



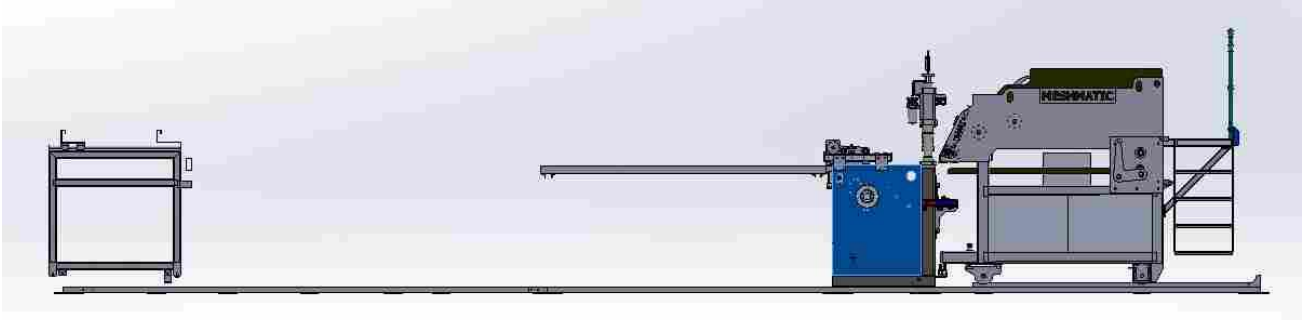
**ALPER
ELEKTRONİK**

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BRAND: MESHMATIC

MODEL: HKM 25 G 05

Width of the machine 25- (2500mm) Wire feeding system G- (Pulling cross wires) Welding capacity 05- max.5mm-5mm



Capacity :

Machine Speed :	40 strokes per minute
Width of the panel:	2500mm
Length of the panel:	3000mm
Cross wire diameter	3-5mm
Line wire diameter	3-5mm
Cross wire space	20-200mm (adjustable on the touch panel)
Line wire space:	Min.45mm, manually adjustable

Needs :

Line power	3x400v 400KVA
Cooling water	Cooled, neutral, 80 liters per minute 1 -1/4"
Pressured air	6 atm , 4 cubic meters per minute

Panel mesh sizing:



Units of the machine:

- 1)LINE WIRE FEEDING UNIT
- 2)WELDING UNIT
- 3)CROSS WIRE FEEDING UNIT
- 4)PANEL PULLING SYSTEM
- 5)ELECTRICAL CABINET

1) Equipped by motor. Feeding length is adjustable on the touch panel. It has 46 pcs grippers.

Feeding length:	50-300mm
Feeding system:	Manually or motorised
Grippers:	46 pcs

2) The welding unit includes upper and lower electrodes and welding transformers. The line wires come on the upper electrodes and cross wires from magazine on the line wires connected to the magnets, then welding cylinders press, transformers send high current electrical power for welding.

Welding transfor:	12 pcst 60KVA
Welding press cyls:	24 pcs 90mm tandem
Valves:	24 pcs
Upper electrod holders:	24 pcs 50-70mm
Welding bars :	46 pcs water cooled copper
Down electrode holders:	46 pcs water cooled
Magnets :	6 pcs (sensing capability)

3) The magnetic carrier takes a few cross wires to the mini magazine.

Servo motor activated seperator disc takes the cross wires one to one.

Pneumatic activatted strikers pushes the cross wire to the magnets

Storage capacity :	600 kg
Intermediate Storage motor:	1.1kw AC
Cross Wire motor:	0.75kw Servo
Cross wire receiver:	3-5mm adjustable
Cross wire thrower :	6 adet

4) The panel pulling system has a servo carriage, on the linear guides. The grippers catch the cross wire and pull the panel step by step.

Pulling motor :	Servo
Grippers:	6 pcs pneumatic

5) There are 12 pairs disc SCR in the cabinet. PLC and motor control system are connected together. The system can conect to internet by way of ethernet.

PLC:	Panasonic - Mitsubishi
Touch panel:	Delta -Mitsubishi
Inverters:	Mitsubishi
Servo motors:	Mitsubishi
Electrical components:	Schnieder
Welding system:	PLC controlled SCR 12 pairs