

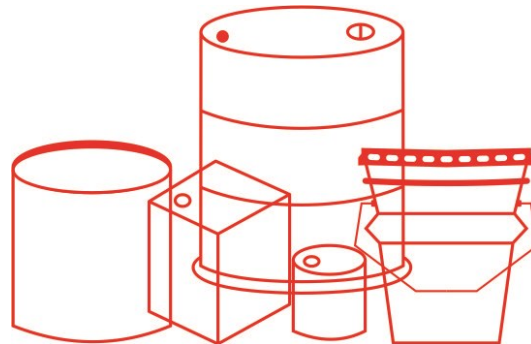


PARMAR MACHINES & TECHNOLOGIES

**MANUFACTURER OF PLANT & DIES FOR:
TIN, CONIPAIL, DRUM, BARREL**

PRODUCT BROCHURE

Drum Plant Machineries for 20 to 25 Liters Drums



MACHINERY IN LINE AS PER PRODUCTION FLOW

1. SHEARING MACHINE

2. BODY BENDING MACHINE

3. DRUM BODY EXPANDER FORM 20LTRS-30LTRS

4. MULTIPLE CORRUGATION

5. HORIZONTAL FLANGING STACKABLE

**6. "F" TYPE FLANGING AND STACKABLE
MACHINE**

**7. HORIZONTAL DOUBLE ENDED SEAMING
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SEAMING MACHINE VERTICAL SEAMER**

9. DIES

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11. 100MM MOUTH OPENING

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**14. 2" BUNG PIERCING & BUNG FITTING
DIE SET**

15. PAINT BOOTH WITH EXHAUSTER SYSTEM

SHEARING MACHINE

A 4-foot Guillotine Shearing machine, power-operated with a 3 H.P. electrical shearing under crank drive, geared and having a maximum cutting capacity of 1mm thickness sheet. The machine has a mechanical sheet clamber, front and back gauges, and a four-edged cutting blade set duly hardened and ground complete.

SPECIFICATIONS

| | |
|--|---|
| CYCLE TIME: 40 STROKE PER MIN | MATERIAL USED: M.S/CASTING/WPS/EN-9 |
| POWER: 3HP HINDUSTAN MOTOR | BEARINGS: SKF/ URB |
| WEIGHT: 300KG | MAN POWER: 1 |
| CUTTING BLADE: WPS D-2 HARDNESS: 60-62RC | |



BODY BENDING MACHINE

A 24-inch width body bending machine, power-operated with a 2 H.P. electrical motor, Pedestal model, and M.S. Fabricated with gear drive. The machine is fitted with a feeding gauge and a shell knock-out system. All shafts are housed in bush bearings and have individual settings, complete with standard accessories.

SPECIFICATIONS

| | |
|--|--|
| CYCLE TIME: 5 SECONDS 30 SHELLS/MIN | MATERIAL USED: M.S/CASTING/WPS/EN-9 |
| POWER: 2HP HINDUSTAN MOTOR | BEARINGS: SKF/ URB |
| WEIGHT: 150KG | MAN POWER: 1 |
| SHAFT SIZE: 50MM X 24" | |



DRUM BODY EXPANDER FORM 20LTRS-30LTRS

Drum body expander machine, hydraulically operated with a 7.5 H.P. power pack and hydraulic accessories. The machine has 2/4/16 segments expanded through a taper cone/taper nut system for conical expanding & normal drum expander system connected to the hydraulic cylinder through a bush system and retracted through an internal spring system. Segments are duly hard-chromed, segment assembly fitted on a sturdy M.S. fabricated stand. The machine is vertical, and the drum shell is to be fed manually into the machine. The machine is operated via a panel control system, electrical, and hydraulic accessories, complete with standard fittings and accessories.

SPECIFICATIONS

| | |
|---|-------------------------------------|
| CYCLE TIME: 2 SECONDS 8 SHELLS/MIN | HYDRAULIC: YUKEN MAKE |
| POWER: 5 H.P HINDUSTAN MOTOR | BEARINGS: SKF/ URB/ GUNMETAL |
| WEIGHT: 350KG | MAN POWER: 1 |
| CONTROL PANEL: SIMENS | OIL TANK: 200LTRS |



MULTIPLE CORRUGATION

Double-ended heavy-duty Multiple corrugation machine, power-operated with 3 H.P. electrical. Machine M.S. Fabricated and geared-driven with one set of dies duly hardened. Machine fitted with a gauge plate and guide rolls. Machine pneumatically operated via F.R.L. Unit, foot valve, and pneumatic accessories complete with standard fittings. Maximum and minimum height of drum from 10” to 20”.

SPECIFICATIONS

| | |
|---|--|
| CYCLE TIME: 5 SECONDS 8 SHELLS/MIN | MATERIAL USED: M.S/CASTING/WPS/EN-9 |
| POWER: 3HP HINDUSTAN MOTOR | BEARINGS: SKF/ URB/ GUNMETAL |
| WEIGHT: 600KG | MAN POWER: 1 |
| CONTROL PANEL: SIMENS | OIL TANK: 200LTRS |



HORIZONTAL FLANGING STACKABLE

Double-ended horizontal heavy-duty flanging cum stackable machine, power-operated with 3 H.P. electrical. Machine M.S. Fabricated and geared-driven with one set of dies duly hardened. Two arms, which are pneumatically operated, complete the flanging and stackable operation. Machine pneumatically operated via a panel control system and pneumatic accessories complete with standard fittings. Maximum and minimum height of drum from 10” to 25”.

SPECIFICATIONS

| | |
|---|--|
| CYCLE TIME: 5 SECONDS 8 SHELLS/MIN | MATERIAL USED: M.S/CASTING/WPS/EN-9 |
| POWER: 3HP HINDUSTAN MOTOR | CONTROL PANEL: SIMENS |
| WEIGHT: 700KG | MAN POWER: 1 |



“F” TYPE FLANGING AND STACKABLE MACHINE

Double-ended heavy-duty flanging cum stackable machine, power-operated with 3 H.P. electrical. Machine M.S. Fabricated and geared-driven with one set of dies duly hardened. Machine fitted with a gauge plate and guide rolls. Machine pneumatically operated via F.R.L. Unit, foot valve, and pneumatic accessories complete with standard fittings. Maximum and minimum height of drum from 10” to 20”.

SPECIFICATIONS

| | |
|---|--|
| CYCLE TIME: 8 SECONDS 8 SHELLS/MIN | MATERIAL USED: M.S/CASTING/WPS/EN-9 |
| POWER: 3HP HINDUSTAN MOTOR | BEARINGS: SKF/ URB/ GUNMETAL |
| WEIGHT: 700KG | MAN POWER: 1 |



HORIZONTAL DOUBLE ENDED SEAMING MACHINE

Semi-automatic, horizontal, double-ended drum seaming machine, power-operated with 5 H.P. electrical. Machine M.S. Fabricated, pneumatically operated with ONE pneumatic cylinder provided for moving the right head. The head fits on the drum for the seaming process to begin and is released after the seaming process is completed with the four hands (first & second operation hands) fitted with CAM system. The machine is suitable for seaming drums from 10" diameter to a maximum of 25" diameter in a maximum 20-gauge thickness sheet. Machine fitted with two seaming chucks and two sets of seaming rollers duly hardened, pneumatic accessories, and complete with standard accessories.

SPECIFICATIONS

| | |
|--|--|
| CYCLE TIME: 6 SECONDS - 10 DRUMS/MIN | DIMENSIONS: 6LX6HX2B FT |
| MAXIMUM LENGTH DRUM: 25' INCHES | WEIGHT: 4 TONS (APPROX) |
| MATERIAL USED: M.S/CASTING/WPS/EN-9 | BEARINGS: SKF/ URB |
| MAN POWER: 1 | PNEUMATIC CYLINDER FOR HEADS: 6X3" STROKE |
| FABRICATED BODY: 16MM | MOTOR: 5H.P/1440 RPM/HINDUSTAN MOTORS |
| SEAMING ROLLERS: DOUBLE SEAM IN WPS D-2 | SEAMING CHUCK: EN-9 MATERIAL HARDENED |
| CONTROL PANEL: SIMENS | |



VERTICAL SINGLE ENDED TOP AND BOTTOM SEAMING MACHINE VERTICAL SEAMER

Semi-automatic, vertical, single-ended drum seaming machine, power-operated with 3 H.P. electrical. Machine M.S. Fabricated and pneumatically operated, suitable for seaming drums from 10" diameter to a maximum of 15" diameter in a maximum 20-gauge thickness sheet. The machine features a table working on dovetails and screw assembly for height adjustments from 11" to a maximum of 26". Machine fitted with one seaming chuck and one set of seaming rollers duly hardened, pneumatic accessories, and complete with standard accessories.

SPECIFICATIONS

| | |
|--|--|
| CYCLE TIME: 10 SECONDS 6 DRUMS/MIN | DIMENSIONS: 3LX6HX4B FT |
| MAXIMUM LENGTH DRUM: 19'INCHES | WEIGHT: 2TONS (APPROX) |
| MATERIAL USED: M.S/CASTING/WPS/EN-9 | BEARINGS: SKF/ URB |
| MAN POWER: 1 | PNEUMATIC CYCLINDER FOR HEADS: 5X3"STROKE |
| FABRICATED BODY: 16mm | MOTOR: 5H.P/1440 RPM/HINDUSTAN MOTORS |
| SEAMING ROLLERS: DOUBLE SEAM IN WPS D-2 | SEAMING CHUCK: EN-9 MATERIAL HARDENED. |



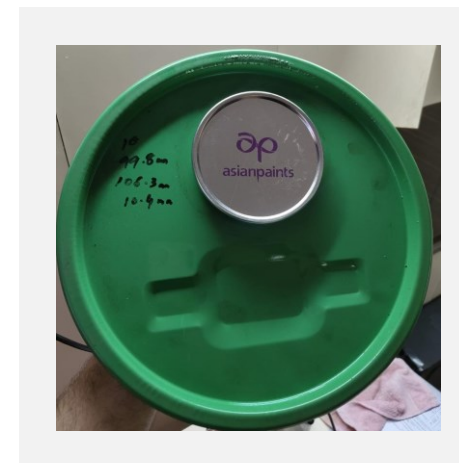
DIES

270mm cutting and embossing die set for 20-liter drums, in pillar die set. Comprising of top cutting ring, buffer pressure plate, pressure ring, cutting ring, and forming block with spring assembly complete.

WPS NON-SEGMENTED. (Die to make Top & Bottom Lids from sheet, this die will be fitted on the 80-Ton press).

SPECIFICATIONS

| | |
|---|-------------------------------|
| HARDNESS: WPS D2 CUTTING RINGS 58-60RC OHNS PILLAR & BUSH 55-58RC | DIMENSIONS: 20X20X50MM |
| CAPACITY: 75 TON PRESS | CONSTRUCTION: MS |
| MATERIAL USED: MS/MAIN DIE PLATES OHNS/PILLAR & SLEEVES WPS D2/ CUTTING PUNCHES. | WEIGHT: 200KILOS |



280 MM CUTTING AND EMBOSSING DIE SET

280mm cutting and embossing die set for 20-liter drums, in pillar die set. Comprising of top cutting ring, buffer pressure plate, pressure ring, cutting ring, and forming block with spring assembly complete.

WPS NON-SEGMENTED. (Die to make Top & Bottom Lids from sheet, this die will be fitted on the 80-Ton press).

SPECIFICATIONS

| | |
|--|-------------------------------|
| HARDNESS: WPS D2 CUTTING RINGS 58-60RC OHNS PILLAR & BUSH 55-58RC | DIMENSIONS: 20X20X50MM |
| CAPACITY: 75 TON PRESS | CONSTRUCTION: MS |
| MATERIAL USED: MS/MAIN DIE PLATES OHNS/PILLAR & SLEEVES WPS D2/ CUTTING PUNCHES. | WEIGHT: 200KILOS |



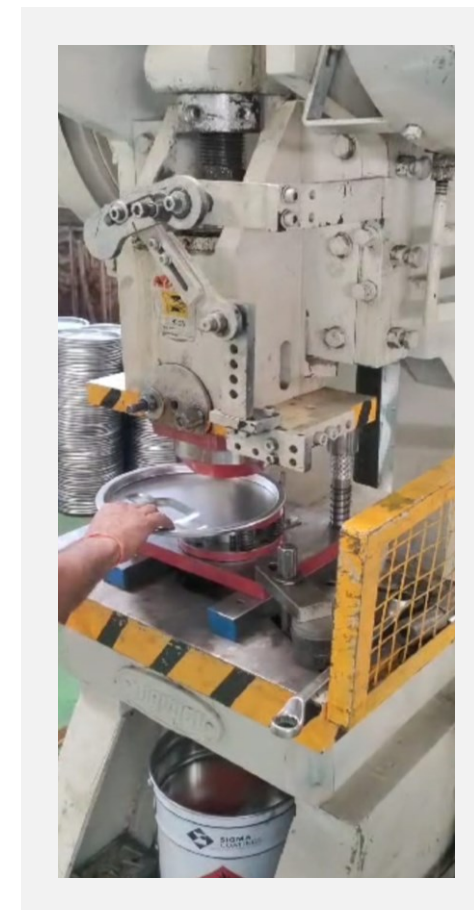
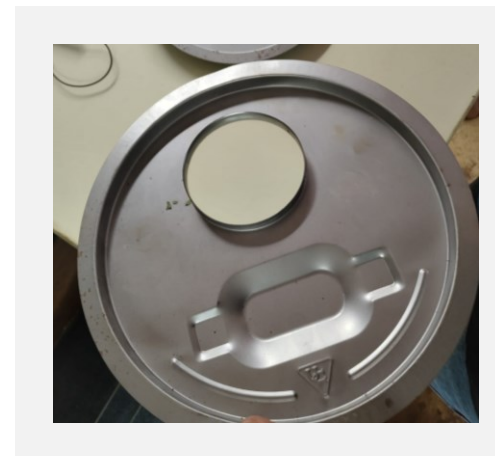
100MM MOUTH OPENING

100mm mouth curling with pillar die set complete.

WPS NON-SEGMENTED. (Dies to make 100mm mouth curling on lids from sheet, this die will be fitted on the 30-Ton press).

SPECIFICATIONS

| | |
|--|-------------------------------|
| HARDNESS: WPS D2 CUTTING PUNCH 58-60RC OHNS PILLAR & BUSH 55-58RC | DIMENSIONS: 20X20X50MM |
| CAPACITY: 30 TON PRESS | CONSTRUCTION: MS |
| MATERIAL USED: MS/MAIN DIE PLATES OHNS/PILLAR & SLEEVES WPS D2/ CUTTING PUNCHES. | WEIGHT: 200KILOS |



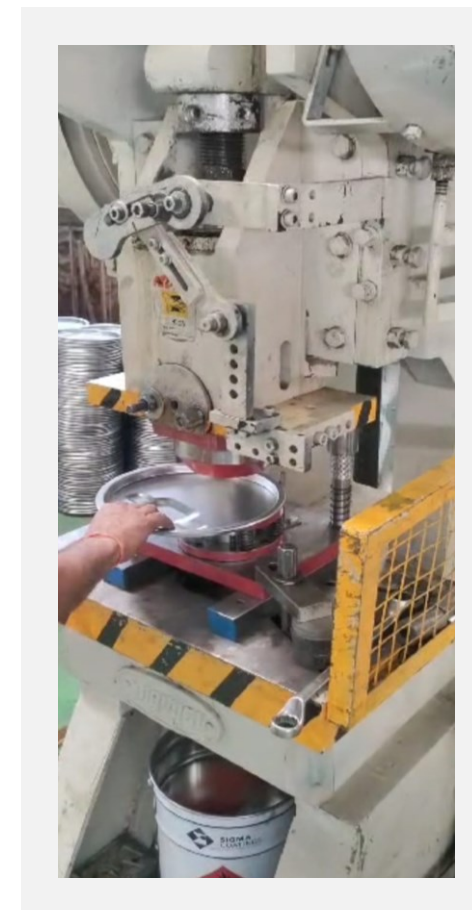
100MM MOUTH CURLING

100mm mouth curling with pillar die set complete.

WPS NON-SEGMENTED. (Dies to make 100mm mouth curling on lids from sheet, this die will be fitted on the 30-Ton press).

SPECIFICATIONS

| | |
|---|-----------------------------|
| HARDNESS: WPS D2 CURLING PUNCH 58-60RC OHNS PILLAR & BUSH 55-58RC | DIMENSIONS: 15X15X40 |
| CAPACITY: 30 TON PRESS | CONSTRUCTION: MS |
| MATERIAL USED: MS/MAIN DIE PLATES OHNS/PILLAR & SLEEVES WPS D2/ CUTTING PUNCHES. | WEIGHT: 55KILOS |



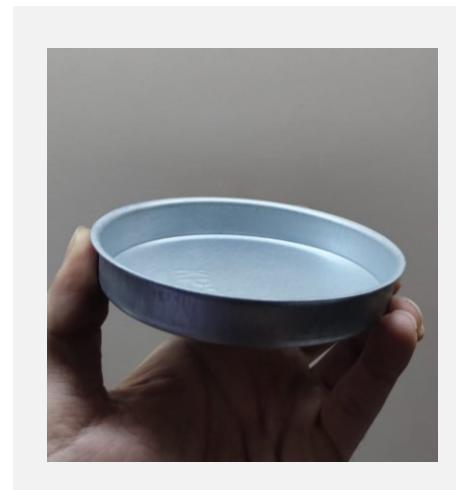
100MM INNER PLUG DIE SET

100mm inner plug die set with pillar die set complete.

WPS NON-SEGMENTED. (Dies to make 100mm inner plug on lids from sheet, this die will be fitted on the 30-Ton press).

SPECIFICATIONS

| | |
|---|-------------------------------|
| HARDNESS: WPS D2 CUTTING PUNCH 58-60RC OHNS PILLAR & BUSH 55-58RC | DIMENSIONS: 15X15X40MM |
| CAPACITY: 30 TON PRESS | CONSTRUCTION: MS |
| MATERIAL USED: MS/MAIN DIE PLATES OHNS/PILLAR & SLEEVES WPS D2/ CUTTING PUNCHES. | WEIGHT: 50KILOS |



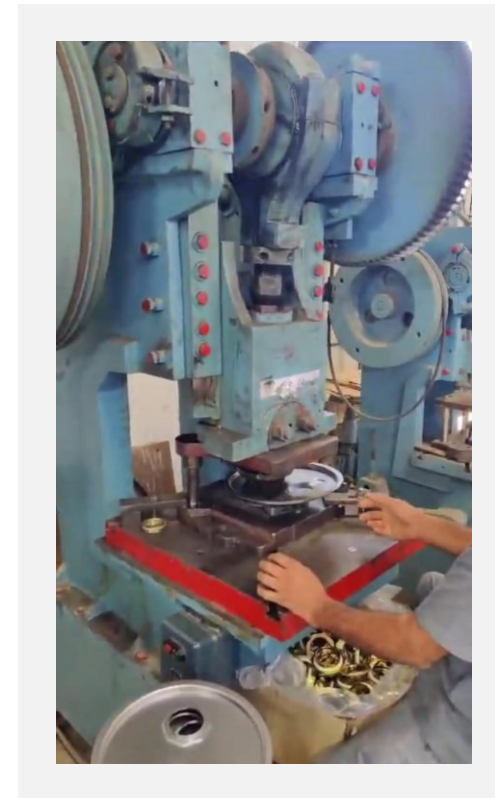
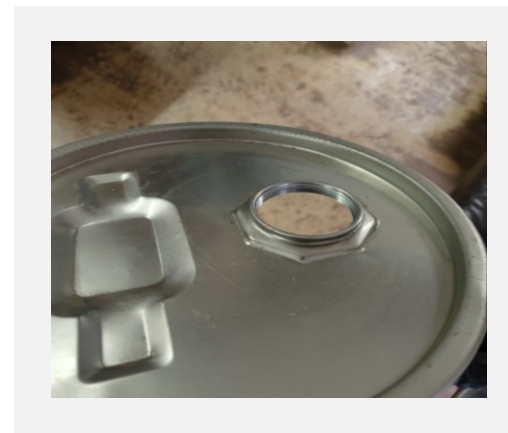
2” BUNG PIERCING AND BUNG FITTING DIE SET

2” bung piercing and bung fitting die set with pillar die set, complete.

WPS NON-SEGMENTED. (Dies to make 2” bung piercing and bung on lids from sheet, this die will be fitted on the 30-Ton press).

SPECIFICATIONS

| | |
|---|-----------------------------|
| HARDNESS: WPS D2 CUTTING RINGS 58-60RC OHNS PILLAR & BUSH 55-58RC | DIMENSIONS: 15X15X40 |
| CAPACITY: 30 TON PRESS | CONSTRUCTION: MS |
| MATERIAL USED: MS/MAIN DIE PLATES OHNS/PILLAR & SLEEVES WPS D2/ CUTTING PUNCHES. | WEIGHT: 50KILOS |



PAINT BOOTH WITH EXHAUSTER SYSTEM

M.S. Fabricated paint booth with a horizontal rotary spinner adjustable type with a 1 H.P. motor and starter and reduction gearbox drive. Machine having a 5 H.P. exhauster system and a water tray below the rotary spinner to collect waste paint. Auto ejector attached to the machine for ejection of drum after painting is complete. Painting done manually. No painting equipment included in the machine.

SPECIFICATIONS

| | |
|---|------------------------------------|
| CYCLE TIME: 15 SECONDS - 4 BARRELS/MIN | DIMENSIONS: 7FTLX8.5FTHX4FT |
| MAXIMUM LENGTH BARREL: 40'INCHES | WEIGHT: 500KILOS (APPROX) |
| MATERIAL USED: M.S/CASTING/WPS/EN-9 | BEARINGS: SKF/ URB |
| MAN POWER: 1 | 5HP EXHAUSTER SYSTEM |
| 1 STARTER FOR EXHAUSTER SYSTEM & 1 STARTER FOR ROTARY SPINNER | MOTOR: 1HP HINDUSTAN MOTORS |

