

- INTRODUCTION TO -

LEADING MANUFACTURES OF BARREL PLANT MACHINERY



RP & SON

SINCE 1980

Shaping the Future of Barrel Manufacturing Since 1980

For over 45 years, RP & Son has been more than a machinery manufacturer—we have been a driving force behind the evolution of barrel production. Since 1980, we have combined engineering expertise, innovation, and uncompromising quality to deliver world-class barrel plant machinery trusted by manufacturers across the globe.

45+ Years of Excellence | Precision Engineered | Trusted Worldwide

SHEARING MACHINE

about this product

FEATURES :

- ~high cutting accuracy*
- ~smooth cutting edge*
- ~heavy duty production*
- ~suitable for ms sheet & cr sheets*
- ~less vibration and noise*

SPECIAL SPECIFICATIONS :

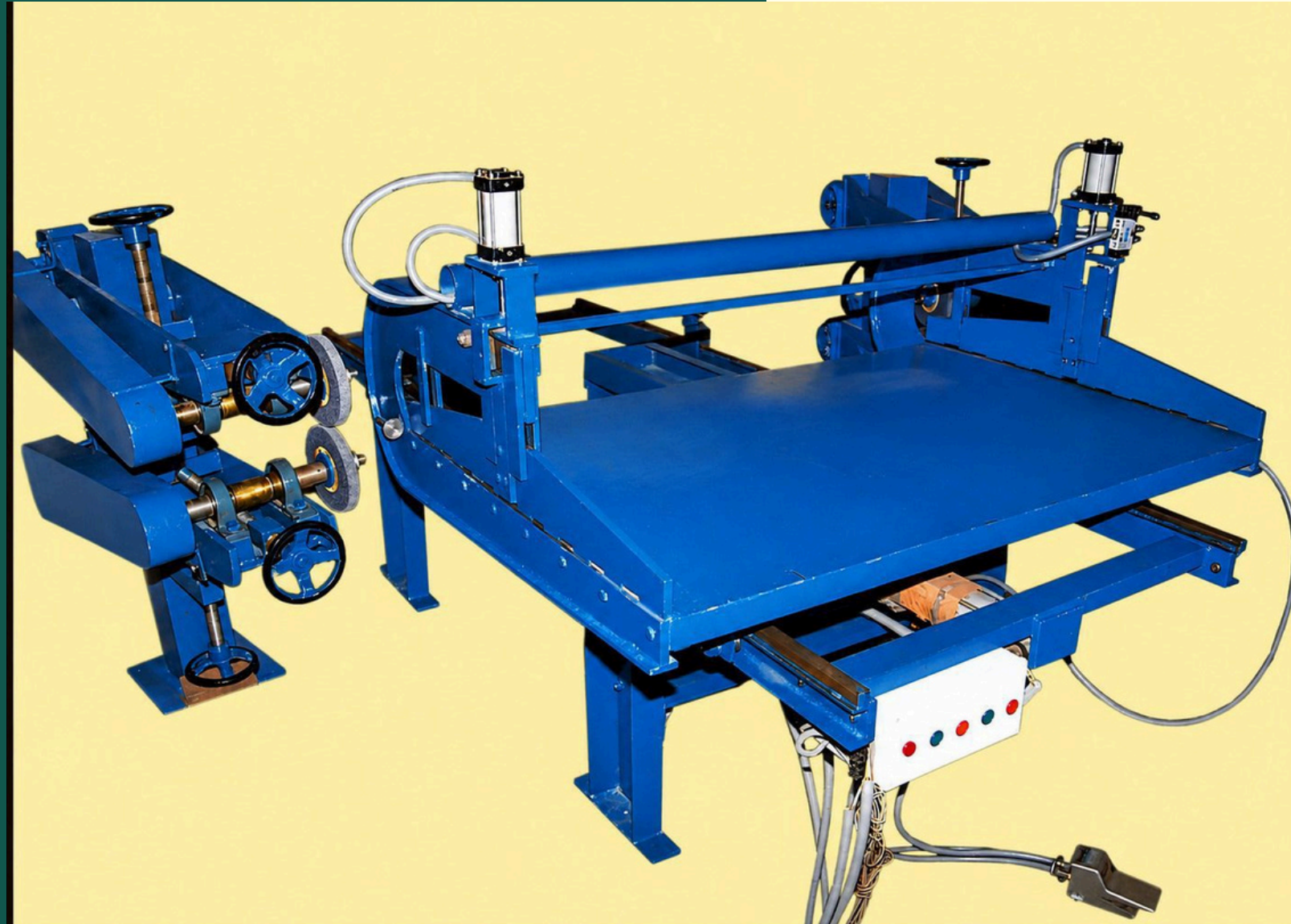
- ~sheet thickness capacity*
- ~cutting length*
- ~hydraulic or mechanical type*
- ~motor power*
- ~blade quality*
- ~automation level*
- ~servo feeder compatibility*



DOUBLE AZE GRINDER

About this product

Double ended twin aze grinding with 8" x 1" emery wheel fitted 4 nos grinding head driven by 4 nos 2 HP motors. The body blank is clamped on the saddle of about 2.5" X 2.5" size 2 air cylinders. One meter by an air cylinder. The machine grinds all the four (2 top & 2 bottom) 36" long aze required before spot & seam welding.



FEATURE

*double grinding wheel
adjustable speed
heavy duty motor
spark protection guard
automatic or manual feeding
suitable for MS and CR sheet*

SPECIFICATION

*motor power - 2H.P
grinding wheel size - 200MM
sheet thickness - 0.9 to 1.6
voltage - 415 V industrial
operation - manual/ semi auto*

BENDING ROLLER

About this product

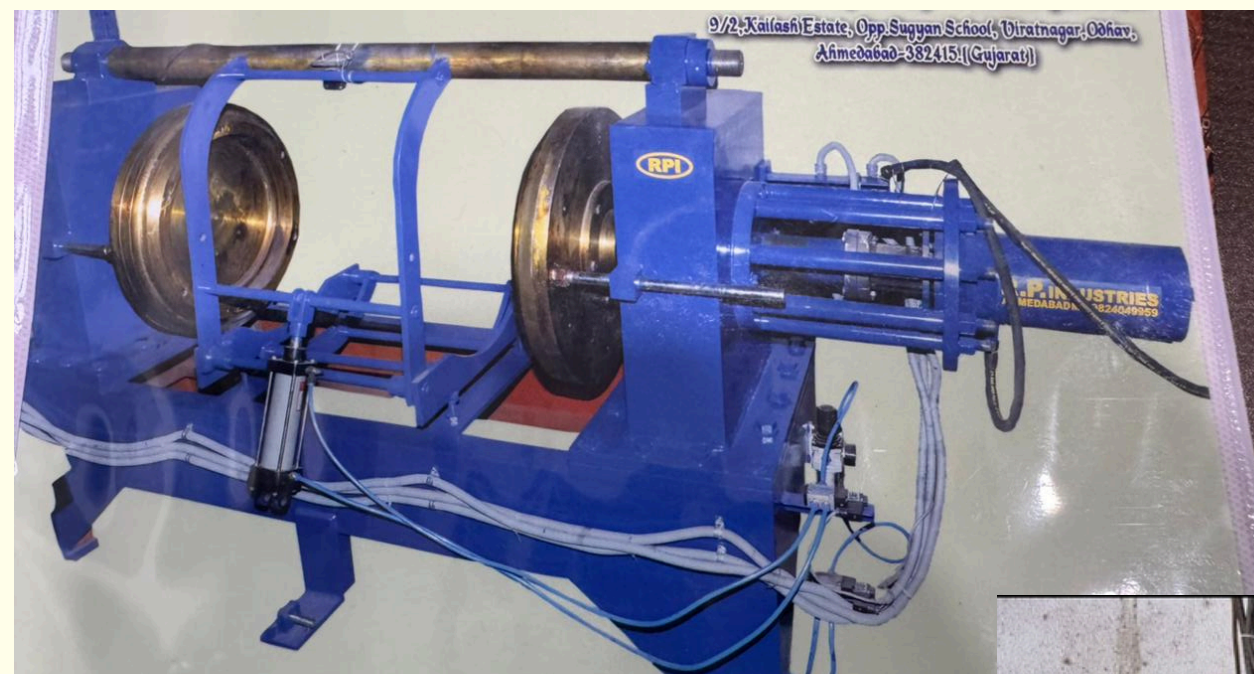
The body rolling machine consists of 3 HP mounted moter. 90 mm diameter roll. 1200 mm widt. 3" OCI hand wheels, gear, flyeheel, starter



FLANGING MACHINE

about this product

Machine (hydraulic) double seam flanging dies-2 nos. On one end driven through hydraulic power pack unit penal. Automatic start stop control of flange 16 gauge thick sheet 7.5 HP power pack.



01. vertical flanger

**Barrel Capacity : 210 -220 L
Material thickness : 0.6-1.5 mm
Drum diameter : 560 to 584 mm
drum height : 880 to 920 mm**

02. single acting horizontal flanger

**Barrel capacity: 200-250 l
Material thickness: 0.6mm-1.5mm
Barrel diameter range: 150-1750mm
Lenth range : 200mm-2000mm
Flange width : < 50mm
Production capacity: 2-5pic per min
Motor power : 5.5-7.5 kW**

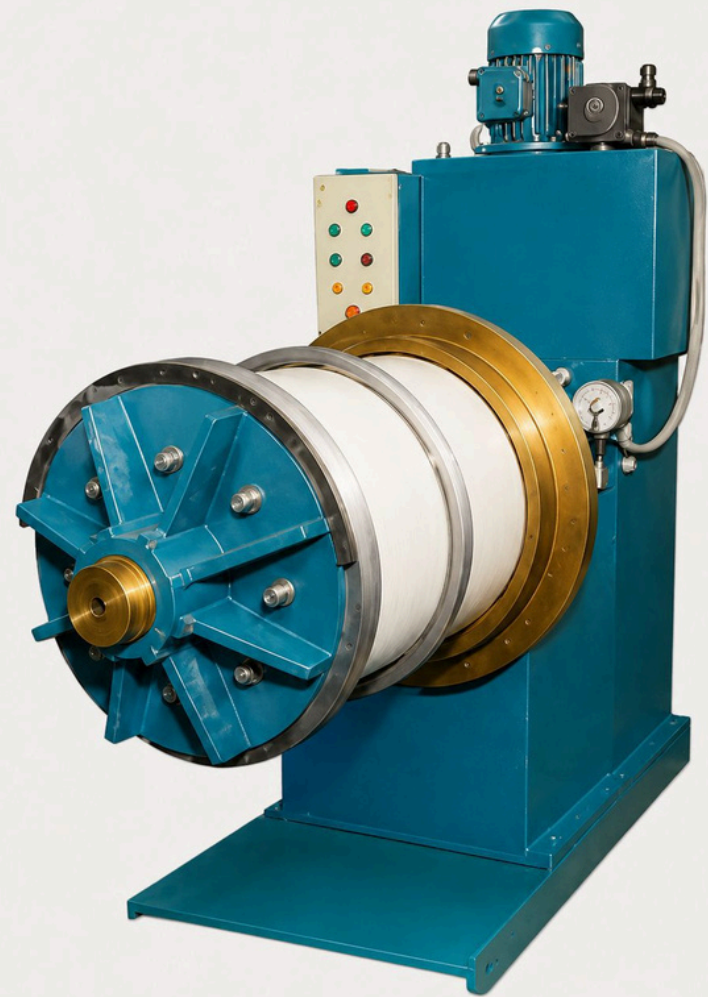
03. double acting horizontal flanger

**~Hydraulic double ended action/bump flanging
~Driver mototr: 7.5 to 10 HP
~Hydraulic pressure: 150-160 bar
~Tooling : 2 nos.high quality, heattreated steel flanging die
~Cycle time : apx 14 sec
~barrel capacity : 210-220 L**

BEADING MACHINE

about this product

Both side beading in one stroke, the expanding action by hydraulic cylinder, M.S. Guide plates. 100 M.S . Shaft case hardened, taper round block, case hardened and chromed with 7.5 HP power pack and panel



03. Trolley type beading machine

- **Production Capacity:** 6 to 12 barrels per minute depending on automation level and conveyor loading times.
- **Barrel Compatibility:** Designed for standard drums (560 mm to 571.5 mm diameter) with adjustable height ranges (e.g., 850 mm to 1050 mm).
- **Material Thickness:** Handles mild steel or stainless steel plate thickness ranging from 0.6 mm to 1.5 mm.
- **Drive System:** Heavy-duty hydraulic cylinders for the expanding and beading action (typically requiring a 7.5 HP to 15 HP hydraulic power pack).
- **Control System:** Fully automatic PLC control with sensors to automatically detect, lift, bead, and lower the drum.
- **Bead Options:** Capable of single, double, or multiple (W-style) corrugations/bead formations in a single stroke.



01. manual barrel beading machine

Barrel Capacity : 200-250 Liters
Material Thickness: 0.6 mm - 1.5 mm (Mild or Cold Rolled Steel)
Barrel Diameter: 560 mm - 571.5 mm
Bead Type: Single or Double Bead (Expander)
Drive System: Hydraulic or Mechanical Gear/Chain
Motor Power : 7.5 kW to 15 kW (Depending on automation level)
Production Speed: 3 to 6 pieces per minute

02. Double acting beading machine

Barrel Capacity: 200 to 250 Liters
Material Thickness: 0.8 mm to 1.5 mm
Bead Profile: Two parallel beads formed simultaneously in one stroke
Die Mechanism: Segmented expandable dies made of duly hardened, heat-treated alloy steel
Drive System: Hydraulic
Hydraulic Power Pack: 15 HP to 20 HP motor
Cycle Time: 12 to 15 seconds per barrel
Production Output: 4 to 6 shells per minute
Control System: PLC-based control panel

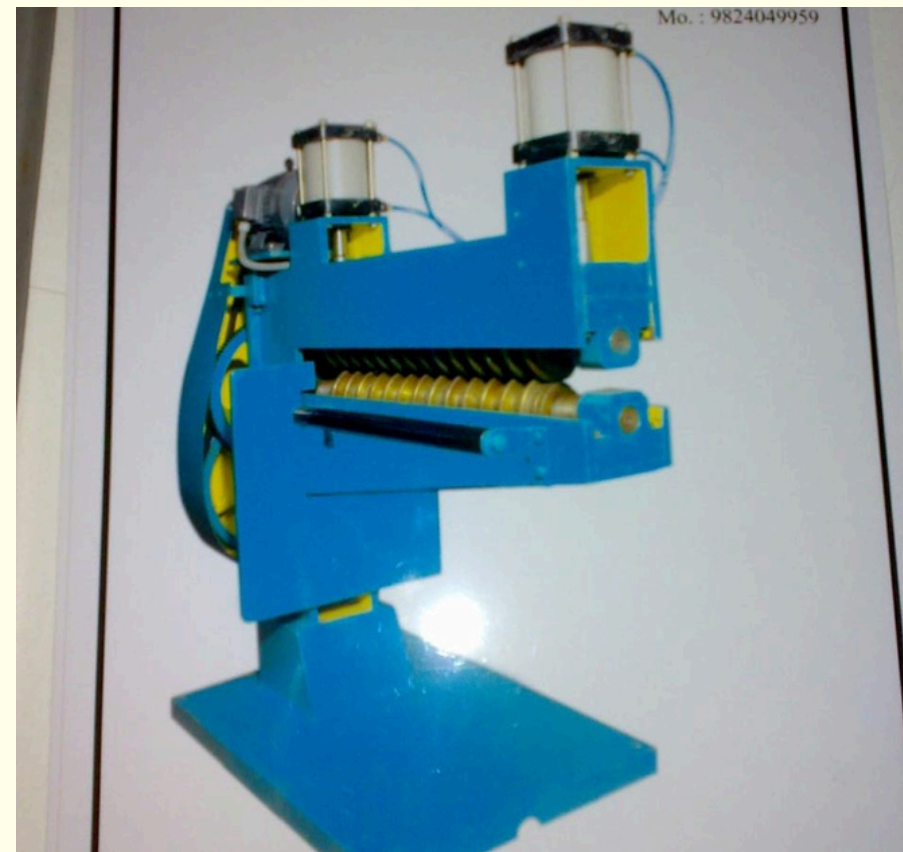
CORRUGATION MACHINE

about this prodduct

Double side corrugation at time for barrels. With 3 HP cylinder 6" X 4" working M. S fabricated body F.R.L.

Type : 1 CORRUGATION MACHINE

- Material Thickness : 0.12 mm - 0.60 mm
- Feeding Width : 600 mm - 1250 mm
- Corrugation Pitch : 76.2 ÷ 1.5 mm
- Corrugation Depth: 18÷1.0mm
- Roller Stations : 2 sets
- Roller Material : 45# Hardened Steel
- Barrel Diameter: 380 mm - 560 mm
- Motor Power: 7.5 HP to 20 HP
- Machine Speed : 3 to 5 meters / minute
- Machine Weight : 5 to 12 Tons



Type : 2

AUTOMATIC TROLLEY CORRUGATION MACHINE

- Parameter : Specification Details
- Material Thickness : 0.6 mm - 1.5 mm
- Drum/Barrel Diameter : 560 - 571.5 mm
- Drive/Motor Power : 15 kW - 55 kW
- No.of Corrugation Rolls : Typically 1 to 5 ridges/beads per cycle
- Production Speed : 6 to 10 pieces per minute
- Automation & Control : PLC-driven auto-feeding, pneumatic holding, and discharge trolley



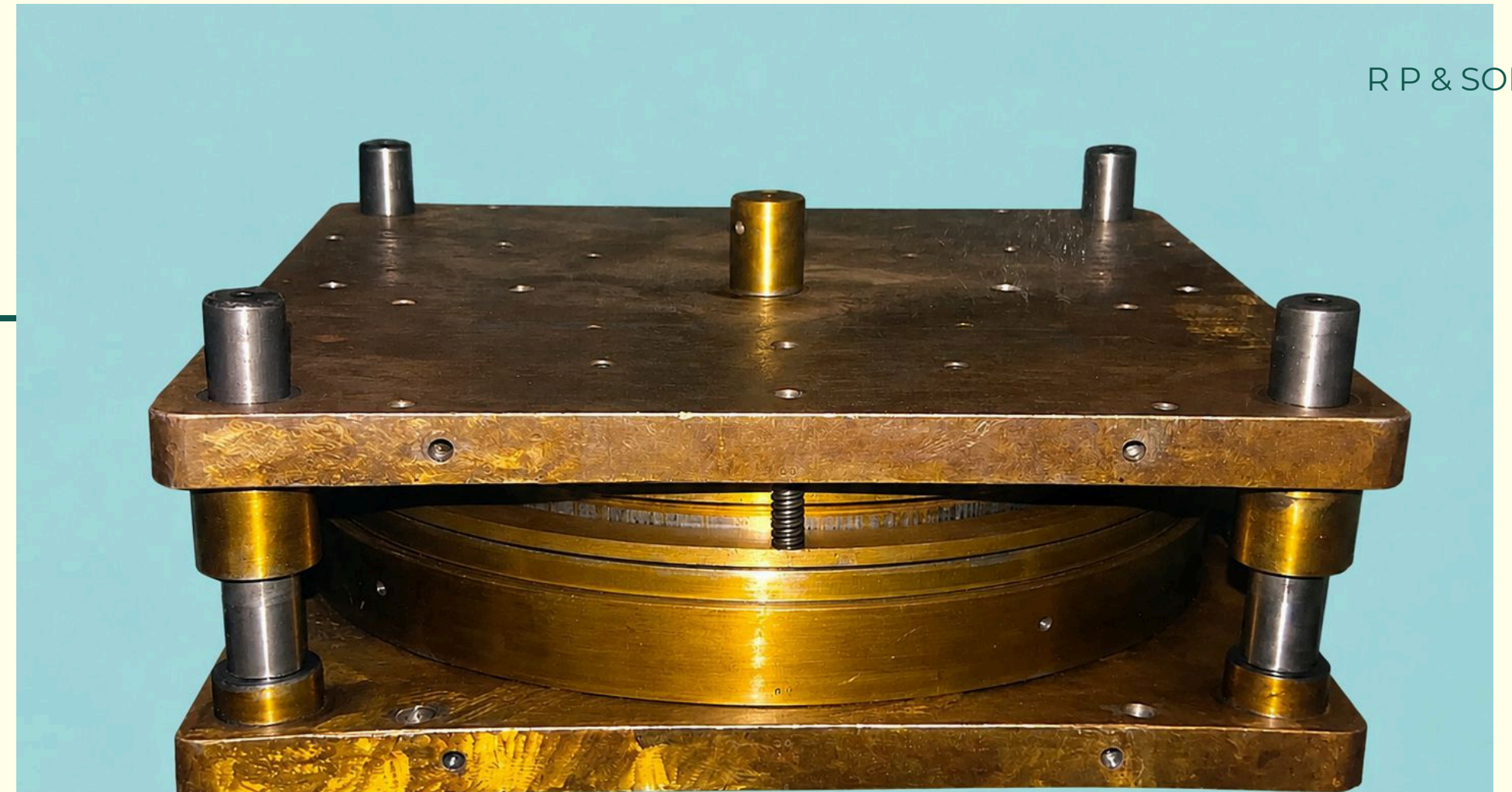
SEAMING MACHINE

about this prodduct

- ~Specification : Standard 210L Barrel Seamer
- ~Material thickness : Up to 1.6 mm
- ~Seaming Capability : Double seam or triple seam operations
- ~Motor Power : 10 HP to 15 HP
- ~Operating Voltage : 220 V - 440 V
- ~Operating Pressure : 0.4 - 0.6 Mpa
- ~Machine Weight : 700 kg - 1200 kg depending on automation grade

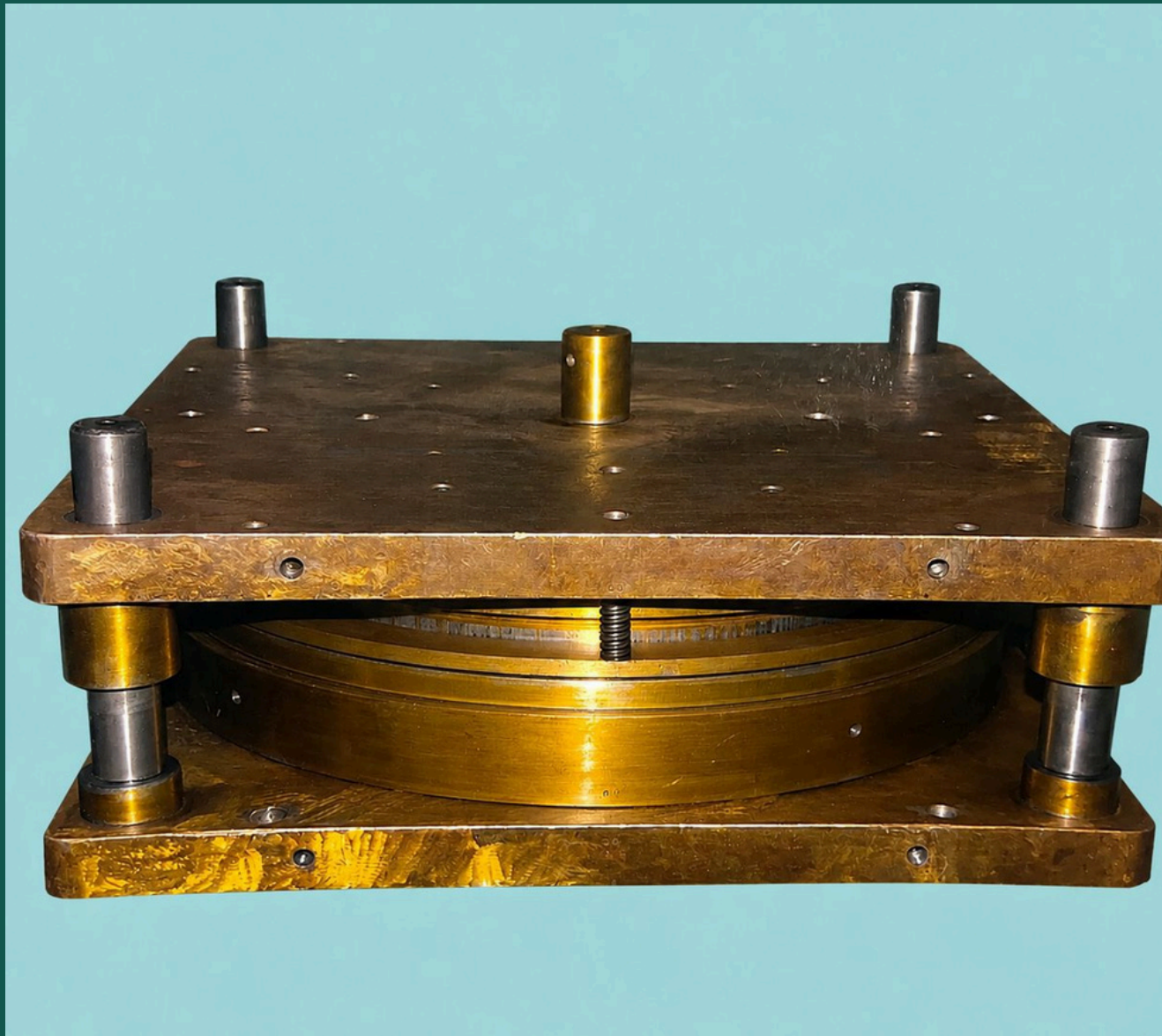


TOP / BOTTOM DIE



about this product

4 pillar tips. 33" X 33" 50 mm thickness M.S top bottom plates, W.P.S segments cutting ring, heavy duty long life square spring.



Top cutting emboss die

about this product

4 pillar Tipe 33' x 33' 50mm Thickness M.S top bottom plates W P S sagment cutting Ring heavy duty lonf life square spring

PRE CURLING MACHINE

about this product

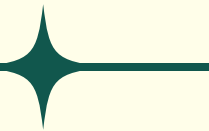
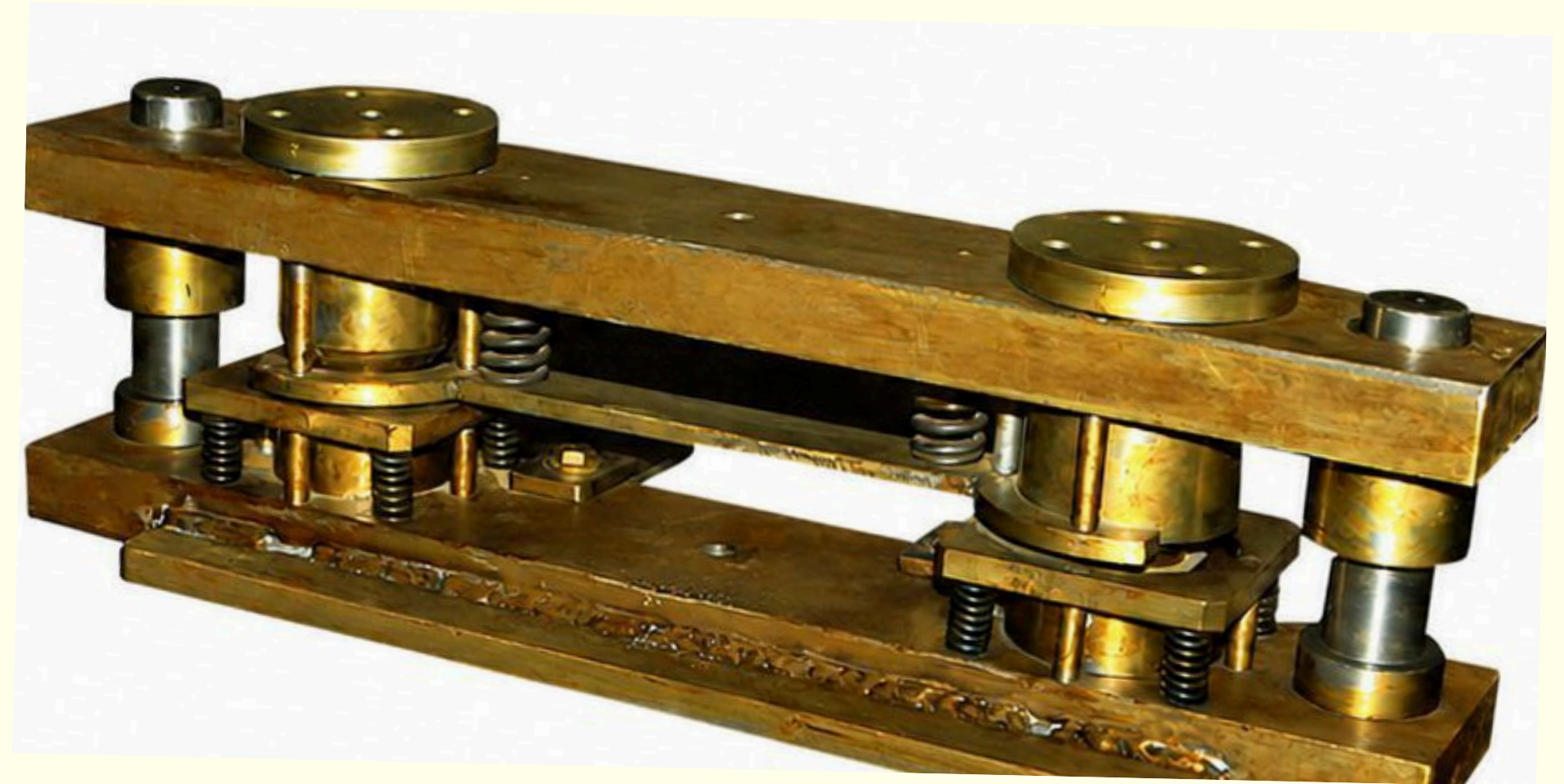
*The Machine Is Fabricated
With M.S Angles & M.S Plates With
Bearings Housing. 3HP & 5HP 2 Gear
Moter Cylinders, Curling Rollers,
Control Penal*



TANDUM DIE

about this product

- ***2" & 3/4" Bung Cutting Embossing Die 2 Piller, 32" X 7" 50 mm Thickness Top Bottom Plates, One time Option. 1 Set 2 Nos.***





TANDUM DIE PRESS

about this product

Two Press Driven One 7.5 HP Power Pack, Control Penal

250 TON PRESS

about this product

- *48" X 34" Bad Size, 180mm Diameter Hydraulics Piston - Rod,*
- *15hp Power Pack And Penal.*



OPTIONAL AUTOMATION SYSTEM

- 1.- Automatic drum production line
- 2.- Semi-automatic plant
- 3.- PLC Control system



R P & SON

THANK YOU!

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REGARDS TO CHANDRESH PARMAR

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