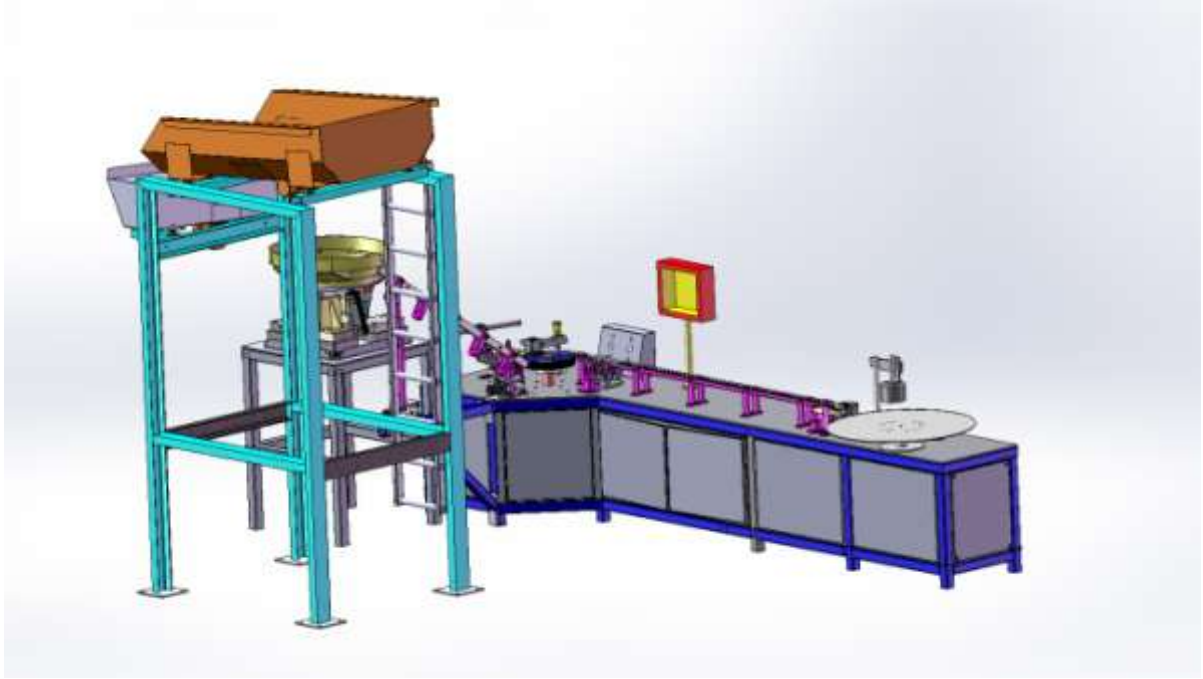




**ALPER
ELEKTRONİK**

HB ALPER ELEKTRONİK MAKİNA San.Ve Tic.Ltd.Şti.
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BRAND: COLLMATIC



Capacity

Machine Speed:	Max 2000 nails per minute
Nail Diameter:	2.1, 2.5-3, 3-3,5mm
Nail length Max:	90mm
Roll capacity:	300 nails

Needs

Power	3x400V 7,5KVA
Pressed Air	6 atm 2 cubic per minute
Water	25° C 6 liters per minute, clean



Unit of the Machine:

- 1)HOPPER
- 2)VIBRATION
- 3)WELD
- 4)ROLLING
- 5)ELECTRICAL SYSTEM

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

1.hoper motor	0,25kw 3000d/dk
2.hopper	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.

Vibratör bowl	750mm siameter
Power	2kw (1kw 2 coils)
speed	2500 nails per minute

3.The nails on the welding mold are ready to welding.Two welding electrodes pres to welding wires on the nails and a welding sensör 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 pres force for welding electrodes are necessary for welding quality.

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

4) The level pres coiling system sarma sistemi sento the strip of the nails.Coiling part catch the nail strip and rotates with the strip for coiling.The roll of the nail strip gous up after finishing the coiling.The electromagnet takes the coil and send to the table.

Coiling motor	0.18kw AC
Press and lift	pneumatic
Wxhoust	Elektromagnet

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

PLC:	Panasonic - Mitsubishi
Touch panel	Delta -Mitsubishi
Inverter	Mitsubishi
Electrical compon	Schnider