



Steel Wire Production Machine (High Speed Nail Machine)

Technical specification

RONEN GROUP

-----Technical specification for High Speed Nail Machine-----



1、 Technical Parameters:

Nail Diameter	2.0-3.5 mm
Nail Length	25-100 mm
Max Output	860pcs/min
Rated Power	7kw
Voltage	380V-3 phases-50 HZ
Wire Grade	SAE1006-1012
PLC	With PLC
Cover	With Cover
Wire Pay-off	Max 1.5 ton
Weight	2800kg

2、 Technical Standards:

Nail making machine nail length range: 25mm-100mm (some accessories need to be replaced)

Nail making machine maximum nail making speed: 800 pcs/min.

Nail making machine nail diameter range: 1.8mm-3.5mm

Power consumption

Host power: 5.5KW

Power of material rack motor: 1.5KW

Measured total power: less than 4KW

Machine profile dimensions

Main body size: 1500x1240x1320mm

Shelf size: 1500x800x350mm

Electrical cabinet size: 400x600x800mm

Drive train belt parameters



Timing Belt: 14M-3220-85

Synchronous belt: HTD8-736

Nail feed synchronous belt: AT5-1805-25

Motor belt: B-1524Li

Nail making process

- 1) Automatic discharge of material rack;
- 2) Straighten the wire with the straightener;
- 3) The wire feeding structure reciprocates to feed the wire into the intermittent motion of the timing belt;
- 4) The wire is fed into the nail feeding belt, the nail cutter cuts off the length of the wire in equal portions, and is transported to the Nail dies position in equal portions by the nail feeding belt, and then the Nail dies is clamped and the punch is synchronized with the stamping to form the nail cap;
- 5) Finished nails are output with synchronous belt;
- 6) Directly connected automated production in large factories;

BEIJING RON-EN MACHINERY AND INTEGRATION CO., LTD

For and on behalf of
BEIJING RON-EN MACHINERY&INTEGRATION CO.,LTD.
北京荣恩卓立设备技术有限公司

Gavin Yang

Authorized signature(s)