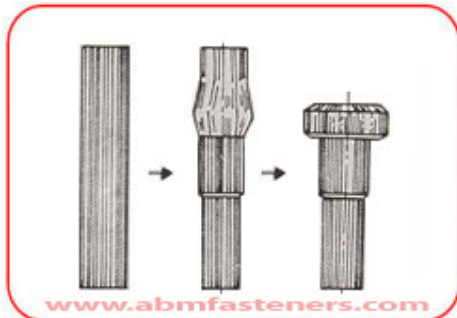
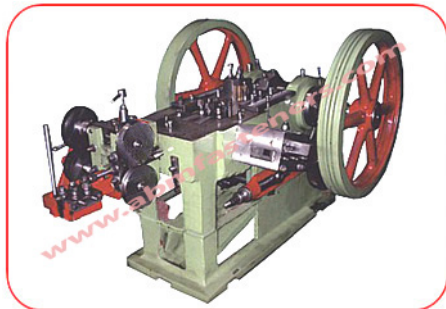


BOLT PLANT (Automatic)

- (a) Automatic High Speed Double Stroke Cold Heading Machines
- (b) Automatic Bolt Head Trimming and Shank Reducing Machines
- (c) Automatic Thread Rolling Machines (High Speed)

DOUBLE STROKE COLD HEADING MACHINES (Automatic, High Speed) (Solid Die)



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 Bolt	Dia. of Bolt	Production Per Minute	Motor H.P. & R.P.M.
ABM-FM-6410	2" (12 mm - 50 mm)	1/4" (3 mm - 6 mm)	90 - 95 Pcs.	5 x 960
ABM-FM-6411	2-1/2" (20 mm - 65 mm)	5/16" (6 mm - 8 mm)	80 - 85 Pcs.	7.5 x 960
ABM-FM-6412	4" (20 mm - 100 mm)	3/8" (6 mm - 10 mm)	70 - 75 Pcs.	10 x 960
ABM-FM-6413	4" (25 mm - 100 mm)	1/2" (8 mm - 12 mm)	60 - 65 Pcs.	20 x 960
ABM-FM-6414	6" (35 mm - 150 mm)	5/8" (10 mm - 16 mm)	50 - 55 Pcs.	30 x 720
ABM-FM-6415	6" (50 mm - 150 mm)	3/4" (12 mm - 20 mm)	35 - 40 Pcs.	30 x 720
ABM-FM-6416	8" (75 mm - 200 mm)	1" (13 mm - 25 mm)	20 - 30 Pcs.	40 x 720

BOLT HEAD TRIMMING AND SHANK REDUCING MACHINES (Automatic, High Speed)



FEATURES

ABM Tools Automatic Bolt head Trimmers are extra exclusive in their transport system. One of the Special features is that bolts with extreme short shank length can be transported without any difficulty. It makes **ABM TOOLS** Trimmer the fastest in the market.

The simplicity of the tooling increases the efficiency considerably and cuts down on set up time.
The machine is well known **ABM TOOLS** quality which stands for excellent workmanship and superior design.

ESSENTIAL FEATURES

Machine design is very simple. All working parts & gears are enclosed as possible. Speed can be changed by motor pulley. Automatic feed with efficient drum type hopper of high capacity.

Bolts are transferred by finger from feed rails to trimming die. All adjustments are easy operated and simple. Vibrator Hopper for odd components (optional)

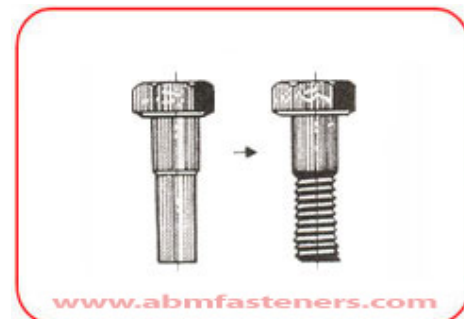
- Fastest machine on the Market
- Sophisticated Transport System
- Rugged design
- One operator for upto 4 machines
- Fine Stroke adjustment

Head Trimming Machine's above Size 12 MM Dia & For extra Length Is With Conveyors System

SPECIFICATION

Item Code No.	Length of Bolt	Dia. of Bolt	Production Per Minute	Motor H.P. & R.P.M.
ABM-FM-6420	2" (12 mm - 50 mm)	1/4" (3 mm - 6 mm)	90 - 95 Pcs.	3 x 1400
ABM-FM-6421	2-1/2" (20 mm - 65 mm)	5/16" (6 mm - 8 mm)	80 - 85 Pcs.	5 x 1400
ABM-FM-6422	4" (20 mm - 100 mm)	3/8" (6 mm - 10 mm)	70 - 75 Pcs.	7.5 x 1400
ABM-FM-6423	4" (25 mm - 100 mm)	1/2" (8 mm - 12 mm)	60 - 65 Pcs.	10 x 1400
ABM-FM-6424	6" (35 mm - 150 mm)	5/8" (10 mm - 16 mm)	50 - 55 Pcs.	15 x 1400
ABM-FM-6425	6" (50 mm - 150 mm)	3/4" (12 mm - 20 mm)	35 - 40 Pcs.	15 x 1400
ABM-FM-6426	8" (75 mm - 200 mm)	1" (13 mm - 25 mm)	20 - 30 Pcs.	15 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.

Thread rolling Machine's Above Size 12 MM Dia & For extra Length Is With Conveyors System

SPECIFICATION

Item Code No.	Length of Bolt	Dia. of Bolt	Production Per Minute	Motor H.P. & R.P.M.
ABM-FM-6430	2" (12 mm - 50 mm)	1/4" (3 mm - 6 mm)	90 - 95 Pcs.	3 x 1400
ABM-FM-6431	2-1/2" (20 mm - 65 mm)	5/16" (6 mm - 8 mm)	80 - 85 Pcs.	5 x 1400
ABM-FM-6432	4" (20 mm - 100 mm)	3/8" (6 mm - 10 mm)	70 - 75 Pcs.	7.5 x 1400
ABM-FM-6433	4" (25 mm - 100 mm)	1/2" (8 mm - 12 mm)	60 - 65 Pcs.	10 x 1400
ABM-FM-6434	6" (35 mm - 150 mm)	5/8" (10 mm - 16 mm)	50 - 55 Pcs.	15 x 1400
ABM-FM-6435	6" (50 mm - 150 mm)	3/4" (12 mm - 20 mm)	35 - 40 Pcs.	25 x 1400
ABM-FM-6436	8" (75 mm - 200 mm)	1" (13 mm - 25 mm)	20 - 30 Pcs.	25 x 1400

Cold Forging Bolt Plants :-

ABM TOOLS / ABM FASTNERS (INDIA) Cold Forging Plants are specially designed using our experience and engineering skills for production of cold forged bolts of range 1 inch to 12 inch Length according to the customer's requirement. There is standard size of bolt plants ranging from 6mm to 36mm in Diameter. This Cold Forging technique is specially used for producing standard bolts in bulk quantity and also for producing precision automobile components. The down under size of bolts can be easily manufactured on a particular standard size machines by making minor adjustments in the machine that can easily explained at the time of trail of the machine.

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 slipping 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 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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