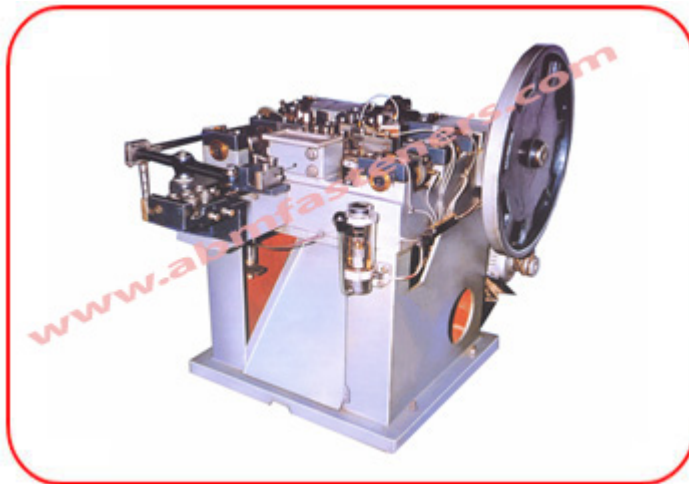


WIRE NAIL / PANEL PIN MAKING PLANT

(Automatic, High Speed, Crank Type)

- (a) Automatic Wire Nail / Panel Pin Making Machines
- (b) Polishing Drum
- (c) Grinding Machines

WIRE NAIL / PANEL PIN MAKING MACHINES (Automatic, High Speed)



FEATURES

CONSTRUCTION

ABM TOOLS Panel Pin & Wire Nails making machines crank type are made from high grade castings and steel. Machines ensure perfect sturdy construction and long life.

DRIVE

Three shafts design has been adopted to ensure efficient smooth working. The main crank is direct operated by motor. The side shafts are driven by four bevel gears, which operate cutting tools. The separate shafts for cutting ensure correct adjustment of tools.

BEARING

Main crank & side shafts are fitted with special gun metal Bushes to ensure long life. All the Bushes & Lubricating Points are provided with cup type oil reservoirs.

WORKING OF MACHINE

The wire end from coil passes through straightening rollers and fed intermittently in the gripping dies, which close firmly allowing heading punch to press the head of the nails, then grip loosened and required length of the nail is fed constantly, where it is cut by cutting tools leaving ample stock for the head of the next nail. Thus ready nail is ejected by the ejector. The operations are repeated in each revolution.

WIRE FEED

The wire feed is obtained from main crank shaft. The desired length of nail is easy to set by adjustment bolt.

ACCESSORIES FOR THE PLANT

Grinding Machine, Polishing Drum and Spare Dies, etc.

SPECIFICATION (Wire Nail / Panel Pin Making Machine)

Item Code No.	ABM-FM-6570	ABM-FM-6571	ABM-FM-6572
Length of Nail / Panel Pin	1/4" to 1" (6 to 25 mm)	1/2" to 1-1/2" (12 to 38 mm)	1/2" to 2" (12 to 50 mm)
Thickness of Wire Gauge	0.9 to 1.4 mm (20 to 17 SWG)	1.2 to 2 mm (18 to 14 SWG)	1.6 to 2.6 mm (16 to 12 SWG)
Production Per Minute	500 to 550 Pcs.	400 to 450 Pcs.	300 to 350 Pcs.
Motor Required	1 H.P. x 1400 R.P.M.	1.5 H.P. x 1440 R.P.M.	2 H.P. x 1440 R.P.M.
Net Weight of Machine	225 Kg.	350 Kg.	500 Kg.
Gross Weight of Machine	300 Kg.	450 Kg.	650 Kg.
Case Size	33" x 29" x 32"	33" x 32" x 35"	36" x 37" x 37"

SPECIFICATION (Wire Nail Making Machine)

Item Code No.	ABM-FM-6573	ABM-FM-6574	ABM-FM-6575	ABM-FM-6576
Length of Nail	3/4" to 3" (20 to 75 mm)	1" to 4" (25 to 100 mm)	2" to 6" (50 to 150 mm)	2" to 8" (50 to 200 mm)
Thickness of Wire Gauge	2 to 3.7 mm (14 to 9 SWG)	2.6 to 4 mm (12 to 8 SWG)	4 to 6 mm (8 to 4 SWG)	4 to 7 mm (8 to 2 SWG)
Production Per Minute	225 to 275 Pcs.	175 to 210 Pcs.	100 to 125 Pcs.	90 to 100 Pcs.
Motor Required	3 H.P. x 1400 R.P.M.	5 H.P. x 1400 R.P.M.	7.5 H.P. x 960 R.P.M.	10 H.P. x 960 R.P.M.
Net Weight of Machine	850 Kg.	1200 Kg.	1800 Kg.	2400 Kg.
Gross Weight of Machine	1050 Kg.	1550 Kg.	2400 Kg.	3200 Kg.
Case Size	47" x 56" x 42"	52" x 51" x 44"	65" x 72" x 49"	84" x 77" x 57"

POLISHING DRUM



FEATURES

This drum is used for scouring and polishing mass produced articles (Wire Nails, Sheet Nails, Buckets, etc.). The nails with nippings are loaded into the drums and suitable quantity of saw dust and leather cutting is added. Thereafter they are tumbled for approximately 20 – 40 minutes depending on the dirt accumulation on the nails. The nippings and scouring can be drawn off together at the end of the process, if the machine is ordered with a dust filter unit with an exhaustor. Otherwise the nails can be separated through a sieve also.

SPECIFICATION

Item Code No.	ABM-FM-6520	ABM-FM-6521
No. Of Drums	Single Drum	Double Drum
Output/ Charge	200 Kg.	400 Kg.
Batch Period (Min.)	30 - 40	30 - 40
Motor Required	2 H.P.	3 H.P.
Net Weight of Machine	500 Kg.	800 Kg.
Gross Weight of Machine	560 Kg.	900 Kg.

GRINDING MACHINES



FEATURES

The Grinding Machine is specially designed to sharpen and grinding the dies and cutters of the machine. It is fitted with four grinding wheels of different shapes and special attachments.

One H.P. x 2600 R.P.M. Motor is fitted in it.

SPECIFICATION

Item Code No.	ABM-FM-6590
No of Grinding Wheels	4
Motor Required	1 H. P. x 2600 R.P.M.
Net Weight of Machine	150 Kg.
Gross Weight of Machine	180 Kg.

All Specifications are subject to change towards improvements without any prior notice.

Manufactured by ABM Fasteners (India) and Export Marketing by ABM Tools



Postal Address : 79A, Pocket GG-1, Vikas Puri, New Delhi – 110018, India
 Mobile / Whatsapp : +91 98910 27608 / +91 98712 63436 / + 91 98910 44387
www.abmtools.com
www.abmfasteners.com
 e-mail : abmtools@gmail.com
sales@abmfasteners.com

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