

## Machine specifications

### AUTO PRESS

#### **Hydraulic Auto Coining Embossing Power Press Machine - 100Tons**

Model No. HEPA 100, Tons 100  
Touch Screen Display Control Panel,  
PLC Operating Control Electric Penal,  
with Auto Ejecting System,  
Working Speed 9 to 10 Per minute,  
Useful Stroke: 80mm  
Height Table 125mm,  
Bolster BL: 360X345  
Hard Base Plate,  
Heavy Duty Piston Cylinder,  
Easy One Rotation Die Fixing Clamping and Removing.  
Electric Motor 3HP,  
Oil Tank Capacity 60 Liters,  
Max. Working Pressure 315 Bar.  
Approx. Machine Weight 1110Kgs (First in India)

#### **Hydraulic Auto Coining Embossing Power Press Machine - 150Tons**

Model No. HEPA 150, Tons 150  
Touch Screen Display Control Panel,  
PLC Operating Control Electric Penal,  
with Auto Ejecting System,  
Working Speed 9 to 10 Per minute,  
Useful Stroke: 80mm  
Height Table 125mm,  
Bolster BL: 440X410  
Hard Base Plate,  
Heavy Duty Piston Cylinder,  
Easy One Rotation Die Fixing Clamping and Removing.  
Electric Motor 5HP,  
Oil Tank Capacity 80 Liters,  
Max. Working Pressure 315 Bar.  
Approx. Machine Weight 1720Kgs (First in India)

#### **Hydraulic Auto Coining Embossing Power Press Machine - 200Tons**

Model No. HEPA 200, Tons 200  
Touch Screen Display Control Panel,  
PLC Operating Control Electric Penal,  
with Auto Ejecting System,  
Working Speed 8 to 9 Per minute,  
Useful Stroke: 80mm  
Height Table 140mm,  
Bolster BL: 468X458  
Hard Base Plate,  
Heavy Duty Piston Cylinder,

Easy One Rotation Die Fixing Clamping and Removing.

Accessories Electric Motor 7HP,

Oil Tank Capacity 100 Liters,

Max. Working Pressure 315 Bar.

Approx. Machine Weight 1900Kgs (First in India)

### **Hydraulic Auto Coining Embossing Power Press Machine - 250Tons**

Model No. HEPA 250, Tons 250

Touch Screen Display Control Panel,

PLC Operating Control Electric Penal,

with Auto Ejecting System,

Working Speed 8 to 9 Per minute,

Useful Stroke: 80mm

Height Table 150mm,

Bolster BL: 540X518

Hard Base Plate,

Heavy Duty Piston Cylinder,

Easy One Rotation Die Fixing Clamping and Removing.

Accessories Electric Motor 7HP,

Oil Tank Capacity 150 Liters,

Max. Working Pressure 315 Bar.

Approx. Machine Weight 2510Kgs (First in India)

### **Hydraulic Auto Coining Embossing Power Press Machine - 300Tons**

Model No. HEPA 300, Tons 300

Touch Screen Display Control Panel,

PLC Operating Control Electric Penal,

with Auto Ejecting System,

Working Speed 7 to 8 Per minute,

Useful Stroke: 80mm

Height Table 150mm,

Bolster BL: 630X558

Hard Base Plate,

Heavy Duty Piston Cylinder,

Easy One Rotation Die Fixing Clamping and Removing.

Accessories Electric Motor 10HP,

Oil Tank Capacity 200 Liters,

Max. Working Pressure 315 Bar.

Approx. Machine Weight 3200Kgs (First in India)

### **Hydraulic Auto Coining Embossing Power Press Machine - 350Tons**

Model No. HEPA 350, Tons 350

Touch Screen Display Control Panel,

PLC Operating Control Electric Penal,

with Auto Ejecting System,

Working Speed 7 to 8 Per minute,

Useful Stroke: 100mm

Height Table 150mm,

Bolster BL: 700X600  
Hard Base Plate,  
Heavy Duty Piston Cylinder,  
Easy One Rotation Die Fixing Clamping and Removing.  
Accessories Electric Motor 10HP,  
Oil Tank Capacity 200 Liters,  
Max. Working Pressure 315 Bar.  
Approx. Machine Weight 4350Kgs (First in India)

### **Hydraulic Auto Coining Embossing Power Press Machine - 450Tons**

Model No. HEPA 450, Tons 450  
Touch Screen Display Control Panel,  
PLC Operating Control Electric Penal,  
with Auto Ejecting System,  
Working Speed 5 to 6 Per minute,  
Useful Stroke: 100mm  
Height Table 160mm,  
Bolster BL: 750X655  
Hard Base Plate,  
Heavy Duty Piston Cylinder,  
Easy One Rotation Die Fixing Clamping and Removing.  
Accessories Electric Motor 15HP,  
Oil Tank Capacity 250 Liters,  
Max. Working Pressure 315 Bar.  
Approx. Machine Weight 4600Kgs (First in India)

## **MANUAL PRESS**

### **Hydraulic Manual Coining Embossing Power Press Machine - 100Tons**

Model No. HEP 100, Tons 100  
PLC Operating Control Electric Penal,  
Working Speed 9 to 10 Per minute,  
Useful Stroke: 50mm  
Height Table 125mm,  
Bolster BL: 360X345  
Hard Base Plate,  
Heavy Duty Piston Cylinder,  
Easy One Rotation Die Fixing Clamping and Removing.  
Electric Motor 3HP,  
Oil Tank Capacity 60 Liters,  
Max. Working Pressure 315 Bar.  
Approx. Machine Weight 915Kgs (First in India)

### **Hydraulic Manual Coining Embossing Power Press Machine - 150Tons**

Model No. HEP 150, Tons 150  
PLC Operating Control Electric Penal,  
Working Speed 9 to 10 Per minute,  
Useful Stroke: 50mm  
Height Table 125mm,

Bolster BL: 440X410  
Hard Base Plate,  
Heavy Duty Piston Cylinder,  
Easy One Rotation Die Fixing Clamping and Removing.  
Electric Motor 5HP,  
Oil Tank Capacity 80 Liters,  
Max. Working Pressure 315 Bar.  
Approx. Machine Weight 1425Kgs (First in India)

#### **Hydraulic Manual Coining Embossing Power Press Machine - 200Tons**

Model No. HEP 200, Tons 200  
PLC Operating Control Electric Penal,  
Working Speed 8 to 9 Per minute,  
Useful Stroke: 80mm  
Height Table 140mm,  
Bolster BL: 468X458  
Hard Base Plate,  
Heavy Duty Piston Cylinder,  
Easy One Rotation Die Fixing Clamping and Removing.  
Accessories Electric Motor 7HP,  
Oil Tank Capacity 100 Liters,  
Max. Working Pressure 315 Bar.  
Approx. Machine Weight 1630Kgs (First in India)

#### **Hydraulic Manual Coining Embossing Power Press Machine - 250Tons**

Model No. HEP 250, Tons 250  
PLC Operating Control Electric Penal,  
Working Speed 8 to 9 Per minute,  
Useful Stroke: 80mm  
Height Table 150mm,  
Bolster BL: 540X518  
Hard Base Plate,  
Heavy Duty Piston Cylinder,  
Easy One Rotation Die Fixing Clamping and Removing.  
Accessories Electric Motor 7HP,  
Oil Tank Capacity 150 Liters,  
Max. Working Pressure 315 Bar.  
Approx. Machine Weight 2250Kgs (First in India)

#### **Hydraulic Manual Coining Embossing Power Press Machine - 300Tons**

Model No. HEP 300, Tons 300  
PLC Operating Control Electric Penal,  
Working Speed 7 to 8 Per minute,  
Useful Stroke: 80mm  
Height Table 150mm,  
Bolster BL: 630X558  
Hard Base Plate,  
Heavy Duty Piston Cylinder,  
Easy One Rotation Die Fixing Clamping and Removing.

Accessories Electric Motor 10HP,  
Oil Tank Capacity 200 Liters,  
Max. Working Pressure 315 Bar.  
Approx. Machine Weight 2950Kgs (First in India)

#### **Hydraulic Manual Coining Embossing Power Press Machine - 350Tons**

Model No. HEP 350, Tons 350  
PLC Operating Control Electric Penal,  
Working Speed 7 to 8 Per minute,  
Useful Stroke: 100mm  
Height Table 150mm,  
Bolster BL: 700X600  
Hard Base Plate,  
Heavy Duty Piston Cylinder,  
Easy One Rotation Die Fixing Clamping and Removing.  
Accessories Electric Motor 10HP,  
Oil Tank Capacity 200 Liters,  
Max. Working Pressure 315 Bar.  
Approx. Machine Weight 4200Kgs (First in India)

#### **Hydraulic Manual Coining Embossing Power Press Machine - 450Tons**

Model No. HEP 450, Tons 450  
PLC Operating Control Electric Penal,  
Working Speed 5 to 6 Per minute,  
Useful Stroke: 100mm  
Height Table 160mm,  
Bolster BL: 750X655  
Hard Base Plate,  
Heavy Duty Piston Cylinder,  
Easy One Rotation Die Fixing Clamping and Removing.  
Accessories Electric Motor 15HP,  
Oil Tank Capacity 250 Liters,  
Max. Working Pressure 315 Bar.  
Approx. Machine Weight 4400Kgs (First in India)

## **Hydraulic Coin Blanking Press**

#### **Hydraulic Blanking Cutting Power Press Machine– 12Tons**

Model No. HCP 12, Tons 12  
Faster Blanking Bar & Coin Cutting with Deposit System,  
Max. Working Thrust: 12 Tons  
Max. Working Pressure: 200 Bars  
Useful Stroke: 75mm,  
Working Speed Stroke: 12-14 min  
Oil Tank Capacity: 35Ltrs,  
Safety Sensor System,  
Foot & Inching Operating System  
Electric Motor: 3 HP (440/V)  
Working Speed Per Hours Cutting Pieces 950 to 1000.

Approx Machine Weight 475 Kgs.

Model No. HCP 70, Tons 70  
Faster Blanking Bar & Coin Cutting with Deposit System,  
Max. Working Thrust: 70 Tons  
Max. Working Pressure: 315 Bars  
Useful Stroke: 125mm,  
Working Speed Stroke: 15-16 min  
Oil Tank Capacity: 50Ltrs,  
Safety Sensor System,  
Electric Motor: 5 HP  
Foot & Inching Operating System  
Approx Machine Weight 780 Kgs.

## **STAMPING PRESS**

### **Hydraulic Stamping Press – 15Tons**

Model No. HSP 15, Tons 15  
Max. Working Thrust 15 Tons  
Max. Working Pressure 200 Bars,  
Electric Main Motor 1.5 HP,  
Bolster PL: 350X155  
Useful Stroke 50mm,  
Working Speed Stroke 6 - 8 Min,  
Oil Tank Capacity 7 Liter,  
Weight Approx. 182Kg.

### **Hydraulic Stamping Press Multipurpose – 25Tons**

Model No. HSP 25, Tons 25  
Max. Working Thrust 25 Tons  
Max. Working Pressure 200 Bars,  
Electric Main Motor 2 HP,  
Bolster PL: 215X130  
Useful Stroke 75mm,  
Working Speed Stroke 5 - 7 Min,  
Oil Tank Capacity 20 Liter,  
Weight Approx. 320Kg.

### **Hydraulic Stamping Press Multipurpose – 40Tons**

Model No. HSP 40, Tons 40  
Max. Working Thrust 40Tons  
Max. Working Pressure 315 Bars,  
Electric Main Motor 3 HP,  
Bolster PL: 260X160  
Useful Stroke 75mm,  
Working Speed Stroke 5 - 7 Min,  
Oil Tank Capacity 45 Liter,  
Weight Approx. 415Kg.

### **Hydraulic Stamping Press Multipurpose – 70Tons**

Model No. HSP 70, Tons 70  
Max. Working Thrust 70Tons  
Max. Working Pressure 315 Bars,  
Electric Main Motor 5 HP,  
Bolster PL: 320X200  
Useful Stroke 150mm,  
Working Speed Stroke 4 - 6 Min,  
Oil Tank Capacity 50 Liter,  
Weight Approx. 720Kg.

## **HIGH SPEED DIE CUTTING MACHINE**

### **High Speed Die Cutting Press – 3Tons**

Model No. HSCP 3, Tons 3  
Max. Working Thrust 3Tons  
Max. Working Pressure 150 Bars,  
Electric Main Motor 2 HP,  
Bolster PL: 255X350  
Useful Stroke 80mm,  
Working Speed Stroke 25 - 30 Min,  
Oil Tank Capacity 20 Liter,  
Weight Approx. 215Kg.

### **High Speed Die Cutting Press – 5Tons**

Model No. HSCP 5, Tons 5  
Max. Working Thrust 5Tons  
Max. Working Pressure 150 Bars,  
Electric Main Motor 3 HP,  
Bolster PL: 400X300  
Useful Stroke 80mm,  
Working Speed Stroke 20 - 25 Min,  
Oil Tank Capacity 20 Liter,  
Weight Approx. 260Kg.

### **High Speed Die Cutting Press – 10Tons**

Model No. HSCP 10, Ton 10  
Max. Working Thrust 10 Tons  
Max. Working Pressure 200 Bars,  
Electric Main Motor 2 HP,  
Bolster PL: 350X250  
Useful Stroke 80mm,  
Working Speed Stroke 30 - 40 Min,  
Oil Tank Capacity 20 Liter,  
Weight Approx. 280Kg.

### **High Speed Die Cutting Press – 20Tons**

Model No. HSCP 20, Tons 20  
Max. Working Thrust 20Tons  
Max. Working Pressure 200 Bars,  
Electric Main Motor 3 HP,  
Bolster PL: 420X370  
Useful Stroke 80mm,  
Working Speed Stroke 20 - 33 Min,  
Oil Tank Capacity 30 Liter,  
Weight Approx. 325Kg.

**High Speed Die Cutting Press – 40Tons**

Model No. HSCP 40, Tons 40

Max. Working Thrust 40Tons

Max. Working Pressure 200 Bars,

Electric Main Motor 5 HP,

Bolster PL: 510X450

Useful Stroke 100mm,

Working Speed Stroke 16 - 26 Min,

Oil Tank Capacity 60 Liter,

Weight Approx. 375Kg.

**Wire Drawing Machine****6Pass – Wire Drawing Machine**

Main Motor: 2HP

Cooling Motor: 0.25HP

Max. Wire Diameter (Gauge/mm): 18/1.22

Min. Wire Diameter (Gauge/mm): 36/0.91

Weight: 330Kg

**12Pass – Wire Drawing Machine**

Main Motor: 3HP

Cooling Motor: 0.25HP

Max. Wire Diameter (Gauge/mm): 10/1.29

Min. Wire Diameter (Gauge/mm): 36/0.91

Weight: 370Kg

**Coin Rimming Machine**

Wheel Diameter: 300mm

Coin Diameter Max: 60mm

Coin Diameter Min: 15mm

Revolution: 50 Rpm  
Up-down Adjustment Feeder Ramp for Coin Inward and Outward  
Coin Collecting Box  
Reverse Forward Switch  
Die Tilting Settings with Screw  
Different Size Grooves According to Coin Thickness.  
Machine Weight: 160kg  
Machine Size: 500mm X 400mm  
Electric Motor: 1HP  
Motor Power: 440V, 3 Phase

## **CNC MACHINE**

### **JEWEL CNC**

Working Area - 280 X 240 X 100mm.  
Spindle Motor - 0.8 kW (Air cooled).  
Motor - Micro Step Drive Motor  
Motor Capacity - 4.5nm Holding Torque.  
Drive System - Ball Screw.  
Guide Motion - Linear Motion Rod.  
Max Tool Size - 6mm.  
Working Light - Yes.  
Spindle Speed - 0 to 24000 RPM.  
Machine Accuracy - 0.02mm.  
Repeatability - 0.01 mm.  
Controller - Standalone Controller.  
Power - 220V Single Phase 50/60Hz.  
Machine Weight - 95 KG Approx.  
Machine Dimensions - W - 750, L - 550, H - 600mm.  
Closed Body for Precious Metals Recovery.  
High Speed Machining.  
Software & File Support - Artcam, G-code, Tap etc.  
Rotary Axis (Optional) - For Bangles and Rings.

### **EMBOSS CNC**

Working Area: 250X250X150mm,  
T-slotted Bed Size: 350X350mm,  
Spindle Power: 2.2kW (Air Cooled),  
Spindle RPM: 24000,  
Tool Collet: ER20,  
Max Tool Size: 8mm,  
Motor/Drive: AC Servo Motor System  
Drive System: Ball Screw  
Guide Motion: Linear Motion Guide and Rail.  
Control: DDCS, MASSO & DELTA (Optional)  
Machine Dimension: 750X960X1850mm,

Machine Weight: 600Kgs

Software & File Support: ArtCAM, Gcode, Tap Etc.

### **Model Flatcam-IRIS Series 7Axis CNC – (RAINBOW)**

#### **Technical Details:**

Model Name - Flatcam-**IRIS** series

Special Feature - Add rainbow effect on gold/silver sheets.

Maximum recovery rate.

Number of Axis - 7axis (X, Y, Z, R, R, J, H) 1 2

Design Software - Corel draw. Artcam, Autocad.

Working Area - 100mmx320mm

Sheet thickness - 0.25mm to 2mm

Sheet clamping - Vacuum fixture.

Spindle motors - Vertical: 3.7kw 40000rpm output max.

Horizontal: 400w 6000rpm output max.

Dimension of - L980mm x W980mm x H1600mm (PC cabinet not mentioned)

Machine weight - 650kg. approx.

Power Supply - 3phase/1phase (optional)

#### **Applications:**

3D pendants, Sheet decoration, Interlock pendants.

Flat rings concept designs & Jewellery components.

Bracelets, Interlock earrings.

## **Rolling Machines**

### **6X4 Inch Sheet Rolling Machine**

Model No.: S/1/150

Wheel Drive System,

Roller Width: 150mm,

Roller Diameter: 100mm,

Wire Grooves Sizes: 12-0.8mm,

Roller Speed: 35RPM,

Max. Thickness: 15mm,

Electric Motor: 3.0HP (kW),

Weight: 290 Kg.

### **3X2 Inch Tounch Rolling Machine**

Model No.: T/1/75

Gear Box Operated,

Roller Width: 75mm

Roller Diameter: 52mm,

Roller Speed: 30RPM,

Gap Between Rollers: 8mm,

Motor Power: 1HP,

Machine Approx. Weight: 120Kg.

**Dot Pin Marking Machine**

Marking Area - 6"x4" Inch (150x100mm),

Pin Material - Carbide,

Air Pressure 5 to 6 Bar,

Display - 7" Touch Screen Controller,

with compressor Inbuilt Power Supply - 240V,

Marking depth: up to 0.6 mm.

Marking on materials from soft plastics to hard metals up to 60 HRC.

Marking Texts Data, Geometrical Shapes like Square, Circle, Oval, Rectangle, Capable of Marking Customized logos & Vector Images, all system fonts are supported with special logo fonts.

Maximum pin stroke: Up to 10 mm.

Machine weight approx. 125 Kgs.