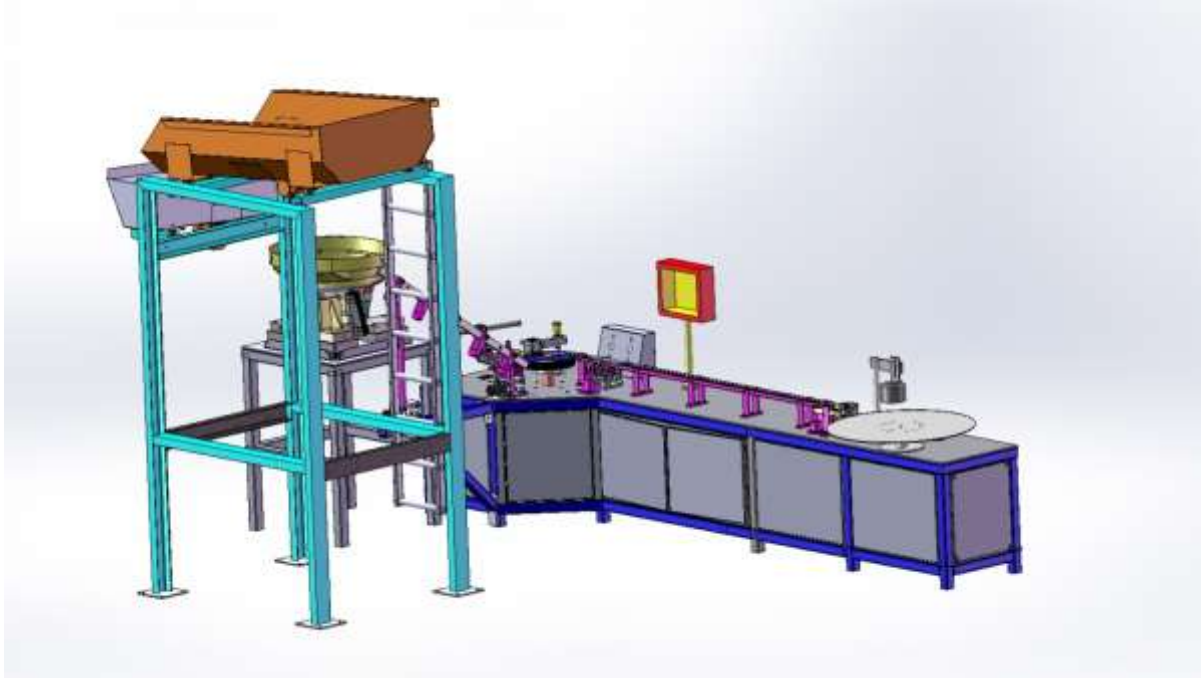




**ALPER  
ELEKTRONİK**

**HB ALPER ELEKTRONİK** MAKİNA San. Ve Tic. Ltd. Şti.  
Mersin-Tarsus Organized Industrial Zone 2. Street No:28 MERSİN/TURKEY  
Tel. +90 324 676 4486-87 Faks: +90324 676 4426 info@alperelektronik.com.tr  
www.alperelektronik.com.tr www.meshmatic.com www.collmatic.com

## BRAND : COLLMATIC



Capacity :

Machine speed :	Max 2000 nail per minute
Welding mold:	2.1, 2.5-2,8, 3-3,2mm
Length of the nail:	35mm - 90mm
Collated nails	Max.300 pcs

Gereksinimler :

Line power	3x400v 10KVA
Pressured Air	6 bar, 2 cubic meters per minute
Cooling water	25 degree celsius, free of limestone, clean



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Units of the Machine:

- 1) HOPPER
- 2) VIBRATING BOWL
- 3) WELDING UNIT
- 4) COILING
- 5) CONTROL

1) The nails inside of the main hopper sends to the little hopper and then to the vibrating bowl by control of the PLC according to the sensors.

1. hopper motor:	0.250kw 3000d/dk
2. hopper motor:	0.125kw 3000d/dk
Hopper capacity	250kg

2. The nails go from vibratory bowl to the welding mold . It can send 2500 nail per minute.

Vibratory bowl	750mm diameter
Power:	2kw (1kw 2 coils)
Speed:	2500 nails per minute

3. The nails on the welding mold are ready to welding. Two welding electrodes press to welding wires on to the nails and a welding sensor sends the weld command. The medium frequency welding electronics send current to the electrodes by way of IGBT and transformer. The system can weld 2000 nails per minute. The welding system has a sensor for lost nail. Adjustable press force for welding electrodes are necessary for welding quality.

Main motor:	1.1kw AC
Clutch:	Adjustable
Mold:	3 pcs. 2,1-2,3/ 2,5-2,8/3, 0-3,3
Welding electrode :	2 pcs, water cooled
Adjust:	Up & Down, Forward & reverse
Press power	Adjustable , pneumatic
Welding system:	1khz IGBT controlled

4) The level press coiling system Sarma sistemi sends the strip of the nails. Coiling part catch the nail strip and rotates with the strip for coiling. The roll of the nail strip goes up after finishing the coiling. The electromagnet takes the coil and send to the table.

Coiling motor:	0.18kw AC
Press and lift:	pneumatic
Exhaust:	Elektromagnet

5) The electronic control system is include PLC, Touch panel, Inverter and etc.

PLC:	Panasonic - Mitsubishi
Touch panel:	Delta -Mitsubishi
Inverter:	Mitsubishi
Electrical compon.:	Schneider