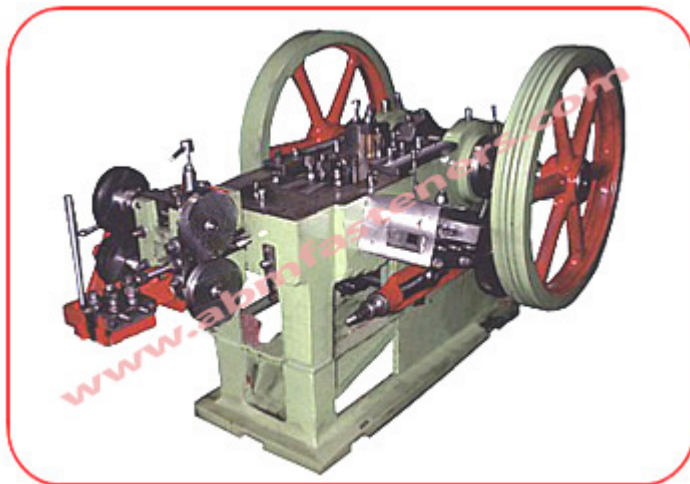


SCREW MAKING PLANT

(Automatic, High Speed)

- (a) Automatic High Speed Double Stroke Heading Machines
- (b) Automatic Screw Head Slotting Machines
- (c) Automatic Thread Rolling Machines (High Speed)

DOUBLE STROKE HEADING MACHINES (Automatic, High Speed)



FEATURES

- These cold heading machines are fully automatic and easy to operate with little training, fitted with Solid Die to produce blank for Bolts, Screws, Rivets and other similar components. Cut off and knock out mechanism have safety devices that will stop any major accident if any abnormal function occurs in machines.
- A positive knock out provision had been made on the 1st and 2nd punches to eliminate the possibility of parts sticking to these punches during the operations. The maximum parts of the machines are ground and all the Cames and Rollers from H.C.H.C. (Hardened & Ground).
- On some extra charges machines will be equipped with Pneumatic Clutch & Automatic Centralized Lubrications systems which provides sufficient quantity lubricating to all bearing surface.

SPECIFICATION

Item Code No.	Length of Screw	Dia. of Screw	Production Per Minute	Motor H.P & R.P.M.
ABM-FM-6480	3/4" (2 mm - 20 mm)	1/8" (1 mm - 3 mm)	125 - 150 Pcs.	1 x 1400
ABM-FM-6481	1-1/2" (4 mm - 36 mm)	3/16" (2 mm - 5 mm)	110 - 125 Pcs.	2 x 1400
ABM-FM-6482	2" (7 mm - 50 mm)	1/4" (3 mm - 6 mm)	100 - 110 Pcs.	5 x 960
ABM-FM-6483	2-1/2" (7 mm - 65 mm)	5/16" (4 mm - 8 mm)	90 - 100 Pcs.	7.5 x 960
ABM-FM-6484	3" (10 mm - 75 mm)	3/8" (5 mm - 10 mm)	70 - 75 Pcs.	10 x 960

SCREW HEAD SLOTTING MACHINES

(Automatic, High Speed)



FEATURES

ABM Tools Automatic Screw Head Slotting Machines have been developed for fast & economic slotting of big quantities of screws in current dimensions.

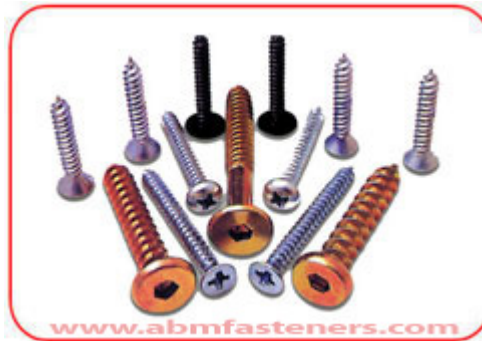
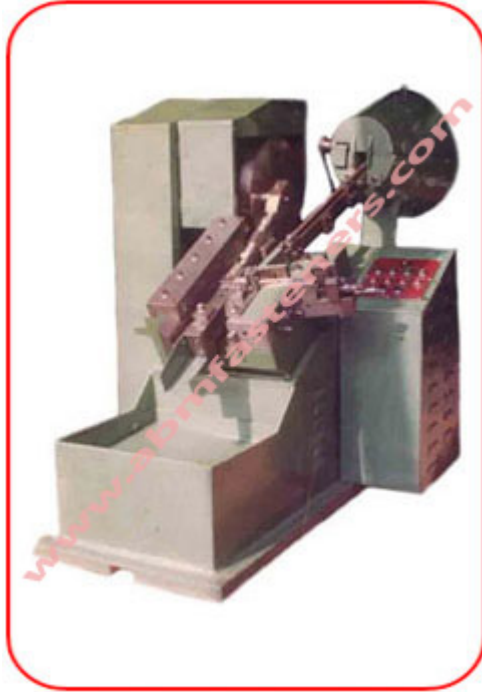
Advantages for the industry.

- Automatic sequence of operation
- Minimum set-up time.
- Low cost.
- High efficiency

SPECIFICATION

Item Code No.	Length of Screw	Dia. of Screw	Production Per Minute	Motor H.P. & R.P.M.
ABM-FM-6490	1" (6 mm - 25 mm)	1/8" (2 mm - 3 mm)	90 - 110 Pcs.	1 x 1400
ABM-FM-6491	1-1/2" (8 mm - 40 mm)	3/16" (3 mm - 5 mm)	90 - 100 Pcs.	1 x 1400
ABM-FM-6492	2" (12 mm - 50 mm)	1/4" (4 mm - 6 mm)	80 - 90 Pcs.	2 x 1400
ABM-FM-6493	2-1/2" (25 mm - 65 mm)	5/16" (5 mm - 8 mm)	70 - 80 Pcs.	2 x 1400
ABM-FM-6494	3" (40 mm - 75 mm)	3/8" (6 mm - 10 mm)	50 - 60 Pcs.	3 x 1400

THREAD ROLLING MACHINES (Automatic, High Speed)



FEATURES

- These machines are designed for mass production and lowest maintenance cost.
- Suitable for threading bolts, automobile parts and other similar components.
- Two flats dies used in these machines, which easily fitted and adjusted.

SPECIFICATION

Item Code No.	Length of Screw	Dia. of Screw	Production Per Minute	Motor H.P. & R.P.M.
ABM-FM-6500	3/4" (2 mm - 20 mm)	1/8" (Upto 3 mm)	300 - 325 Pcs.	1.5 x 1400
ABM-FM-6501	1-1/2" (7 mm - 36 mm)	3/16" (Upto 5 mm)	275 - 300 Pcs.	2 x 1400
ABM-FM-6502	2" (12 mm - 50 mm)	1/4" (Upto 6 mm)	200 - 225 Pcs.	3 x 1400
ABM-FM-6503	2-1/2" (12 mm - 65 mm)	5/16" (Upto 8 mm)	175 - 200 Pcs.	5 x 1400
ABM-FM-6504	3" (20 mm - 75 mm)	3/8" (Upto 10 mm)	125 - 150 Pcs.	7.5 x 1400

Features :-

- 1) All the Machines are provided with Adjustable Phosphorous Bronze Plates to reduce wear and tear of the main forging and threading slides.
- 2) All the Main Bushes of the machines are made of Phosphorous Bronze Metal.
- 3) All the Machines and their main forging and threading slides are made of special graded casting and are properly seasoned to ensure high stability for long life.
- 4) Machines are provided with Double Heavy Duty Wheels to ensure balanced movement of crank shafts and precision forging of bolts & auto parts.
- 5) The header machine is provided with slipper wheels to free the machines and avoid damages in case of any accident.
- 6) Heading Machine will be provided with Slide Locking System.
- 7) Heading Machine will have Cutting & Knock – Out Safety System.
- 8) The Threading Machines is provided with Gear & Pinion to reduce electricity consumption and thus economize the operations and increase power.
- 9) Thread Rolling Machine will be provided with special Knock – out system and bolt/ Screw locking system to avoid accidents.
- 10) Followers of all cams of the machines are made of special high carbon steels and are provided with Phosphorous Bronze Bushes. They are also provided with Special shockers to reduce vibration and ensure high speed feeding of blanks.
- 11) Machines are designed for increased productivity at lower operational cost and manpower.
- 12) Machines are heavily constructed for high stability and ensure longer machine-life.
- 13) All the cranks & shafts are made of special alloy steels to ensure less wear and tear & proper absorption of load.
- 14) All the cams are made of special alloy steels and properly hardened & tempered to ensure long life.
- 15) Heading machine is provided with special cutting arrangement for straight cutting.
- 16) Threading is provided with special system for threading half Thread Bolts.
- 17) Threading machines are heavily constructed and a tie rod is provided for high stability.
- 18) Its Main connecting arm is adjustable for length.
- 19) A high pressure coolant pump is provided to insure proper cooling of dies and proper removal of bur.

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

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



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