250-17	150000-17	200250-13
1. Welding Transformer 120kVA HE	12	12	9	9	7
2. Welding Driver Unit 280A 400V AC	12	12	9	9	7
3. Welding Cylinder	17	13	9	9	7
4. Single Welding Press	1	1	1	1	1
5. 75/100mm Copper Bridges	16	12	-	-	-
6. 150mm Copper Bridges	8	8	8	8	-
7. 200/250mm Copper Bridges	6	6	6	-	6
8. Lower Welding Copper Electrode	33	25	17	17	13
9. Upper Welding Copper Electrode	61	53	29	17	13
10. Lower Copper Flex Energy Cable	33	25	17	17	13
11. Transformer Coppers Set	12	12	9	9	7
12. Pneumatic Holder Pistons	33	25	17	17	13
13. Pneumatic System ** Set Control	33	25	17	17	13



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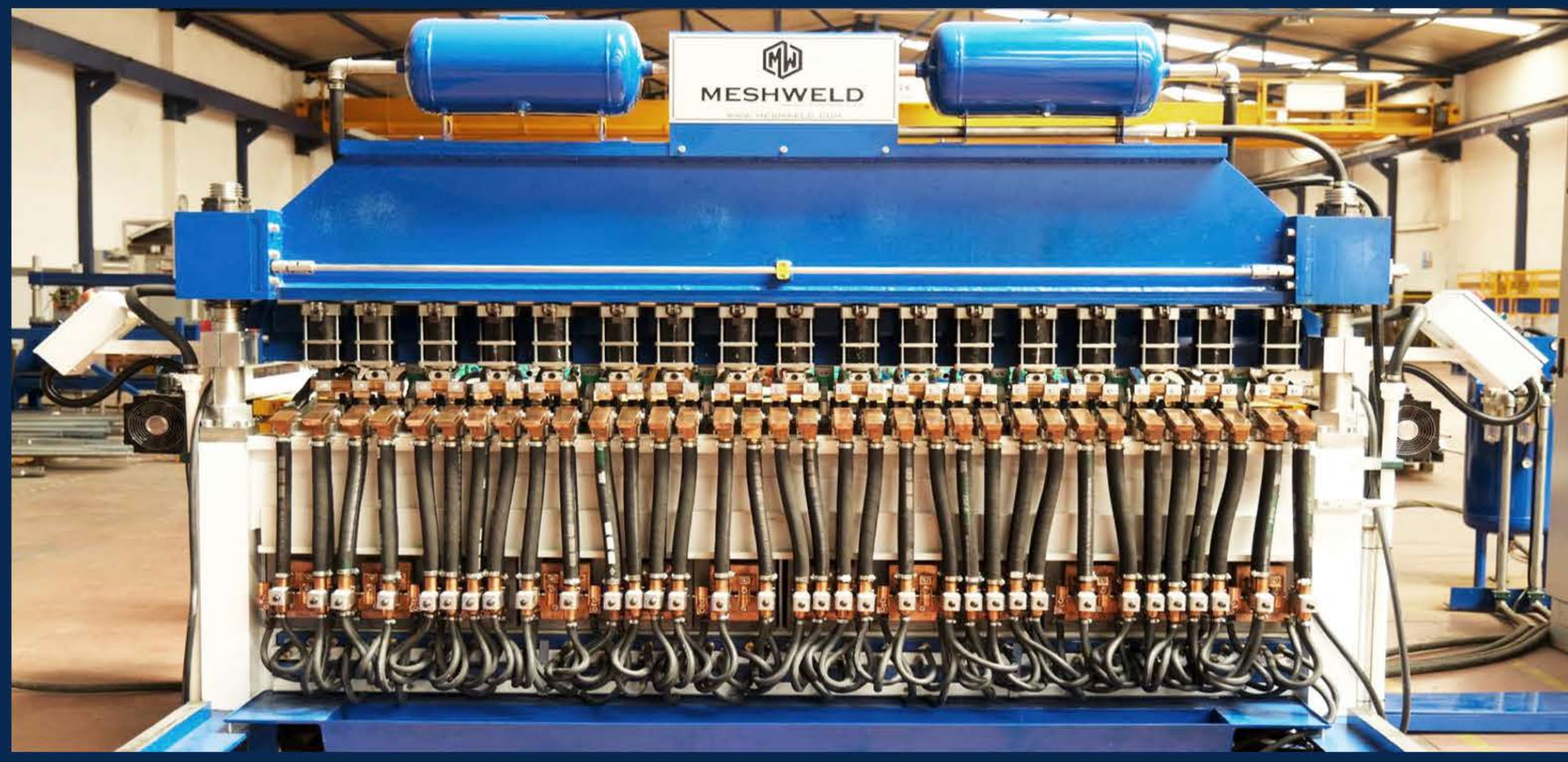
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MW-CS105 OPTIONS

MW-CS105

Welding Machine Option Models

O1. 075250-33



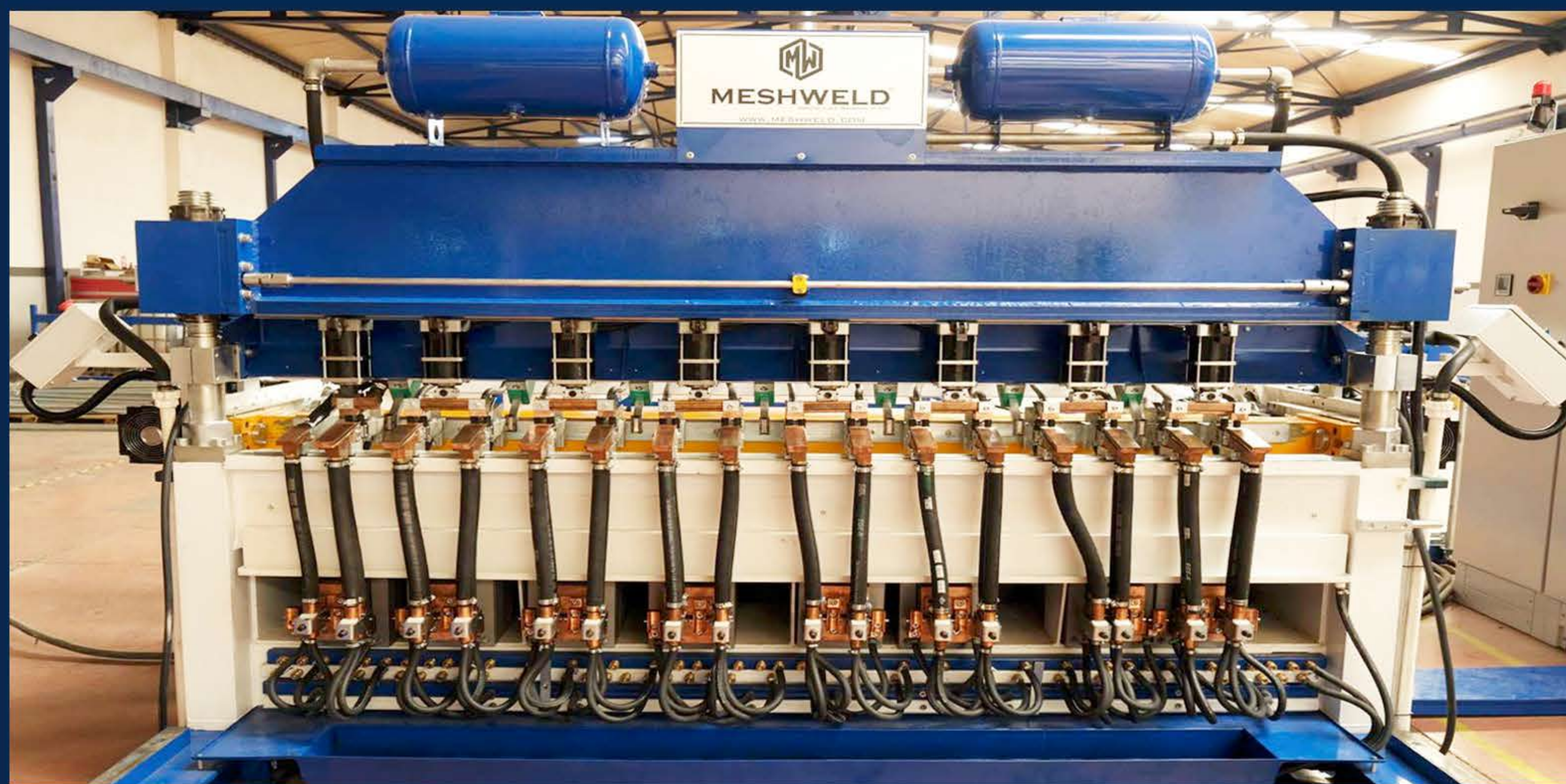
1.Transformatör 120kVA	12 Pcs.
2.Welding Driver Unit 280A	12 Pcs.
3.Welding Cylinder	17 Pcs.
4.Single Welding Press	1 Pc.
5.75/100mm Copper Bridges	16 Pcs.
6.150mm Copper Bridges	8 Pcs.
7.200/250mm Copper Bridges	6 Pcs.
8.Lower Welding Copper Electri	33 Pcs.
9.Upper Welding Copper Electri	61 Pcs.
10.Lower Copper Flex Cable	33 Pcs.
11.Transformer Coppers Set	12 Pcs.
12.Pneumatic Gripper Pistons	33 Pcs.
13.Pneumatic System 33 Set Control	

O2. 100250-25



1.Transformatör 120kVA	12 Pcs.
2.Welding Driver Unit 280A	12 Pcs.
3.Welding Cylinder	13 Pcs.
4.Single Welding Press	1 Pc.
5.75/100mm Copper Bridges	12 Pcs.
6.150mm Copper Bridges	8 Pcs.
7.200/250mm Copper Bridges	6 Pcs.
8.Lower Welding Copper Electri	25 Pcs.
9.Upper Welding Copper Electri	53 Pcs.
10.Lower Copper Flex Cable	25 Pcs.
11.Transformer Coppers Set	12 Pcs.
12.Pneumatic Gripper Pistons	25 Pcs.
13.Pneumatic System 25 Set Control	

O3. 150250-17



1.Transformatör 120kVA	9 Pcs.
2.Welding Driver Unit 280A	9 Pcs.
3.Welding Cylinder	9 Pcs.
4.Single Welding Press	1 Pc.
5.75/100mm Copper Bridges	-
6.150mm Copper Bridges	8 Pcs.
7.200/250mm Copper Bridges	6 Pcs.
8.Lower Welding Copper Electri	17 Pcs.
9.Upper Welding Copper Electri	29 Pcs.
10.Lower Copper Flex Cable	17 Pcs.
11.Transformer Coppers Set	9 Pcs.
12.Pneumatic Gripper Pistons	17 Pcs.
13.Pneumatic System 17 Set Control	

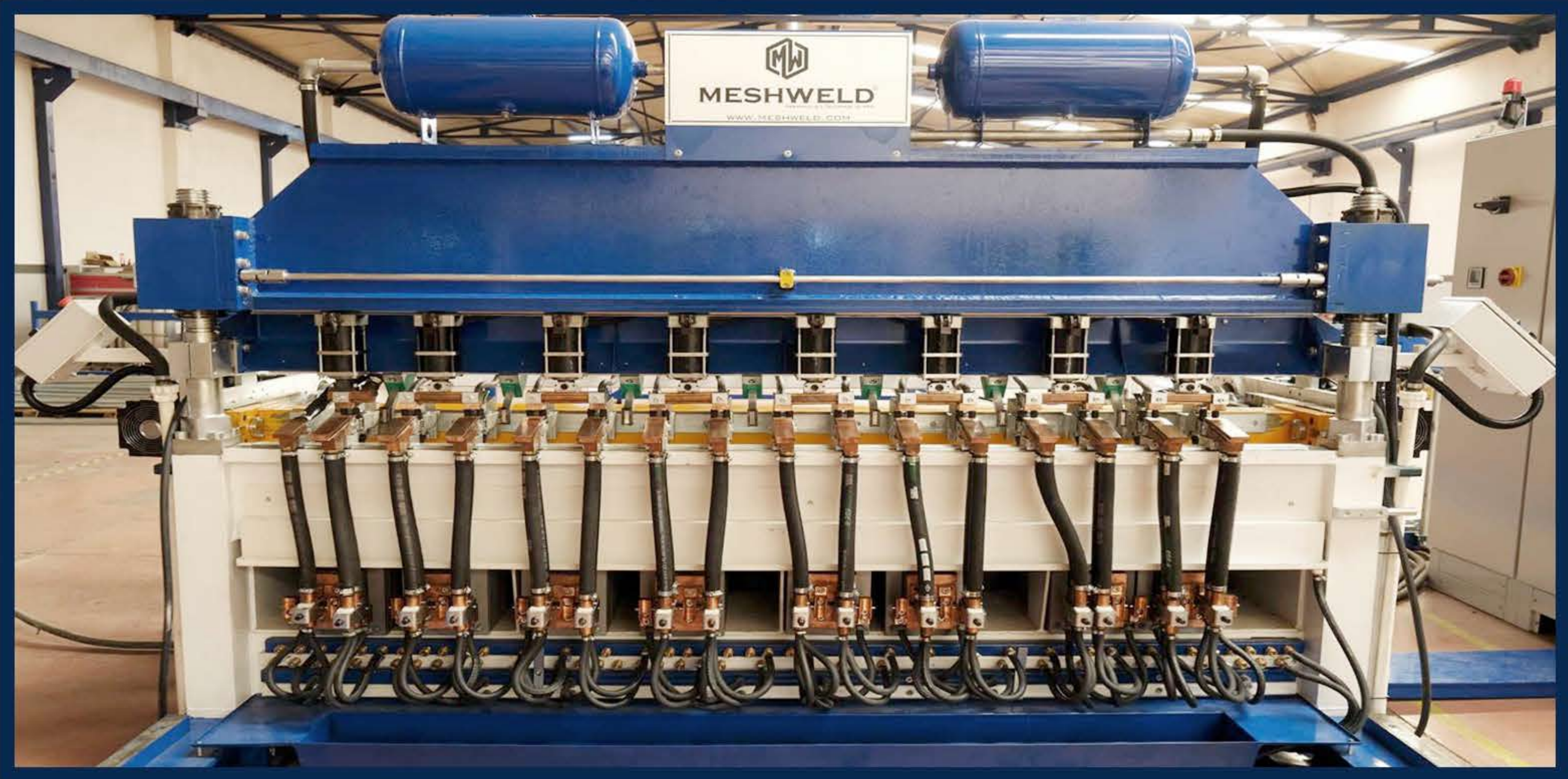


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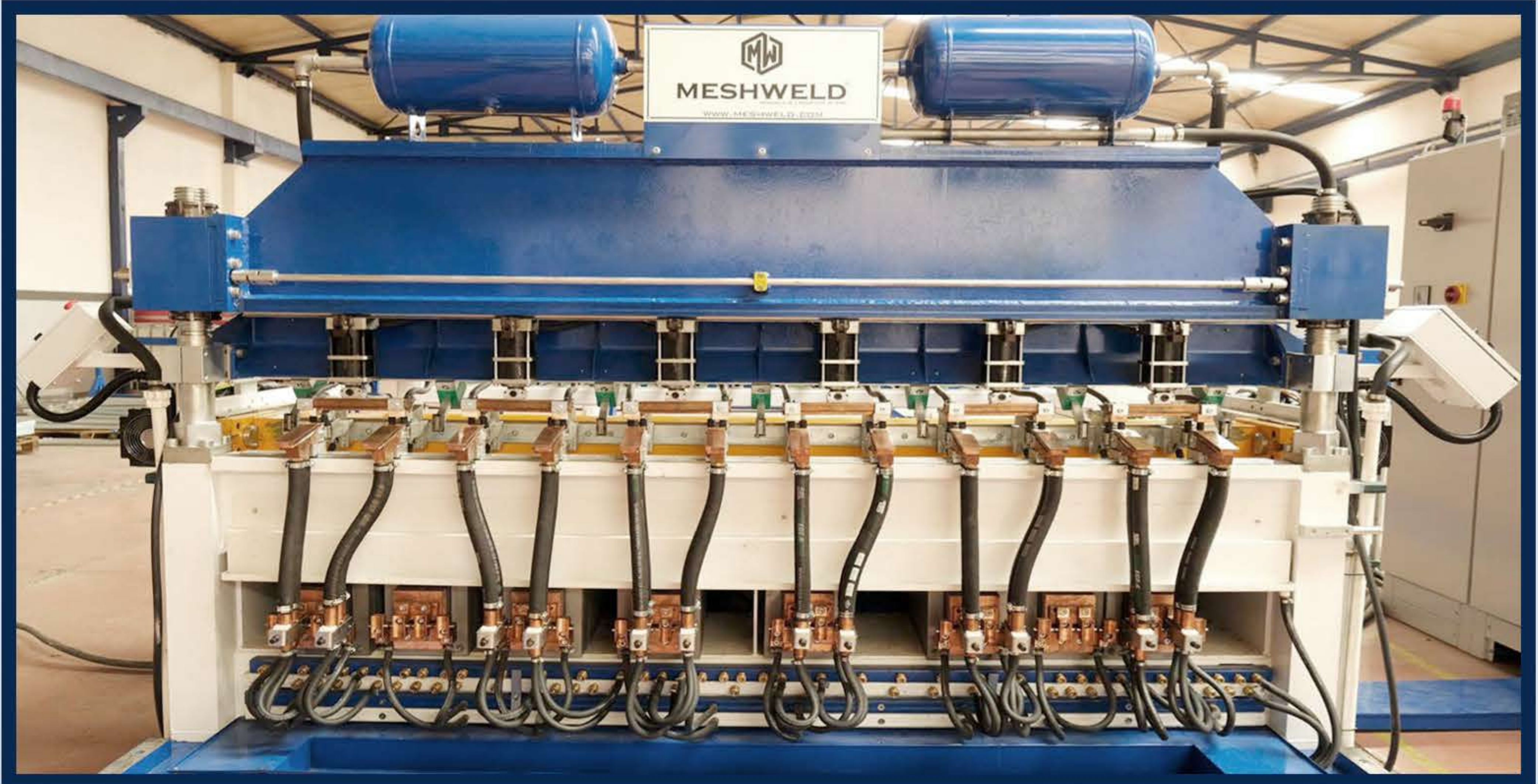
MW-CS105 OPTIONS

O4. 150000-17



1.Transformatör 120kVA	9 Pcs.
2.Welding Driver Unit 280A	9 Pcs.
3.Welding Cylinder	9 Pcs.
4.Single Welding Press	1 Pc.
5.75/100mm Copper Bridges	-
6.150mm Copper Bridges	8 Pcs
7.200/250mm Copper Bridges	-
8.Lower Welding Copper Electrode	17 Pcs.
9.Upper Welding Copper Electrode	17 Pcs.
10.Lower Copper Flex Cable	17 Pcs.
11.Transformer Coppers Set	9 Pcs.
12.Pneumatic Gripper Pistons	17 Pcs.
13.Pneumatic System 17 Set Control	

O5. 200250-13



1.Transformatör 120kVA	7 Pcs.
2.Welding Driver Unit 280A	7 Pcs.
3.Welding Cylinder	7 Pcs.
4.Single Welding Press	1 Pc.
5.75/100mm Copper Bridges	-
6.150mm Copper Bridges	-
7.200/250mm Copper Bridges	6 Pcs.
8.Lower Welding Copper Electrode	13 Pcs.
9.Upper Welding Copper Electrode	13 Pcs.
10.Lower Copper Flex Cable	13 Pcs.
11.Transformer Coppers Set	7 Pcs.
12.Pneumatic Gripper Pistons	13 Pcs.
13.Pneumatic System 17 Set Control	

PNEUMATIC SYSTEM AND PARTS



Pneumatic gripper pistons, installation parts and welding copper sets varies according to the number of welding groups.

- * Pneumatic gripper pistons
- * Piston installation components
- * SMC Valve parts
- * Pneumatic installation parts



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MW-CS105 OPTIONS

Warranty Conditions

- 1) During the Warranty Period, Meshweld shall support you with remote access service via internet or telephone.
- 2) During the Warranty Period, Meshweld shall take all the actions necessary to send the service staff at the buyer's expense including transportation, accommodation and others.
- 3) Meshweld shall invoice its expense if the report to be created after on-site service reveals that the malfunctions are caused by the user.
- 4) During the Warranty Period, Meshweld shall, at its own expense, send all the mechanical parts of the machine if occurs quality problems due to production errors.
- 5) Since parts such as copper materials, pneumatic holder pistons, welding cylinders, crank mechanism equipments, wire throwing units like rollers and wheels are not under warranty, free replacement or free delivery shall not be.
- 6) Meshweld shall not be responsible to provide free replacement or free delivery for the products under the warranty of other brands (Siemens, SMC, etc.) used on the machine.
- 7) The Warranty Time shall start with the shipment of the applicable product and the completion of the installation-commissioning services.
- 8) Even if the installation and commissioning services are not finished within 90 days from the date of delivery, the buyer shall be notified in writing that the warranty period has started.

MW-CS105 Wire Mesh Welding Machine 4-12mm



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MW-SA625 SEMI AUTOMATIC FEEDING UNIT

MW-SA625 SEMI AUTOMATIC FEEDING UNIT

CE Accreditation	: TCS	Certificate No	: C-18-007-006-04-00
Trademark Office	: Turkish Patent	Trademark Registration No	: 2017 7187-47



1. MW-SA625

Semi Automatic Feeding Unit

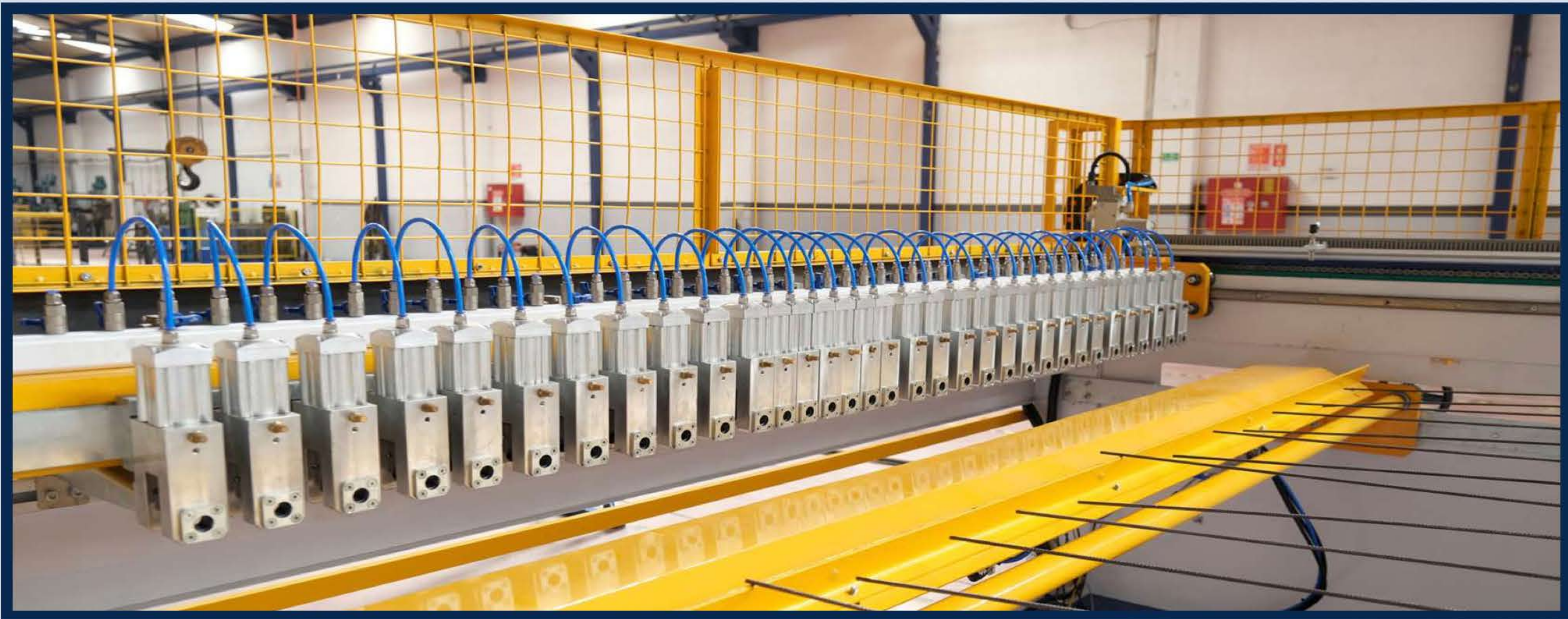
1.1. Line Wire Bench	3 Pcs.
1.2. Main Part	1 Pc.
1.3. Line Wire Automatically Driving Conveyor	1 Pc.
1.4. Wire Fences and Cage Doors Conforming to CE Safety Standards	1 Set

2. C** Semi Automatic Pre-feeding Unit Options	* The amount varies according to the machine option
2.1. Line Wire Feeding Slots	*
2.2. Pneumatic Pistons Carrying Line Wire	*
2.3. Pneumatic Pistons Installation Parts	*

* MW-SA625 Option Models

C17	Line Wire Spacings	150/200/250mm
	Line Wire Feeding Slots	17 Pcs.
	Line Wire Pneumatic Pistons	17 Pcs.
	Installation Components of Pneumatic Piston	17 Sets
C25	Line Wire Spacings	100/150/200/250mm
	Line Wire Feeding Slots	25 Pcs.
	Line Wire Pneumatic Pistons	25 Pcs.
	Installation Components of Pneumatic Piston	25 Sets
C33	Line Wire Spacings	75/100/150/200/250mm
	Line Wire Feeding Slots	33 Pcs.
	Line Wire Pneumatic Pistons	33 Pcs.
	Installation Components of Pneumatic Piston	33 Sets

- * It enables the staff to work more easily compared to manual feeding system. It can be operated with just 1 personnel. Production losses of the welding machine decrease and it provides working more efficiently.
- * The options of semi automatic feeding unit are suitable up to 2500mm that is the maximum width of the cross wires.
- * Maximum Mesh Width 2400mm / Minimum Mesh Width 1000mm
- * Maximum Mesh Length 6000mm / Minimum Mesh Length 2400mm

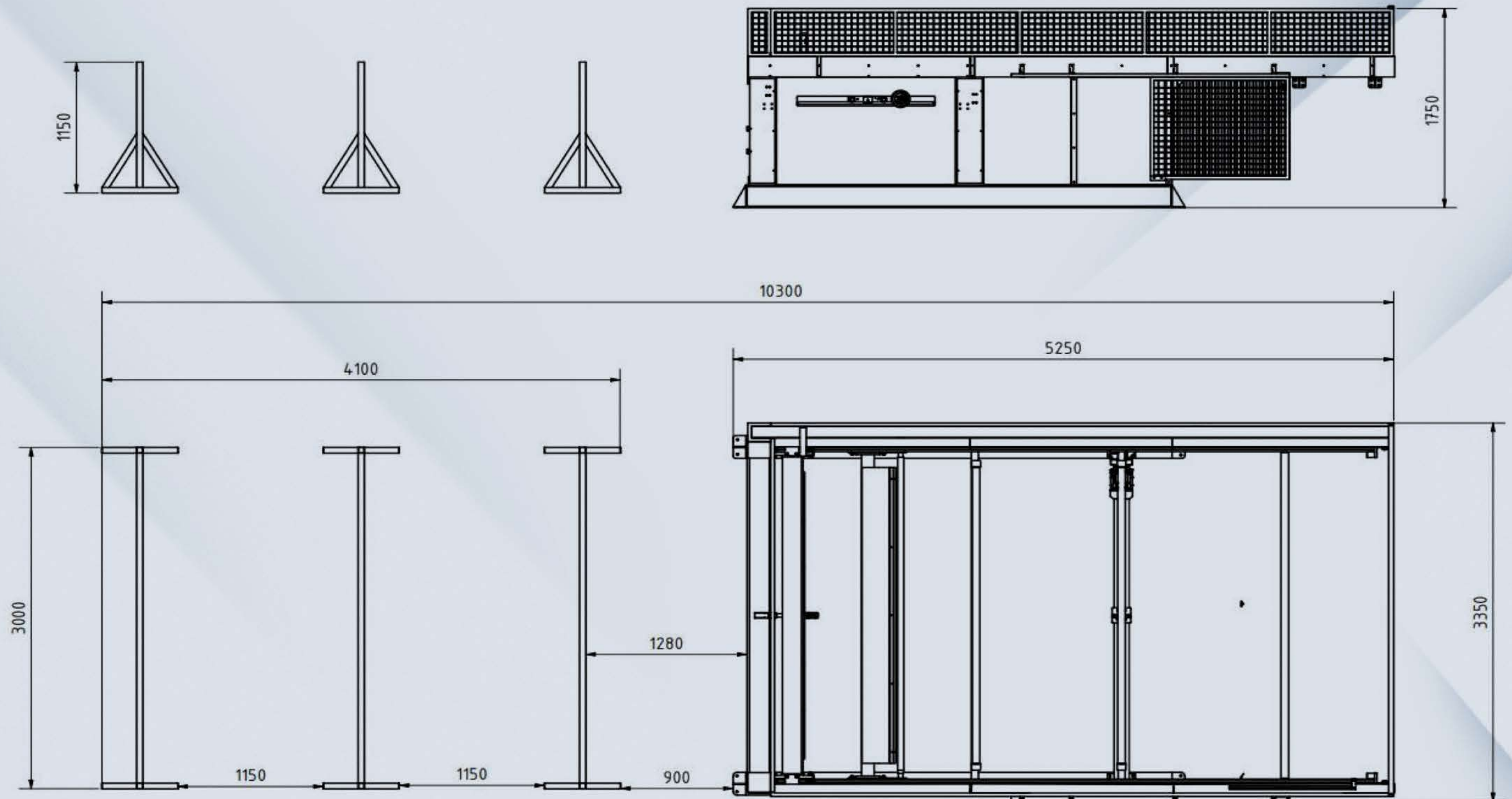




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MW-SA625 SEMI AUTOMATIC FEEDING UNIT



MANUAL PRE - FEEDING UNIT

TUBES



Line wire spacings
75 - 100 - 150 - 200 - 250 mm

PANS



Line wire spacings
150 - 200 - 250 mm

MW-AT625 AUTOMATIC TURNING UNIT

MW-AT625 AUTOMATIC TURNING AND STACKING UNIT

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MW-AT625 AUTOMATIC TURNING UNIT

1. MW-AT625 Automatic Turning and Stacking Unit

1.1. Wire Mesh Throwing Unit	1 Pc.
1.2. Turning and Stacking Unit	1 Pc.
1.3. Counterweight and Lifting Unit	1 Pc.
1.4. Pneumatic Clapms	10 Sets
1.5. Automatic Roller Conveyor 6mt. (stacking)	1 Pc.
1.6. Automatic Roller Conveyor 6mt. (shipping)	1 Pc.
* Line Wire Spacings	75/100/150/200/250mm
* Max length of automatically turning wire mesh	6000 mm
* Max length of automatically stacking wire mesh	7000 mm
* Max width of wire mesh	2500 mm
* No needs for personnel	
* It automatically turns and stacks the mesh to the amount entered from the operator panel.	
Max Height of Wire Mesh Package : 500 mm	
Max Weight of Wire Mesh (Automatically Turning) : 160 kg	
* The turning direction can be set right or left with the help of counterweight system.	



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MW-CS105

SPD Endüstriyel Otomasyon ve
Kontrol Sistemleri San. Tic. Ltd. Şti.

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Discover
the potential



CHANNEL

