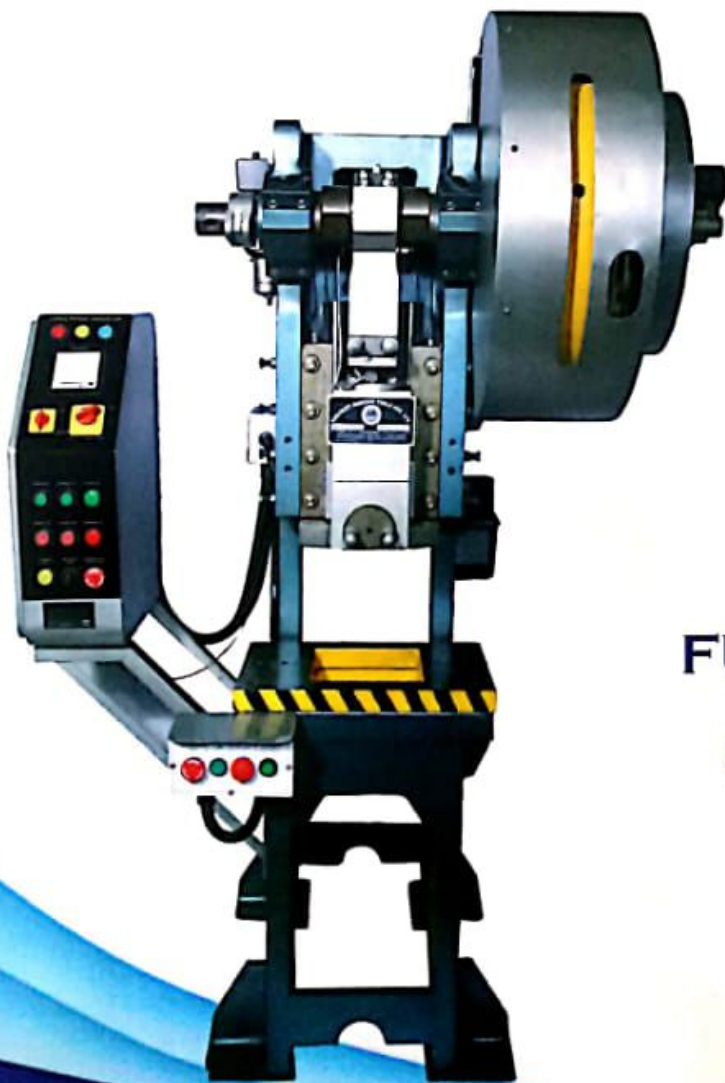




SARSWATI

MACHINE TOOLS PVT. LTD.

FOR P.P. CAPS ALUMINIUM SEAL, CAPLINER SIDE EMBOSSED & CHAMFERED,
SCREW CAPS, LUG CAPS, AND ALL TYPE OF METALLIC CAPS ETC. FOR ALL
PURPOSE 10 TONNE TO 100 TONNE PNEUMATIC CLUTCH OR MECHANICAL
POWER PRESS INCLINABLE OR NON-INCLINABLE



FULLY AUTOMATIC
SEMI AUTOMATIC
MACHINERIES
DIES & TOOLS

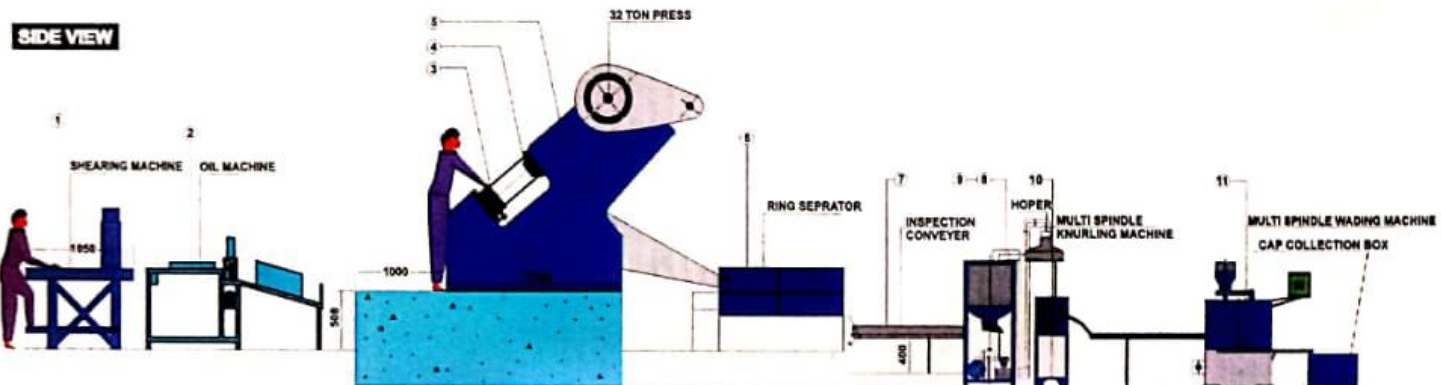
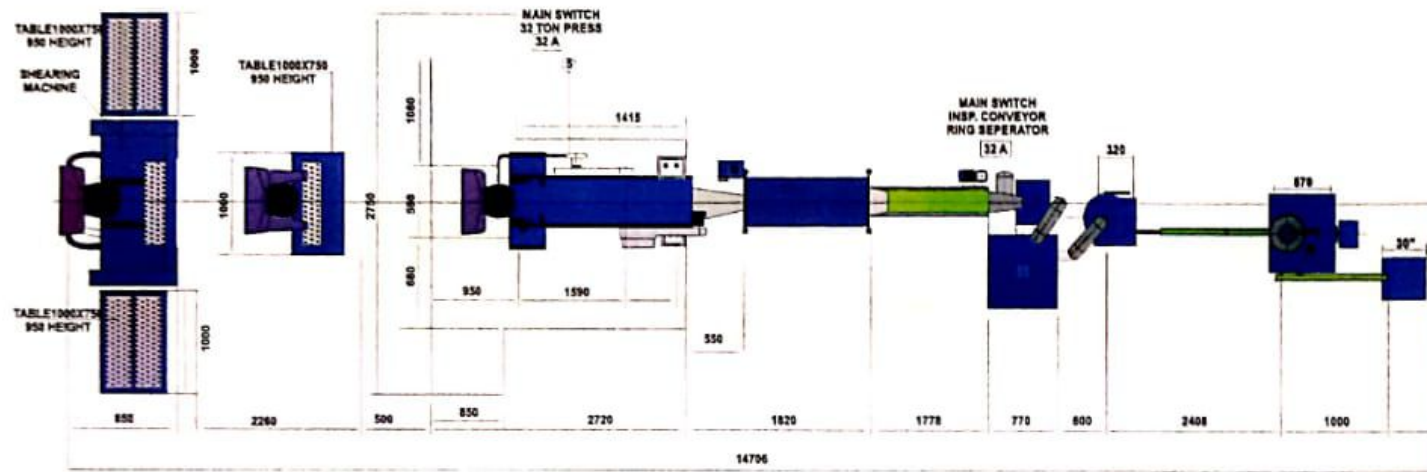
SARSWATI MACHINE TOOLS PVT. LTD.

PPCAP LINE

OUTPUT 2,75,000 CAP/8 HOUR

PPCAP LINE

1	SHEARING MACHINE
2	OIL MACHINE
3	POWER PRESS
4	ROLLFEED ATTACHMENT
5	FIVE CAVITY DIE
6	BLOWER
7	RING SEPRATOR
8	INSPECTION CONVEYER
9	CAP ELEVATOR WITH STORAGE
10	MULTI SPINDLE KNURLING (TRM-VIII)
11	ROTARY WAD M/C (24 SPINDLE)



SHEARING MACHINE

Shearing machine is used to cut the printed sheet quickly and easily with accuracy.

It is fitted with four edge cutting blades and has a capacity of cutting up to 24 gauge of M.S. Plate. The machine is foot operated

Specification	Dimension
Floor Area	1200mm X 1200mm X 1100mm (Approx)
Weight	250 Kg (Approx)



OILING MACHINE

Oiling machine is used to Oil the aluminum sheet for lubrication for smooth punching, Cap from die.

Specification	Dimension
Power	1/2 H.P / 1440 R.P.M
Weight	250 Kg (Approx)



POWER PRESS

Power Press is used to punch the aluminium / tin sheets in the required cap size with the help of the die mounted on it. We manufacture Power Presses of types - Inclinable & non Inclinable.

CONSTRUCTION OF BODY : Whole body is made of resistant steel. Properly sized components are sturdily connected with accurate weld to ensure a rigid structure. All part are specifically machined on precision machines for perfect alignment of guiding surface and ensure long tooling life.

LUBRICATION : Presses are equipped with centralized and one shot lubrication system to all bearing surfaces of side guides, slide face and bed of each press are hand scrapped and provide smooth movement of slide square. Resulting in highly accurate press work extended life of press-tool.

SLIDE AND GUIDE : Heavy duty cast iron slide runs in extra long cast-iron guides and bearing surfaces of slide guides, slide face and bed of each press are hand scrapped and provide smooth movement of slide square resulting in highly accurate press work extended life of press-tool.

PRECISION CRANK SHAFT AND BEARING : Eccentric shaft is made from carbon steel and ground finished bearings surfaces. All main and pitman bearings are of heavy walled Nickel Phosphorous Bronze bushes with hand scrapped.

BOLSTER : As per customer's requirement we made bolster plates are precision ground with T-slots or drilled.

PNEUMATIC FRICTION CLUTCH AND BRAKE : Pneumatic operated presses are supplied with electrical control panel for power on / off of main motor, two hand engagement, once, inches or continuous operation and foot switch.

ROLLING KEY CLUTCH AND BRAKE : We are equipped with double rolling key clutch and components are made from alloy steel properly heat treated to give long trouble free surface

GUARDS : All flywheel and gear guards are heavy weldment conforming to press safety codes.



Specification	Dimension
Tonnage	32 Tons
Ram Adjustment Slides	75 mm
Open Gap Frame	420 mm
Fix Stroke	100 mm
Bed Width	500mm X 635mm
Wheel Size	820 mm
Motor	3 HP
Hole in Ram	50mm X 50mm
No. of strokes per minute	90 to 110
Fixed Inclination	45 degrees or inclinable
Floor Area	1350mm 2200mm X 2200 mm (Approx)
Weight	2500 Kg (Approx)

ROLL FEED ATTACHMENT

Automatic Roll Feed attachment is provided to the press to feed aluminum strips to the die and eject the scarp away. This machine comprises of two pairs of feed roll to push and pull the aluminum strips to the die automatically.

Specification	Range	
Feed of pitch	80mm	100 mm
Width of pitch	175 mm	265 mm
Thickness of strip	0.3 mm	0.3 mm
No of pair of feedrolls	Two	Two
Width of pitch	Chain Drive	Chain Drive
Pitch Accuracy Controlling pilot	0.01mm by Controlling Pilot	0.01 mm of controlling Pilot



DIES

The die is designed to cut, draw and trim the aluminum sheet in one operation. We manufacture dies from single cavity to five cavity depending on the desired production capacity of the customer. All die parts are made from special quality die steel which is properly hardened and ground finished for longer life. The pillar set made from good quality E.N. steel duly stressed, reserved and hand scrapped.

These dies are used for making pilfer proof caps, aluminum seal screw caps, cap liner, pull of cap, Roll-on cap, Lug caps, shoe polish and all type of metallic caps.



AIR BLOWER

Air Blower is used to shift the cap from Power Press to the Ring Separator

Specification	Dimension
Power	1 H.P. /2800 R.P.M



RING SEPARATOR

Ring Separator is basically a rotating drum with slot used to separate the punch caps from scrap ring.

Specification	Dimension
Power	½ H.P. /1440 R.P.M
Floor Area	650mm X 1250mm X 700 mm (Approx)



INSPECTION CONVEYOR

This is specially made belt to manually inspect the caps for any damaged / waste / Non - Uniform caps.

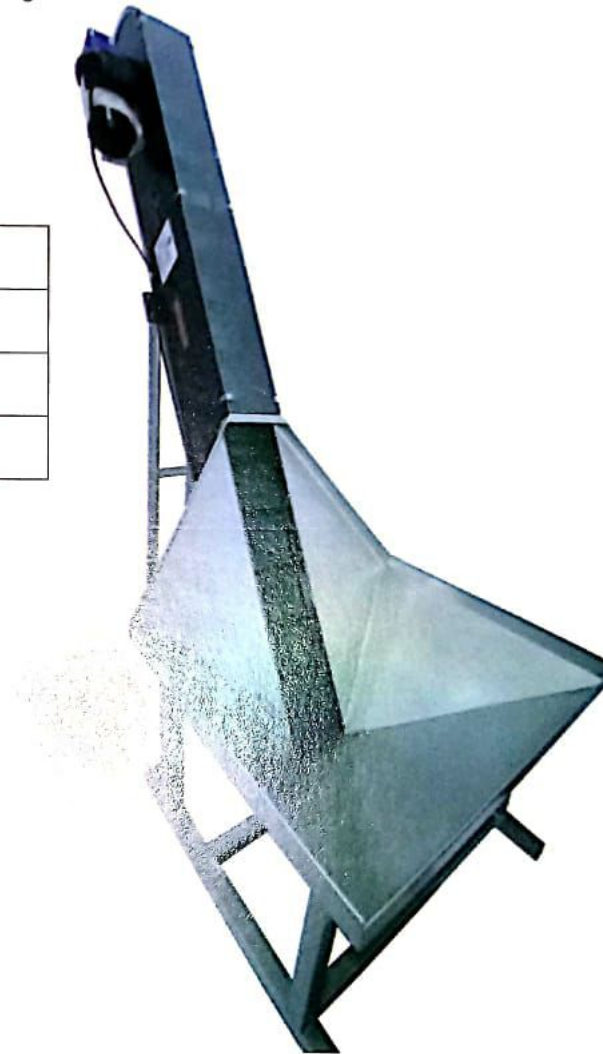
Specification	Dimension
Power	1/2 H.P. / 1440 R.P.M
Floor area	1420mm X 275mm X 500mm
Weight	70 Kg (Approx)



CAP ELEVATOR WITH STORAGE

Cap elevator conveyor belt is used for providing caps from storage to cap feeder device smoothly without any damage

Specification	Dimension
Power	½ H.P. /1440 R.P.M
Floor Area	650mm X 1250mm X 700 mm (Approx)
Storage Capacity	10000 pcs



MULTI SPINDLE KNURLING BEADING & PERFORATING MACHINE

Caps are feed into the machine by feeder device and delivered to a combination tool set. This tool set performs the knurling, beading and perforating operation to the caps.

Parts of the machine such as knurling and perforated cutters can be quickly replaced, without and need to dismantle is controlled by the gear and features straight alignment of the knurling tool, thus ensuring that the cap does not move here and there, Knurling tool fine cuts in gear hob matching with the spindle ratio, resulting in better finish without any overlap on the cap. It also ensures extended tool life. Multi spindle knurling machine is designed for high speed production of caps.

Specification	Dimension
Spindle	8
Output caps / min	500 Pcs.
Weight (Approx)	500 Kg
Floor Area	1015mm X 570mm X 1680mm
Power	2 H.P



WADDING MACHINE

Wedding machine inserts the wads into ready caps. Wads are feed into the Machine with the help of feeder device through vibrating system.

The machine is equipped with suitable electrical panel, Control Panel, Inspection conveyor and digital counter.

Note : Machine is synchronized with knurling machine however it can also be separated.

Specification	Dimension
Operation	24 Head
Power	2 ¾ H.P
Weight	800 kg (Approx)
Floor Area	3300mm X 1150mm X1220 mm



FLIP OFF ASSEMBLY MACHINE

This machine is used to flip-off seals. Aluminum and Plastic cap feeder device feed the both the caps into the machine. First station assembles both caps and 2nd station heats the punches so that the cap is riveted properly. All movable parts of the machine are made by tested bearing steel. The production of 18 head machine is 80,000 caps in 8 Hours.

Specification	Dimension
Power	2 1/2 H.P.
Weight	1500 Kg (Approx)
Floor Area	2290 mm X 1270 mm X 1170 mm





Manufactured & Marketed by :



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