



**Parmar Machines &  
Technologies Pvt. Ltd.**



Manufacturers of :  
**MACHINES &  
DIES FOR TIN  
CONIPAIL  
DRUM  
BARREL  
CONICAL STEEL  
DRUM**

**Vertical Barrel Plant Machinery for 210L  
with Capacity of 900 - 1000 Drums in 8 hours.**  
(Machinery capable to make open top barrels/close top  
barrels/Gooseneck open top barrels)

[www.parmarmachinestech.com](http://www.parmarmachinestech.com)

**Vertical Type Machinery**





**Types of  
steel drums  
produced  
on this  
Machinery**



## **BODY BENDING MACHINE**

**40" width, M.S. Fabricated Body Bending Machine,**

with roller diameter of 75mm.

Machine Power operated with 2 H.P electrical, with a geared drive and having front feeding table Shell knock out system.

All three rollers witted in bronze bush bearings and all rollers having positive drive with vie belts guard and standard accessories complete.



## **20 KVA PRESS TYPE SPOT WELDING MACHINE**

20 KVA Press Type Spot Welding Machine, Model: ARON-20PR100, having throat depth of 1000mm, pneumatically operated, with 'F' class insulated water cooled transformer, Operating on 415 Volts, Single Phase, 50 Hz. (2 lines of 3 phase supply), with water cooled Thyristor and Welder Controller

**Model:** KSP-9.

## **200 KVA LONGITUDINAL TYPE SEAM WELDING MACHINE**

**Model ARON-200/SML-110,**

Pneumatically Operated, having throat depth of 1100mm, with 'F' class insulated water cooled transformer, Operating on 415 Volts, Single Phase, 50 Hz. (2 lines of 3 phase supply),

Incorporating A.C. Motor and Drive, Plate fabricated suitably stiffened arms on steel structure, with water cooled Thyristor, with Micro Controller based Welder Controller,

**Model:** KBD-11

Key Board operator interface with display and Fifteen easy to program weld schedules.



## PRESS TYPE FLANGING MACHINE



**Vertical Press Type Flanging Machine** for Barrels with a 5 H.P. Hydraulic power pack and hydraulic Accessories. Machine made of sturdy M.S. plates construction and hydraulic cylinder fitted on top of machine and connected to flanging die dishes through guide bush assembly and four nos. sturdy M.S. shafts or pillars in between the two plates to make the machine very heavy and rigid in construction. Machine operated vide panel control system and electrical accessories. Machine provided with two nos, triple seam dies and one open top die dish, complete with standard Accessories.

SPECIFICATIONS	SPECIFICATIONS
<b>CYCLE TIME:</b> 13-14 SECONDS 5 BARRELS/MIN	<b>DIMENSIONS:</b> 4FT X 5FT X 7FT
<b>MAXIMUM LENGTH:</b> 40"	<b>WEIGHT:</b> 1TON
<b>MATERIAL USED:</b> MS/CASTING/WPS	<b>PANEL:</b> SIMENS
<b>HYDRAULIC CYLINDER:</b> 6"X12" STROKE	<b>POWER PACK:</b> YUKEN

## DOUBLE BEAD EXPANDER

Double Bead Expander machine, M.S. fabricated and hydraulically operated vide 5 H.P. hydraulic Power pack system and accessories. Machine operated vide panel control system and electrical Accessories. Bead dies are segmented and duly hardened. Segments expanded through cones Connected to cylinder through guide bush assembly and retracted through spring system. Machine making double bead (corrugation) on Barrel body in one operation. Complete with standard accessories.



SPECIFICATIONS	SPECIFICATIONS
<b>CYCLE TIME:</b> 13-14 SEC. 5 BARRELS/MIN	<b>DIMENSIONS:</b> 6FT X 3FT X 5FT
<b>MAXIMUM LENGTH BARREL :</b> 40"	<b>WEIGHT:</b> 1.5 TON
<b>MATERIAL USED:</b> MS/CASTING/WPS/EN-9	<b>BUSHINGS:</b> GUNMETAL
<b>HYDRAULIC OIL TANK:</b> 200L	<b>HYDRAULIC CYLINDER:</b> 6"X4" STROKE
<b>CONTROL PANEL:</b> P/1440 SIEMENS	<b>MOTOR:</b> 5HP/1440 RPM/HINDUSTAN
<b>POWER PACK:</b> YUKEN 5 HP	<b>MAN POWER:</b> 1

## MULTIPLE CORRUGATION MACHINE

Where in two-side corrugation on Barrel body done in one operation, Machine M.S. fabricated, power operated with 5 H.P. electrical. Machine is pneumatically operated with one adjustable gauge plate and one set multiple corrugation dies duly hardened. Ram System in the machine is operated vide pneumatic cylinder, guide shaft assembly and shaft assembly. Machine is driven through gear assembly. Ram moves up and down and is parallel to lower shaft, complete F.R.L. unit, foot valve for engaging barrel and ejection with standard accessories complete. Machine will be fitted with timer and solenoid system to avoid overlaps on the barrel.



SPECIFICATIONS	SPECIFICATIONS
<b>CYCLE TIME:</b> 6 BARRELS/MIN	<b>DIMENSIONS:</b> 4FT X 3FT X 5FT
<b>MAXIMUM LENGTH BARREL :</b> 40"	<b>WEIGHT:</b> 1TON
<b>MATERIAL USED:</b> MS/CASTING/WPS/EN-9	<b>BUSHINGS:</b> GUNMETAL
<b>MAN POWER:</b> 1	<b>PNEUMATIC CYLINDER:</b> 6"X3" STROKE
	<b>MOTOR:</b> 5HP/1440 RPM/HINDUSTAN

## MULTIPLE CORRUGATION / W BEADING MACHINE



Multiple corrugation machine and beading machine, where in two side corrugation and beading on Barrel body done in one operation, Machine M.S. fabricated with 20mm plates, power operated with 10 H.P. motor, electrical. Machine is pneumatically operated with two heavy duty pneumatic cylinders 15" x 3" stroke, one adjustable gauge plate with 3nos. adjustable guide rollers, one set multiple corrugation dies and one set beading dies duly hardened and hard chromed. Ram System in the machine is operated vide pneumatic cylinders, guide shaft assembly and shaft assembly. Machine is driven through heavy duty gear assembly. Ram moves up and down and is parallel to lower shaft, machine is operated via timer controlled control panel complete F.R.L. unit, for engaging barrel and ejection with standard accessories complete. Machine will be fitted with timer and solenoid system to avoid overlaps on the barrel.

SPECIFICATIONS	SPECIFICATIONS
<b>CYCLE TIME:</b> 8 SEC. - 4 BARRELS/MIN	<b>DIMENSIONS:</b> 5FT X 3FT X 5.5FT
<b>MAXIMUM LENGTH BARREL :</b> 40"	<b>WEIGHT:</b> 1.5TON(APPROX) 20MM PLATES
<b>MATERIAL USED:</b> MS/CASTING/WPS/EN-9	<b>BEARINGS:</b> SKF/URB/GUNMETAL BUSH
<b>MAN POWER:</b> 1	<b>PNEUMATIC CYLINDER FOR RAM:</b> 15" X 3" STROKE
<b>TIMER CONTROL PANEL:</b> SIEMENS	<b>MOTOR:</b> 10H.P/1440 RPM/HINDUSTAN MOTORS
<b>CORRUGATION DIES:</b> WPS HARDENED & HARD CHROMED 3 AND 4 CORRUGATION	<b>BEADING DIES:</b> WPS HARDENED AND HARD CHROMED. 40MM WITDH BEAD AT MIN 580MM BODY DIA

## TOP AND BOTTOM LID SEAMING MACHINE

**Vertical Single Ended Barrel Seaming Machine**, power operated with 15 H.P Electrical. Machine M.S. fabricated and pneumatically operated with F.R.L. unit & pneumatic accessories. Fitted with one seaming chuck duly hard faced and one set seaming rollers duly hardened. Machine having a M.S. Fabricated table working on dove tail and screw system for height adjustments for shell, fitted with a pneumatic clutch and brake assembly Operated vide panel control system. Machine suitable to seam both double seam and triple Seam Barrels in max 1.6 mm thickness sheet. Complete with standard fittings.



SPECIFICATIONS	SPECIFICATIONS
<b>CYCLE TIME:</b> 15 SEC. 5 BARRELS/MIN	<b>DIMENSIONS:</b> 5FT X 4FT X 8FT
<b>MAXIMUM LENGTH BARREL :</b> 40"	<b>WEIGHT:</b> 3 TON
<b>MATERIAL USED:</b> MS/CASTING/WPS/EN-9	<b>PNEUMATIC CYLINDER FOR TABLE:</b> 6"X3" STROKE
<b>MAN POWER :</b> 1	<b>MOTOR:</b> 15HP/1440 RPM/HINDUSTAN
<b>CONTROL PANEL:</b> SIEMENS	<b>BEARINGS:</b> SKF/URB
<b>SEAMING ROLLERS:</b> TRIPLE SEAM / DOUBLE SEAM IN WPSD2	<b>SEAMING CHUCK:</b> EN-9 MATERIAL HARDENED

## AUTOMATIC BARREL LEAKAGE TESTING MACHINE



Barrel leakage testing machine, MS fabricated Pneumatically operated with control panel, roto seal, pressure gauge and pneumatic accessories, having two heads rubberized (ONE SIDE) pneumatically operated and one operated via screw and nut system, with barrel centering roller system. The barrel rotates with reduction gear box of 3 HP system drive one of the rotating testing columns will be operated via chain and sprocket system and water tray for water collection. while the testing is done to check for any leakages with soap water or loss in pressure on pressure gauge, complete with standard accessories. Operating cycle is 14 seconds, maximum diameter 575mm maximum length 40inches.

SPECIFICATIONS	SPECIFICATIONS
<b>CYCLE TIME:</b> 12 SEC. 5 BARRELS/MIN	<b>DIMENSIONS:</b> 5FT X 4FT X 5FT
<b>MAXIMUM LENGTH BARREL :</b> 40"	<b>WEIGHT:</b> 1 TON
<b>MATERIAL USED:</b> MS/CASTING/EN-9	<b>PNEUMATIC CYLINDER FOR TABLE:</b>
<b>MAN POWER :</b> 1	12"X4" STROKE
<b>CONTROL PANEL:</b> SIEMENS	<b>MOTOR:</b> 5HP REDUCTION
<b>RUBBERIZED HEADS</b>	<b>BEARINGS:</b> SKF/URB

## PRE CURLING MACHINE WITH COMPOUND GUN

Pre Curling machine, to pre curl top and bottom lids of Barrel for triple seam. Machine M.S, Fabricated and having two Nos. geared motors, one to drive the chuck spindle and one to drive the cam assembly. One geared motor is 5 H.P. and the other 2 H.P respectively. Machine having a pneumatic clutch and brake assembly and operated vide panel control system and accessories Lid to be manually inserted in machine after which the machine pre curls the lid and ejects it as the machine is sloped. Complete with one set roller duly hardened and standard fittings. Seaming compound ejection is monitored through control panel for application of seaming compound on lids to avoid leakage before seaming process.



SPECIFICATIONS	SPECIFICATIONS
<b>OUTPUT:</b> 12 LIDS/MIN	<b>DIMENSIONS:</b> 4FT X 4FT
<b>CAPACITY:</b> 1.6MM SHEETS	<b>CONSTRUCTION:</b> MS
<b>POWER:</b> 3HP STANDARD 1440RPM AND 3HP GEARED, HINDUSTAN	<b>MAN POWER:</b> 1
<b>BEARING:</b> SKF/URB	<b>WEIGHT:</b> 1 TON
<b>MATERIAL USED:</b> MS/CASTING/WPS/EN-9	<b>PRE CURL ROLLERS:</b> WPS MATERIAL

## 2" & 3/4" BUNG OPENING

2" & 3/4 " Bung Opening Die set in tandem pillar die set fittings the cutting material will be of WPSD2 hardened and ground for maximum life of the cutting and opening punches, complete. (Die to make Opening for bungs, this die will be fitted on the 75 Tons press).



## 2" & 3/4" BUNG FITTING

2" & 3/4 " Bung Fitting Die set in tandem pillar die set fittings the curling punch material will be of WPSD2 hardened and ground for maximum life of the curling punch. (Die to Fit / Curl bungs on Top Lids, this die will be fitted on the 75 Tons press).



## DIES (TOP & BOTTOM LID FORMING)



**CLOSED TOP BARREL LIDS** : 570mm Top & Bottom Cutting and Embossing Die Set, consisting of top cutting punch and ejector Buffer, pressure ring, forming block and spring assembly and cutting ring fitted in pillar die set, Complete WPSD2 NON SEGMENTED. (Die to make Top & Bottom Lids from sheet upto 0.8mm-1.6mm, this die will be fitted on the 200 Tons press).



**OPEN TOP BARREL LIDS** : 570mm Top & Bottom Cutting and Embossing Die Set, consisting of top cutting punch and ejector Buffer, pressure ring, forming block and spring assembly and cutting ring fitted in pillar die set, Complete WPSD2 NON SEGMENTED. (Die to make Top & Bottom Lids from sheet upto 0.8mm-1.6mm, this die will be fitted on the 200 Tons press).



**OPENTOP GOOSENECK BARREL LIDS** : 550mm Top & Bottom Cutting and Embossing Die Set, consisting of top cutting punch and ejector Buffer, pressure ring, forming block and spring assembly and cutting ring fitted in pillar die set, Complete WPSD2 NON SEGMENTED. (Die to make Top & Bottom Lids from sheet upto 0.8mm-1.6mm, this die will be fitted on the 200 Tons press).



## 75 TON POWER PRESSES

75 tons Power Press, inclinable, geared driven. Power operated with 5 H.P electrical. Machine M.S. Fabricated and having an adjustable ram system and fitted with a mechanical rolling Key clutch system. Machine suitable to fit tandem bung die set, complete with standard Fittings.

SPECIFICATIONS	SPECIFICATIONS
<b>TYPE:</b> AUTOMATIC	<b>TABLE SIZE:</b> 530X580MM
<b>CAPACITY:</b> 75 TONS /ON DIES (1.6MM SHEETS)	<b>DISTANCE TO RAM:</b> 38MM
<b>OPERATION:</b> CONTROL PANEL	<b>STROKE LENGTH:</b> 100MM
<b>CONSTRUCTION:</b> MS	<b>RPM:</b> 1440RPM.
<b>POWER :</b> 15 H.P	<b>BORE IN TABLE:</b> 175MM
<b>MAN POWER:</b> 1	<b>SHUT HEIGHT:</b> 250MM
<b>OUTPUT:</b> 35-40 STROKES/MIN	<b>PULLEY SIZE:</b> 150MM

## MECHANICAL 200 TON POWER PRESS

200 tons Power Press "H" Frame. Pillar type of sturdy M.S, fabrication, power operated with 15 H.P. Electrical. Machine geared driven and having an adjustable stroke ram's system. Fitted Mechanical rolling clutch system, suitable to fit top and bottom lid die set complete with vie belts, guards and standard accessories.

SPECIFICATIONS	SPECIFICATIONS
<b>TYPE:</b> AUTOMATIC	<b>TABLE SIZE:</b> 810X810MM
<b>CAPACITY:</b> 200 TONS /ON DIES (1.6MM SHEETS)	<b>DISTANCE TO RAM:</b> 450MM
<b>OPERATION:</b> CONTROL PANEL	<b>STROKE LENGTH:</b> 150MM
<b>CONSTRUCTION:</b> MS	<b>RPM:</b> 1440RPM.
<b>POWER :</b> 15 H.P	<b>BORE IN TABLE:</b> 250MM
<b>MAN POWER:</b> 1	<b>SHUT HEIGHT:</b> 300MM
<b>OUTPUT:</b> 35-40 STROKES/MIN	<b>PULLEY SIZE:</b> 150MM



**AUTOMATIC PAINTING EQUIPMENT**



Vertical Automatic Airless Spray Painting Equipment for 200 Letter. Barrel, Max. Complete with facility for three colors at a time. Only outside painting for three color- 250 nos, two color -300 and one color – 350 Vertical Four Stage Walking beam for Tight Head & open mouth barrel with chain conveyor. Electro-pneumatic panel complete for conveyor, variable speed, sensors & operator pendants. Vertical automatic airless Lansing equipment for 200l. Open mouth barrel per hour 200. (For Open Mouth Barrel only). Water Curtain Pressurized Paint Booth for Four Stage system

**AUTOMATIC AIRLESS LANSING**

Horizontal Automatic Airless Lansing Equipment for 200 Ltr. open mouth bottom closed barrel and Shell with inside Epoxy Painting system capacity Max. 150 Nos. per hour. Dry Back Type Paint Booth Single Suction (For Shell and open mouth.) Dummy Water Wall Barrel cover Airless painting system for Top Barrel Cover Coating System for Bottom Pneumatic Cover Rotating Arrangement Dry Back Type Paint Booth (For Top/Bottom cover painting)

**PAINTING BOOTH MACHINE WITH EXHAUSTER SYSTEM**



M.S. Fabricated paint booth for MS 210ltr barrel with a horizontal rotary spinner adjustable type on which the barrel will be placed for painting process with a 1H.P. motor reduction gear box drive for adjustable rotary spinner. Machine has a 5H.P. exhauster system for suction of excess paint in booth while spraying. Water tray giving below to collect excessive paint. Machine is also fitted with barrel auto ejection system for ejecting barrel after painting process is complete. Machine fitted with standard pneumatic and electric accessories.

**TRAVELLING HEAT OVEN**



- a) Automatic Temperature controller with indicators.
- b) Inter – Lock switch: This switch shall inter – lock with flame scanner in case the circulation fan is not switched to the `ON` the Gas supply shall automatically by to the Burner.
- c) Gas Burner: We shall supply Imported Gas Burner.
- d) Electrical: Includes all necessary motors as 7.50 HP for air circulation. Doll starter for lower HP motors and Star Delta Starters for 7.50 HP motors along with temperature controller will be fitted to the control panel.

SPECIFICATIONS	SPECIFICATIONS
TOTAL LENGTH OF OVEN : 60 FEET.	TYPE OF HEATING : DIRECT
OUTPUT : 6 TO 8 BARRELS / MIN	FUEL ENERGY: GAS
LOADING ZONE : 05 FEET.	HOT AIR SUPPLY: FROM BOTTOM DUCTING
OVENTUNNEL HEATING ZONE : 50 FEET.	OVEN CROSS SECTION : TO SUIT SINGLE ROW VERTICAL
UNLOADING ZONE : 05 FEET.	CONVEYING OF BARREL : 1000 MM X 600 MM.
MIN & MAX TEMPERATURE:100C TO 250C.	

## GOOZNECK NECKING MACHINE ( GOOSENECK OPEN TOP BARREL)



Gooseneck necking machine, M.S. Fabricated, gear-driven with a 5 H.P. motor. The machine is single-ended and capable off doing necking up to 25mm adjustable from 570mm to 550mm as per your size. Machine is pneumatically operated with via control panel system (full operation automatic) FRL unit and pneumatic accessories. Dies in the machine are fitted on the outer side with guide rollers on the gauge plate and an additional rotary supporting dish pneumatically operated to hold the barrel shell on the opposite side of the operation side. Complete with standard fittings and accessories.

SPECIFICATIONS	SPECIFICATIONS
<b>CYCLE TIME:</b> 30 SECONDS - 2 BARRELS/MIN	<b>WEIGHT:</b> 800 KG
<b>MAXIMUM LENGTH BARREL:</b> 40 INCHES	<b>BEARINGS:</b> SKF/ URB
<b>MATERIAL USED:</b> M.S/CASTING/WPS/EN-9	<b>PNEUMATIC CYCLINDER FORTABLE:</b> 6" X 3" STROKE AJUSTABLE
<b>MAN POWER:</b> 1	<b>MOTOR:</b> 5H.P/1440 RPM
<b>CONSTRUCTION:</b> MS	
<b>DIE:</b> GOOSENECK NECKING DIE UPTO 25MM - 35MM NECKING (ADJUSTABLE)	

## De-COILING & STRAIGHTNER



**STRAIGHTER MACHINE** Roll: 9 Nos.

Materials: EN-31

Hardness: 45 to 50

Dimension: 125mm

Length: 1850mm

Gear Box: 8" Centre, 1:30 Ratio

10 H.P. 1440 RPM Motor With

A.C. Drive Cut-to-Auto System Panel

B) Conveyor System with Stand & Gear Motor.

**DE-COILER WITH HYDRAULIC SYSTEM** Cap 10 Tons

Width 1550mm working

**HYDRAULIC SHEARING MACHINE**

6Feet Length cutting capacity 0.3mm to 3mm Sheets.





**HYDRAULIC AUTO SHEARING MACHINE**



**STRAIGHTENER FOR DE COILING**



**MANUAL SHEARING MACHINE**



**SHEET EDGE GRINDER MACHINE**



**Parmar Machines & Technologies Pvt. Ltd.**

Manufacturers of: PLANTS & DIES FOR CONIPAIL | DRUM | BARREL | CONICAL STEEL DRUM

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