

AUTOMATIC NUT MAKING PLANT

(Nut Plant)

- (a) Automatic Cold Forging Nut Former Machines
- (b) Automatic Nut Tapping Machines

NUT FORMING MACHINES (Automatic, High Speed, Cold Forging)

(Five Station Nut Former)



FEATURES

DIE CENTRE DISTANCE

The minimized die to die distance is a basic condition for high speed production because the shortest distance takes the least time for the movement of the transferring.

LUBRICATION SYSTEM

The lubrication and cooling oil are pumped through the oils lines built outside the machine body. Pumps are equipped with oil filters to prevent the dirt from flowing into the oil lines.

RATCHET WHEEL FEEDING DEVICE

The feeding stopper is eliminated due to high accuracy of feeding. To change the length of the cut off requires only the change of ratchet wheel.

AIR CLUTCH AND BRAKE

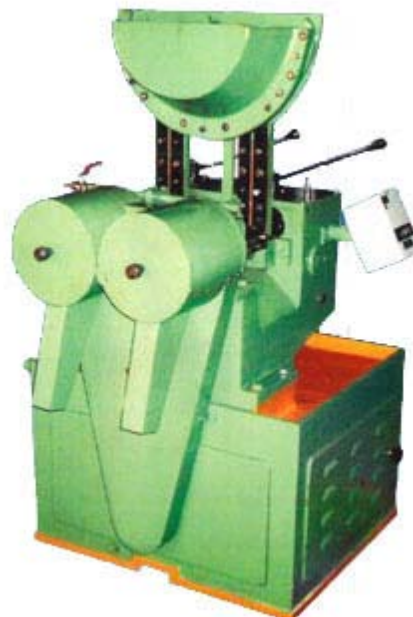
Motor, Flywheel with air clutch and brake system are isolated from other part of the machine for better air circulation. Air clutch and brake are designed to permit inching for tool alignment and test runs during set-up stopping is always in the backward position of the main slide.

SPECIFICATION

| Item Code No. | ABM-FM-6440 | ABM-FM-6441 | ABM-FM-6442 | ABM-FM-6443 | ABM-FM-6444 |
|-----------------------|-------------|-------------|-------------|-------------|-------------|
| Size in mm | M 4 | M 6 | M 8 | M 9 | M 10 |
| Size in Inch | 3/16" | 1/4" | 5/16" | 3/8" | 7/16" |
| Production Per Minute | 200 Pcs. | 190 Pcs. | 170 Pcs. | 130 Pcs. | 125 Pcs. |
| Main Motor | 3 H.P. | 5 H.P. | 7.5 H.P. | 10 H.P. | 15 H.P. |
| Lubrication Pump | 1 H.P. | 1.5 H.P. | 1.5 H.P. | 1.5 H.P. | 1.5 H.P. |
| Cooling Pump | 1 H.P. | 2 H.P. | 2 H.P. | 2 H.P. | 2 H.P. |
| Compressor | 300 Pound | 300 Pound | 300 Pound | 300 Pound | 300 Pound |
| Weight Apx. | 4 Ton | 6 Ton | 7.5 Ton | 9 Ton | 11 Ton |

| Item Code No. | ABM-FM-6445 | ABM-FM-6446 | ABM-FM-6447 | ABM-FM-6449 |
|-----------------------|-------------|-------------|-------------|-------------|
| Size in mm | M 12 | M 16 | M 20 | M 24 |
| Size in Inch | 1/2" | 5/8" | 3/4" | 1" |
| Production Per Minute | 95 Pcs. | 80 Pcs. | 55 Pcs. | 50 Pcs. |
| Main Motor | 20 H.P. | 25 H.P. | 40 H.P. | 60 H.P. |
| Lubrication Pump | 2 H.P. | 2 H.P. | 3 H.P. | 3 H.P. |
| Cooling Pump | 2 H.P. | 2 H.P. | 3 H.P. | 3 H.P. |
| Compressor | 300 Pound | 300 Pound | 300 Pound | 300 Pound |
| Weight Apx. | 17 Ton | 24 Ton | 35 Ton | 52 Ton |

NUT TAPPING MACHINES (Automatic) Double spindle



FEATURES

ABM TOOLS Automatic Hopper Feed Nut Tapping machines are most economical for Tapping machines or pressed Hex. Nuts of good quality. The machines are designed with best technique and the breaking of taps are app. eliminated.

SPECIFICATION

| Item Code No. | ABM-FM-6456 | ABM-FM-6457 | ABM-FM-6458 | ABM-FM-6459 | ABM-FM-6460 |
|-----------------------|-------------|-------------|-------------|-------------|-------------|
| Size in mm | M 4 | M 6 | M 8 | M 9 | M 10 |
| Size in Inch | 3/16" | 1/4" | 5/16" | 3/8" | 7/16" |
| Production Per Minute | 140 Pcs. | 140 Pcs. | 100 Pcs. | 60 Pcs. | 60 Pcs. |
| Main Motor | 1 H.P. | 2 H.P. | 2 H.P. | 2 H.P. | 2 H.P. |
| Weight Apx. | 250 Kg. | 250 Kg. | 250 Kg. | 250 Kg. | 300 Kg. |

| Item Code No. | ABM-FM-6461 | ABM-FM-6462 | ABM-FM-6463 | ABM-FM-6465 |
|-----------------------|-------------|-------------|-------------|-------------|
| Size in mm | M 12 | M 16 | M 20 | M 24 |
| Size in Inch | 1/2" | 5/8" | 3/4" | 1" |
| Production Per Minute | 40 Pcs. | 30 Pcs. | 30 Pcs. | 30 Pcs. |
| Main Motor | 2 H.P. | 2 H.P. | 3 H.P. | 3 H.P. |
| Weight Apx. | 300 Kg. | 350 Kg. | 350 Kg. | 350 Kg. |

Please note down the Following Features included in our machines

1. Our Machines are provided bronze Plates to reduce wear and tear of the main forging and thread slides.
2. We use Bronze Metal Bushes in Machines.
3. Our machines and their forging and threading slides are made of special graded casting (30 grades) to ensure the stability for long life.
4. Cold forge Header Machine will be provided safety system and avoid damages in case of any accident.
5. Cold Forge header machine is provided special locking system to arrange the straight cutting.
6. All the cranks and shafts made of the special alloy steel.
7. All the cams are made of Die steel (EN 31) and all Rings made of Chromium steel.
8. All the cams are Hard and Tempered to give the long life to the machine.
9. We are using the gear in Trimming and Thread roll to reduce the electricity power consumption and to gain more power.
10. Header and Trimming Machines are provided with double heavy duty wheels to ensure balance movement of crank and shafts and precision forging of bolts and auto parts.
11. Knock-Out system and Bolt locking system being used in Thread Rolling Machine to avoid accident.
12. We are using Richard cams in trimming machine to make change any time to reducing or Hex.
13. Thread rolling machine are heavily constructed and a tie road is provided for high stability.



14. Thread Rolling machines are provided with special stopper to feed the piece one by one, to avoid the accident.
15. We are using Coolant pump to cooling the dies and to remove the Bur in thread rolling.
16. Our entire machines are designed for increased productivity at less operational Cost and Man power.
17. The main Connecting ARM is Adjustable for Length.
18. Our entire machine made of with heavy duty material to ensure long life stability and Performance.

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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