

# **STEEL BALL MAKING PLANT**

**(Automatic, High Speed)**  
**(For Balls MS, SS, Copper, Brass, Bronze, Aluminum)**

- (a) Automatic High Speed Single Stroke Cold Heading Machines
- (b) Ball Flashing Machine
- (c) Ball Grinding Machine
- (d) Ball Lapping Machine

## **SINGLE STROKE COLD HEADING MACHINES** (Automatic, High Speed) (Solid Die) (For Making Balls in Material MS, Stainless Steel, Brass, Copper, Aluminium)



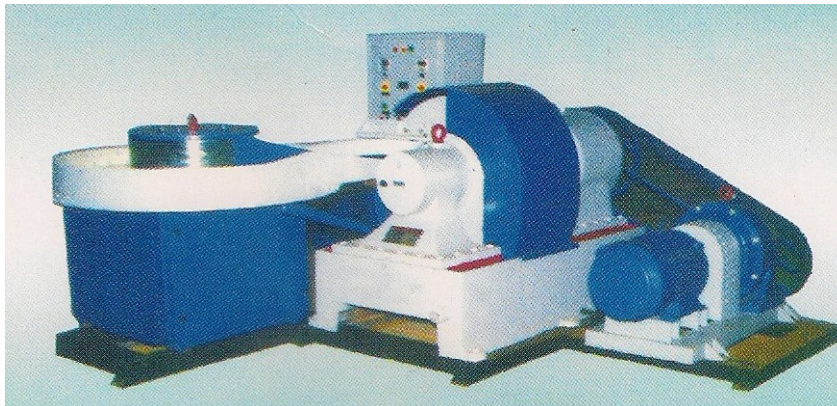
### **FEATURES**

- These cold heading machines are fully automatic and easy to operate with little training, fitted with Solid Die to produce Steel Ball 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 Cams 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.	Steel Ball Dia.	Production Per Minute
ABM-FM-6750	3 mm to 6 mm	200 Pcs.
ABM-FM-6751	4 mm to 8 mm	180 Pcs.
ABM-FM-6752	5 mm to 10 mm	160 Pcs.
ABM-FM-6753	6 mm to 12 mm	130 Pcs.
ABM-FM-6750a	10 mm to 16 mm	110 Pcs.
ABM-FM-6751b	12 mm to 20 mm	90 Pcs.
ABM-FM-6752c	16 mm to 25 mm	70 Pcs.
ABM-FM-6753d	20 mm to 32 mm	60 Pcs.

## BALL FLASHING MACHINE

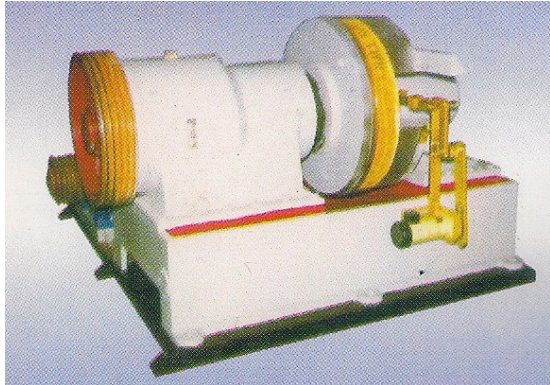


### FEATURES

This is used in the second operation of ball manufacturing process. Maximum stock removal from ball is done by machine with aid of two special cast Iron plated duly hardened and tempered known as gap tool and ring plate. The loading capacity of this machine is 300 kg and the consumption of electricity is 24 Kw technically sound so sound this is made that accuracy level upto  $\pm 15$  microns is achieved from this machine

<b>Item Code No.</b>
ABM-FM-6760

## BALL GRINDING MACHINE



### FEATURES

This machine is used for stock removal of heat treated balls and also to control the ovality and improve good surface finish. The machine consists of one abrasive wheel and one gap plate of alloy cast iron. Also four diamond dressers are used to dress the abrasive wheel. These diamonds automatically dresses the abrasive wheel with a special attachment while grinding machine is working. The loading capacity of this machine is 250 Kgs. And power consumption is 17 HP (with Drive Type of Dyno Drive or Frequency Drive) with 30 KW planetary gear box.

<b>Item Code No.</b>
ABM-FM-6770

## BALL LAPPING MACHINE





## FEATURES

This machine is used in the final operation of Ball manufacturing. In ball lapping not only the super finish is obtained but also the geometrical parameters are controlled for high precision balls. The loading capacity of this machine is 100 Kg. to 200 Kg. In vertical and Horizontal type machine and electricity consumption is 15 HP (with drive type of dyno drive or frequency drive). The tools plates used in this machine are of graded cast Iron. The machine is built up with so advanced technology that the accuracy level upto 0.005 mm

<b>Item Code No.</b>
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ABM-FM-6780
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## ROTARY FURNACE



<b>Item Code No.</b>
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ABM-FM-6780b
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**CONVEYOR**



**CONTROL PANEL**



**OUTLET CHUTE**

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](http://www.abmtools.com)  
[www.abmfasteners.com](http://www.abmfasteners.com)  
 e-mail : [abmtools@gmail.com](mailto:abmtools@gmail.com)  
[sales@abmfasteners.com](mailto:sales@abmfasteners.com)



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