

MACHINE BUILDING PRESENTATION

Kaushico

AN ISO 9001:2015 COMPANY



Kaushico

AN ISO 9001:2015 COMPANY

**Experience Robust Design And Unbeatable Value With
Kaushico Power Presses
(The Ultimate Solution For Your Pressing Needs)**



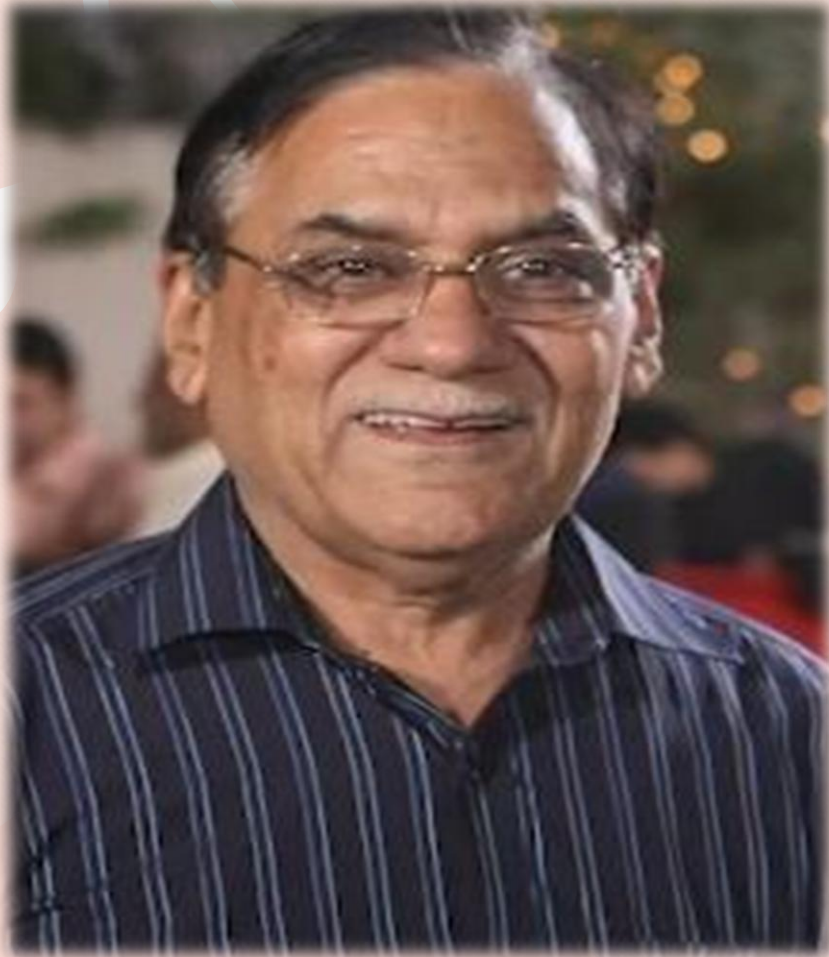


Introduction



Established in 1971, **Kaushico Machine Tools Pvt. Ltd.** has been a leading force in the **mechanical power press manufacturing industry** for over 50 years. As an **ISO 9001:2015 certified company**, we are committed to delivering **precision, durability, and high-performance solutions** for a wide range of industrial applications.

With a strong reputation for **engineering excellence**, Kaushico has built long-standing relationships with some of India's most well-known manufacturers, including **Yamaha, TTK, Havells, Hawkins, JBM Groups, KR Auto Components, Veegee Industrial Enterprises** and so on.



Mr. R.S. Sharma
(Founder & Chairman of the company)



Mr. Mridul Sharma
(Managing Director of the company)

Location

Located at **Plot No. 250, Sector 24, Sohna Road, Faridabad (Haryana – 121005)**, the factory is strategically positioned on the prime **Faridabad–Sohna Highway**, approximately **45 km from Indira Gandhi International Airport**, with a travel time of around **1.5 hours by road or metro**.



OUR PRODUCTS

KCK SERIES	“C” Frame – Cross Shaft, Single Point, Geared/Ungeared Presses - up to 400 Tons
KSF SERIES	Solid Frame (‘H’ Type), Single Point Presses – up to 315 Tons
KCL SERIES	“H” Frame – Mono Block/4 Piece Construction, Single Point/2-Point/4-Point, Eccentric Gear Driven Crankless Presses – up to 1200 Tons
E2M SERIES	“H” Frame – Single Piece Construction, 2-Point, Eccentric Gear Driven Crankless Presses – Up to 630 Tons
KHS & DHS SERIES	“H” Frame – 1 Piece/4 Pieces Construction, High Speed Presses - up to 315 Tons
ESR SERIES	“C” Frame, Left-to-Right Shaft, with adjustable stroke as option, Single Point Suspension, Box type Slide Presses - up to 315 Tons
SR SERIES	“C” Frame – Left to Right Shaft, Single Point Suspension, Geared/Ungeared, Inclinal and Non-Inclinal Presses – up to 250 Tons
SHEARING MACHINES	Over Drive Crank Type with 4 edge Working Blades Shearing Machine with Hydraulic Hold Down Mechanical Back Gauge with DRO

KCK SERIES

“C” Frame – Cross Shaft, Single Point, Geared/Ungeared Presses - up to 400 Tons

Available Models: KCK-10, KCK-16, KCK-25, KCK-40, KCK-63, KCK-80, KCK-100, KCK-125, KCK-160, KCK-200, KCK-250, KCK-315, KCK-400

Capacity Range: 10 to 400 Tons

Note: Technical specifications are subject to change without prior notice.





Standard Accessories – KCK Series Presses

- **PLC Controlled Electrical Panel** (400V, 3-Phase, 50Hz)
- **Main Motor** included
- **Motorized Ram Adjustment** (above 63 Ton models)
- **Pneumatic Solenoid Valve**
- **Automatic Lubrication Pump**
- **Rotor Seal**
- **FRL Unit** (Filter, Regulator & Lubricator)
- **Air Reservoir Tank**
- **Bar Ejection on Slide**
- **Slide Counter Balancer**
- **Hydraulic Overload Safety Device**
- **Air Surge Tank for Counter Balancer**
- **Foot Switch Operation**
- **Foundation Drawing**
- **Instruction Manual**
- **Stroke Counter**

Note: Accessories may vary based on model and configuration.

Safety features for power press

- Hydraulic Overload Protection System (HOLP)
- Overload Protection Devices
- Safety Plc Controller
- Safety Interlocks
- Emergency Stop Buttons
- Precise Slide Adjustment
- Light Curtain For Both Side Of Machine For Safety Of Workmen.
- Auto Lubrication / Grease System
- Dual Sensing Solenoid Valve
- Pneumatic Die Cushion
- Variable Frequency Drive
- Air Pressure Interlocks (Clutch, Balancer, HOL)
- Phase Loss Protection/ Reverse Phase Protection
- Double Stoke Safety Timer

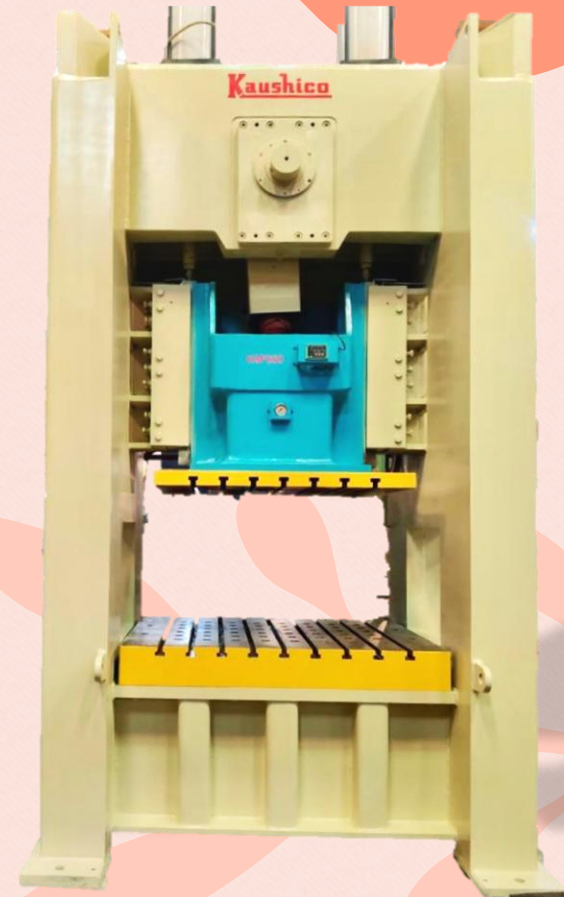
KSF SERIES

Solid Frame ('H' Type), Single Point Presses – up to 315 Tons

Available Models: KSF-80, KSF-100, KSF-125, KSF-160, KSF-200, KSF-250, KSF-315

Capacity Range: 80 to 315 Tons

Note: Technical specifications are subject to change without prior notice.





Standard Features & Attachments

Electrical & Safety

- PLC equipped electrical control panel
 - Hydraulic overload safety device
 - Pressure switches, filters & regulator for clutch, balancers & die cushion
-

Mechanical & Pneumatics

- Pneumatic combined clutch & brake unit
- Electric motor of reputed make
- 2 pneumatic slide counter balancers
- Motorized slide adjustment with brake motor

Lubrication & Control

- Automatic centralized grease pump for lubrication
- 3-position cam limit switch
- Dual sensing solenoid valve with rotor seal
- User-friendly multifunction control system

Construction

- Bolster & slide face with standard "T" slots

Safety features for power press

- Hydraulic Overload Protection System (HOLP)
- Overload Protection Devices
- Safety Plc Controller
- Safety Interlocks
- Emergency Stop Buttons
- Precise Slide Adjustment
- Light Curtain For Both Side Of Machine For Safety Of Workmen.
- Auto Lubrication / Grease System
- Dual Sensing Solenoid Valve
- Pneumatic Die Cushion
- Variable Frequency Drive
- Air Pressure Interlocks (Clutch, Balancer, HOL)
- Phase Loss Protection/ Reverse Phase Protection
- Double Stoke Safety Timer

KCL SERIES

❖ Kaushico KHCL-1 / KCL-1 (Single Suspension Presses)

“H” Frame – Mono Block, Single Point, Eccentric Gear Driven, Crankless Presses – up to 1200 Tons

Available Models: KHCL-1 200–400, KCL-1 500–1000

Capacity Range: 200 to 1000 Tons

Note: Technical specifications are subject to change without prior notice.



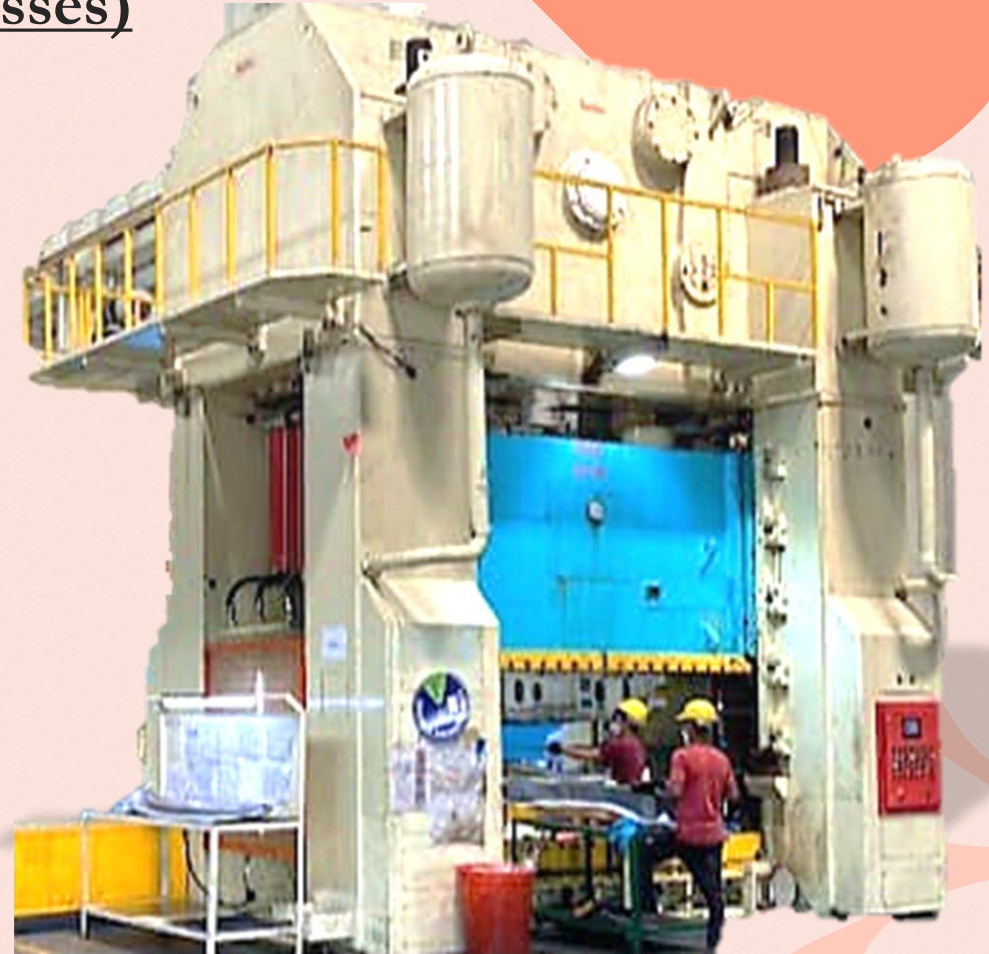
❖ Kaushico KCL-2 (Double Suspension Presses)

**“H” Frame – 4 Piece Construction, 2-Point,
Eccentric Gear Driven Crankless Presses
– up to 1200 Tons**

Available Models: KCL-2 250 to 1000

Capacity Range: 250 to 1000 Tons

Note: Technical specifications are subject to change
without prior notice.



❖ Kaushico KCL-4 (Four Suspension Presses)

**“H” Frame –4 Piece Construction, 4-Point,
Eccentric Gear Driven Crankless Presses
– up to 1200 Tons**

Available Models: KCL-4 315 to 1200

Capacity Range: 315 to 1200 Tons

Note: Technical specifications are subject to change
without prior notice.





Main Features of Kaushico Presses (KHCL / KCL Series)

- Robust Construction:** Flame-cut and welded steel plate frame, CAD-optimized for high rigidity and low stress to minimize distortion.
- Stress Relieved Structure:** Frames and slides are stress-relieved via furnace or vibration; all castings and forgings are annealed and ultrasonically crack-tested.
- High-Quality Materials:** All steel plates conform to IS 2062 Grade B.
- Precision Slide Guidance:** Box-type slide with 8-point extra-long adjustable gibs using phosphorus bronze liners to ensure parallelism with bolster.
- Efficient Power Transmission:** Single/double back gear with steel cast eccentrics; pneumatically operated combined clutch & brake unit for smooth operation and safety.
- Counter Balancers:** Provided with pressure switches to support smooth press operation and balance top tool weight.
- Hydraulic Overload Safety:** Prevents overloading and protects press and tools, with quick reset under one minute.
- Automatic Lubrication:** Forced recirculating motorized pump continuously feeds clean, filtered oil to all required parts.
- Pneumatic Die Cushion:** With pressure switches for improved forming of deep draw components.
- PLC Control Panel:** All safety interlocks and press functions are PLC-controlled with emergency highlights.



Optional Equipment

- Wet Clutch & Brake (Multi-disc)
- Moving Bolster
- Plunger Guided Mechanism
- Link Motion System
- Hydraulic Clamps and Die Lifters
- Slide Adjustment Lock
- Adjustable Die Cushion
- Variable Speed Motor
- Flywheel Brake
- Knock-Out Device
- Tonnage Indicator

Safety features for power press

- Hydraulic Overload Protection System (HOLP)
- Overload Protection Devices
- Safety Plc Controller
- Safety Interlocks
- Emergency Stop Buttons
- Precise Slide Adjustment
- Light Curtain For Both Side Of Machine For Safety Of Workmen.
- Auto Lubrication / Grease System
- Dual Sensing Solenoid Valve
- Pneumatic Die Cushion
- Variable Frequency Drive
- Air Pressure Interlocks (Clutch, Balancer, HOL)
- Phase Loss Protection/ Reverse Phase Protection
- Double Stroke Safety Timer

E2M SERIES

“H” Frame – Single Piece Construction, 2-Point, Eccentric Gear Driven Crankless Presses – Up to 630 Tons

Available Models: E2M-250, E2M-315, E2M-400, E2M-500T, E2M-630

Capacity Range: 250 to 630 Tons

Note: Technical specifications are subject to change without prior notice.





Standard Features & Attachments – E2M Series

Electrical & Safety

- PLC controlled electricals (400–440V, 3-Phase, 50Hz)
- Hydraulic overload safety device
- Stroke counter integrated in PLC
- Mechanical shut height indicator
- Cam limit switch
- Surge tanks for air counter balancers
- Foundation drawing & instruction manual

Mechanical & Pneumatics

- Dual sensing solenoid valve
- Pneumatic slide counter balancers
- Rotor seal for clutch/brake reliability
- Air reservoir tanks

Lubrication & Control

- Automatic motorized lubrication pump with progressive blocks
- Filter, regulator & lubricator (FRL) unit

Safety features for power press

- Hydraulic Overload Protection System (HOLP)
- Overload Protection Devices
- Safety Plc Controller
- Safety Interlocks
- Emergency Stop Buttons
- Precise Slide Adjustment
- Light Curtain For Both Side Of Machine For Safety Of Workmen.
- Auto Lubrication / Grease System
- Dual Sensing Solenoid Valve
- Pneumatic Die Cushion
- Variable Frequency Drive
- Air Pressure Interlocks (Clutch, Balancer, HOL)
- Phase Loss Protection/ Reverse Phase Protection
- Double Stoke Safety Timer

KHS & DHS SERIES

**"H" Frame – 1 Piece/4 Pieces Construction, High Speed Presses
Ungeared up to - 315**

KHS Series Single Point High-Speed Presses

Models Available: KHS-16, KHS-25, KHS-40, KHS-63, KHS-80, KHS-100, KHS-160

Capacity Range: 16 – 160 Tons

DHS Series - Two Point High-Speed Presses

Models Available : DHS-40, DHS-63, DHS-100, DHS-160, DHS-200, DHS-315

Capacity Range: 40 – 315 Tons





STANDARD FEATURES & ATTACHMENTS

- Variable speed motor (400/440V, 3-phase, 50 Hz)
- Hydraulic jam release device
- Motorized/manual ram adjustment
- Solenoid valve with rotor seal
- Automatic lubrication pump
- FRL unit (Filter, Regulator, Lubricator)
- Cam limit switch
- Air reservoir tank
- Slide counter balancers & surge tank
- Foot switch
- Stroke counter
- Instruction manual & foundation drawing

Optional Accessories & Features

- Roll feeders / Gripper feeders / Pneumatic feeders
- Straighteners
- DE coilers & reboilers (motorized/non-motorized)
- Scrap choppers & carrier arms
- Die lifters
- PLC drive system
- Photoelectric safety guards

Safety features for power press

- Hydraulic Overload Protection System (HOLP)
- Overload Protection Devices
- Safety Plc Controller
- Safety Interlocks
- Emergency Stop Buttons
- Precise Slide Adjustment
- Light Curtain For Both Side Of Machine For Safety Of Workmen.
- Auto Lubrication / Grease System
- Dual Sensing Solenoid Valve
- Pneumatic Die Cushion
- Variable Frequency Drive
- Air Pressure Interlocks (Clutch, Balancer, HOL)
- Phase Loss Protection/ Reverse Phase Protection
- Double Stoke Safety Timer

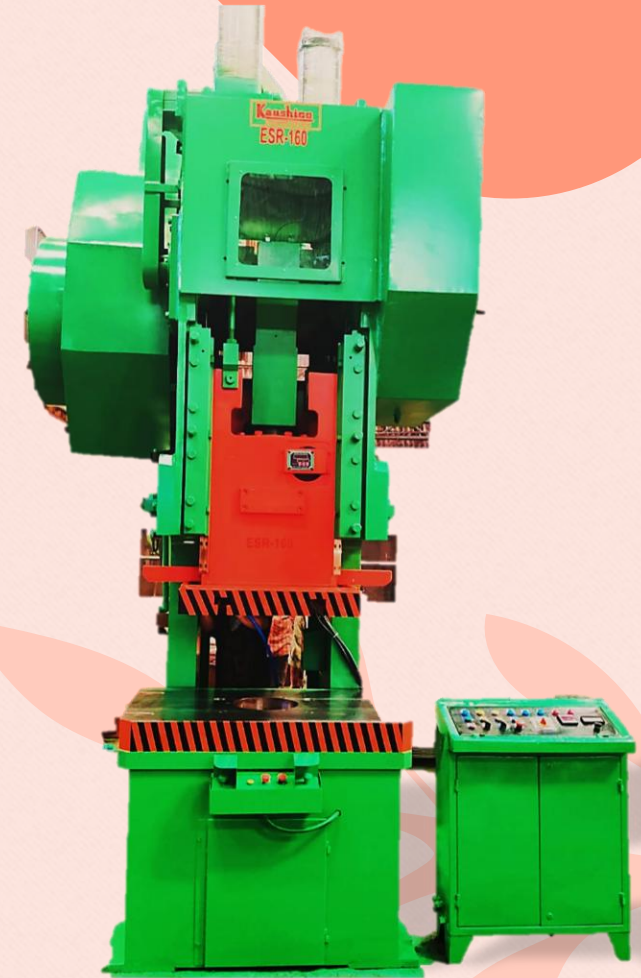
ESR SERIES

**C" Frame, Left-to-Right Shaft, with adjustable stroke as option,
Single Point Suspension, Box type Slide Press up to – 315 Tons**

Available Models: ESR-63, ESR-80, ESR-100, ESR-125,
ESR-160, ESR-200, ESR-250, ESR-315

Capacity Range: 63 to 315 Tons

Note: Technical specifications are subject to change without
prior notice.





Salient Features – ESR Series

Frame & Construction

- Heavy-duty steel fabricated frame with IS2062 Gr-'B' plates
- Stress-relieved, ribbed design for superior rigidity
- Fabricated box-type slide with extra-long gibs and PB liners

Drive & Safety

- Pneumatically operated **Hydraulic Overload Protection** system
- Combination **pneumatic clutch and brake** with air pressure actuation
- Emergency stop switch and OFF/INCH/CONTINUOUS operation modes

Lubrication & Controls

- Motorized slide adjustment with brake motor
- Centralized automatic lubrication pump
- Dual sensing solenoid valve with rotor seal
- Rotary 3-position cam limit switch
- Mechanical production counter

Utility Attachments

- Standard bolster with T-slots
- Separate air tanks for clutch and balancer
- Ejector bar in slide
- Tommy bar
- Flywheel / gearwheel guard

Optional Equipment

- ✓ Pneumatic Die Cushion
- ✓ Variable Speed Motor
- ✓ PLC Controls
- ✓ Photo Electric Guard
- ✓ Tool Loading Arms
- ✓ Hydraulic / Mechanical Die Lifter

Safety features for power press

- Hydraulic Overload Protection System (HOLP)
- Overload Protection Devices
- Safety Plc Controller
- Safety Interlocks
- Emergency Stop Buttons
- Precise Slide Adjustment
- Light Curtain For Both Side Of Machine For Safety Of Workmen.
- Auto Lubrication / Grease System
- Dual Sensing Solenoid Valve
- Pneumatic Die Cushion
- Variable Frequency Drive
- Air Pressure Interlocks (Clutch, Balancer, HOL)
- Phase Loss Protection/ Reverse Phase Protection
- Double Stoke Safety Timer

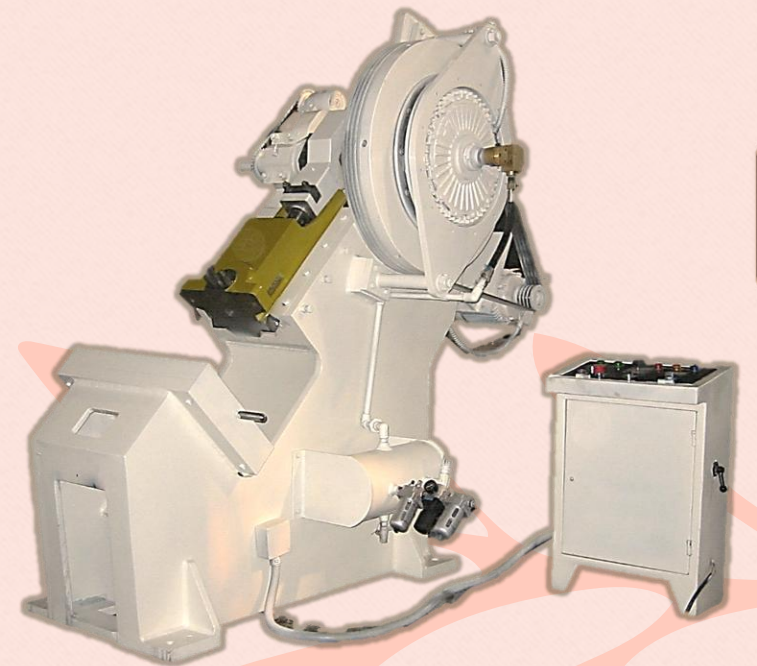
SR SERIES

“C” Frame – Left to Right Shaft, Single Point Suspension, Geared/Ungeared, Inclinal and Non-Inclinal Presses – up to 250 Tons (For Tin Containers and PP Caps Production)

Models Available: SR-10, SR-16, SR-25, SR-40, SR-50, SR-63, SR-80, SR-100, SR-125, SR-150, SR-200, SR-250

Capacity Range: 10 to 250 Tons

Note: All dimensions are approximate and subject to change without prior notice. Shut height is measured with slide at bottom and adjustment up.





SALIENT FEATURES - SR SERIES

Frame & Construction

- Steel fabricated, stress-relieved rigid frame
- Available in **inclined** and **non-inclined** configurations
- Deep-throat options available for increased working depth

Drive & Safety

- Rolling Key or Pneumatic Clutch options
- Standard **non-repeat mechanism** for Rolling Key presses
- Optional **two-hand safety lever** for Rolling Key types
- Emergency lock for foot treadle (where applicable)

Lubrication & Controls

- Hand-operated centralized lubrication pump
- Optional **automatic lubrication system**
- Cam limit switch for pneumatic clutch types
- Air filter, regulator, and lubricator (FRL unit) for pneumatic versions

Standard Utilities & Attachments

- Standard bolster with bolts and washers
- Ejector bar in slide
- Flywheel or gearwheel guard
- Squirrel cage electric motor (3-phase, 400/440V, 50Hz)
- Rotor seal, solenoid valve, and air reservoir (for pneumatic clutch models)
- Instruction manual & foundation drawing

Optional Accessories

- ✓ Stroke adjustment mechanism
- ✓ Inclining mechanism
- ✓ Die cushion
- ✓ Slide counter balance
- ✓ Operator safety guard
- ✓ Stroke counter
- ✓ Slide adjustment indicator
- ✓ Roll feeds & coil cradles
- ✓ Automatic lubrication unit
- ✓ Foundation bolts

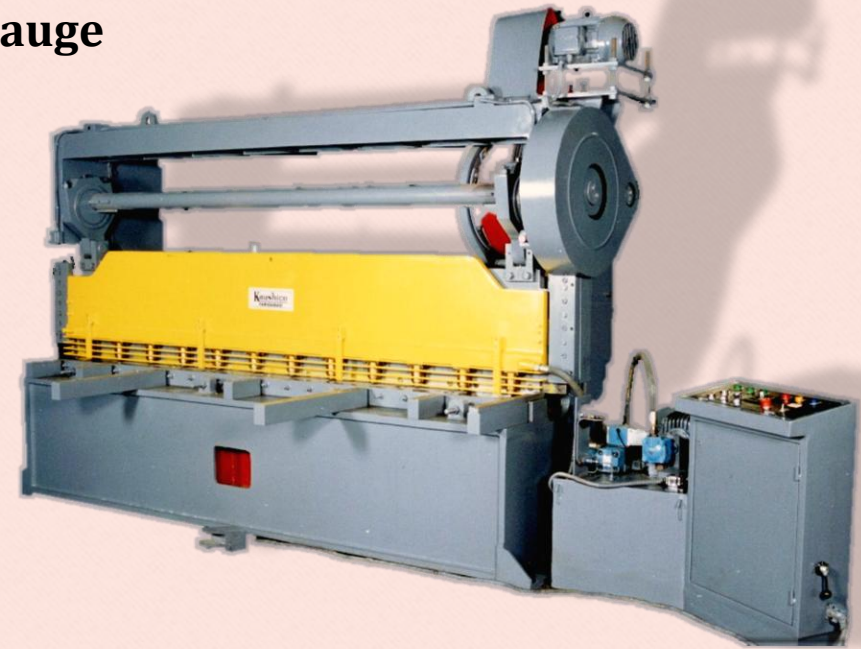
Safety features for power press

- Hydraulic Overload Protection System (HOLP)
- Overload Protection Devices
- Safety Plc Controller
- Safety Interlocks
- Emergency Stop Buttons
- Precise Slide Adjustment
- Light Curtain For Both Side Of Machine For Safety Of Workmen.
- Auto Lubrication / Grease System
- Dual Sensing Solenoid Valve
- Pneumatic Die Cushion
- Variable Frequency Drive
- Air Pressure Interlocks (Clutch, Balancer, HOL)
- Phase Loss Protection/ Reverse Phase Protection
- Double Stroke Safety Timer

MECHANICAL SHEARING MACHINE (MKS & KS SERIES)

Over Drive, Crank Type with 4 edge Working Blades, Shearing Machine with Hydraulic Hold Down, Mechanical Back Gauge with DRO

Shearing Capacity Range: 3.15 mm to 25 mm (M.S.)



Shearing Thickness (mm)	Model	Length (mm)	Stroke per Min	Motor HP (1440 RPM)	Back Gauge Range (mm)
3.15	MKS-20-3, MKS-25-3, MKS-32-3	2000–3150	50–60	7.5–10	500
6.3	KS-20-6, KS-25-6, KS-32-6	2000–3150	50	15	500
10	KS-20-10, KS-25-10, KS-32-10	2000–3150	40	20	500
12	KS-20-12, KS-25-12, KS-32-12	2000–3150	35	25	500
16	KS-20-16, KS-25-16, KS-32-16	2000–3150	30	30	600
20	KS-25-20, KS-32-20	2000–3150	25–30	40	600
25	KS-25-25, KS-32-25	2500–3150	20–25	50	600

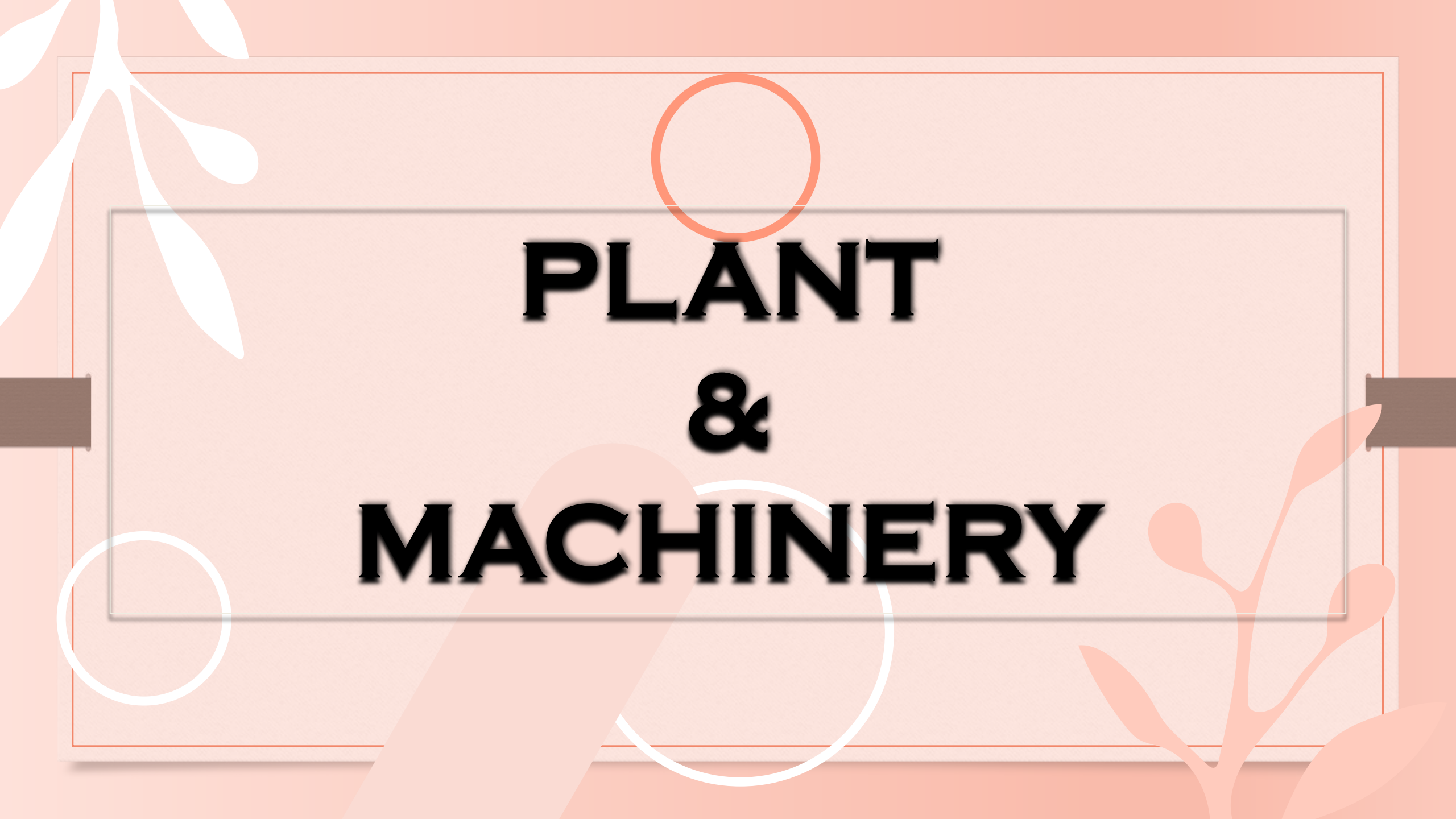


Constructional Features

- Heavy-duty welded steel construction for durability and precision.
- Machined with close tolerances for accurate knife and guide alignment.
- Electro-pneumatic clutch & brake with air cooling and auto wear compensation.
- Smooth ram movement with counter balances and manual/automatic controls.
- 4-edge hardened alloy steel blades for long life.
- Hydraulic hold-down ensures slip-free, uniform cutting.
- Accurate back gauge for precision.
- Overdrive system and dynamically balanced flywheels for clean, smooth cuts.

Safety features for power press

- Hydraulic Overload Protection System (HOLP)
- Overload Protection Devices
- Safety Plc Controller
- Safety Interlocks
- Emergency Stop Buttons
- Precise Slide Adjustment
- Light Curtain for Both Side of Machine for Safety of Workmen.
- Auto Lubrication / Grease System
- Dual Sensing Solenoid Valve
- Pneumatic Die Cushion
- Variable Frequency Drive
- Air Pressure Interlocks (Clutch, Balancer, HOL)
- Phase Loss Protection/ Reverse Phase Protection
- Double Stoke Safety Timer



PLANT & MACHINERY

OVERHEAD CRANE IN MACHINE SHOP



Description	Specification
Capacity	25 Tons
Make	Dynamic



Description	Specification
Capacity	50 Tons
Make	Dynamic

Skoda HB-1-200



Item	Specification
Spindle Dia	200
X Axis	8000 mm
Y Axis	3500 mm
Z Axis	1500 mm
Make	CZEC.

Skoda HB-1-160



Item	Specification
Spindle Dia	160
X Axis	8000 mm
Y Axis	3150 mm
Z Axis	1500 mm
Make	CZEC.

CNC FLAME CUTTING



Item	Specification
X Axis	8000 mm
Y Axis	4000 mm
Z Axis	250 mm
Crane Capacity	50 MT
Single Piece Weight	10 MT
Make	Messer
Accuracy	1/150 mm Depth

LATHE MACHINE L9 (With DRO)



Item	Specification
Chuck Dia.	39 Inch
Center Height	600 mm
Bed Size	17 Foot
Crane Capacity	5 MT
Single Piece Weight	5 MT
Make	L&L Taiwan
Accuracy	0.01/300 mm

LATHE MACHINE



<u>Item</u>	<u>Specification</u>
Chuck Dia.	36 Inch
Center Height	500 mm
Bed Size	10 Foot

PLANOMILLER (With DRO)



Item	Specification
X Axis	3000 mm
Y Axis	1500 mm
Z Axis	1250 mm
Crane Capacity	25 MT
Single Piece Weight	5 MT
Make	Waldrich
Accuracy	0.03/300 mm

VTL (VB 2) (With DRO)



Item	Specification
Chuck Dia.	3606 mm
Center Height	3000 mm
Crane Capacity	25 MT
Single Piece Capacity	25 MT
Make	RAFAMET – Spain
Accuracy	0.04/300 mm

CNC Turning



Item	Specification
Chuck Dia	508 mm
Centre Ht.	300 mm
Bed Size	203 mm
Make	ACE

CNC-VMC-FD-1842



Item	Specification
Spindle Dia	BT 40 Taper
X Axis	1050 mm
Y Axis	610 mm
Z Axis	600 mm
Make	Cosmos

Horizontal Boring HB-3-100 (DRO)



Item	Specification
X Axis	1400 mm
Y Axis	1600 mm
Z Axis	1600 mm
Table Size	1500 X 1500
Carne Capacity	25 MT
Make	WMW
Single Piece Weight	5 MT

Drilling Machine – RD 2



Item	Specification
Spindle Size	Dia 80 (MT 4-5)
Bed Size	1500 × 2000 mm
Height	2100 mm
Make	Hungary

Contact us

KAUSHICO MACHINE TOOLS PVT. LTD.

-Plot No.- 250, Sector- 24, Sohna Road, Faridabad, Haryana – 121005

E Mail- Kaushico@gmail.com

Website- www.Kaushico.com

Contact Person- Mr. Mridul Sharma (M.D.)

Contact Number- +91 9811087548, +91 9310589600 (Sales Executive)

WhatsApp Number- +91 9811087548, +91 9310589600 (Sales Executive)

Also Available on:



Instagram- [Kaushico](https://www.instagram.com/Kaushico)



Facebook- [Kaushico Machine Tools](https://www.facebook.com/KaushicoMachineTools)



LinkedIn- [Kaushico Machine Tools](https://www.linkedin.com/company/KaushicoMachineTools)



YouTube- [Kaushico Power Presses](https://www.youtube.com/KaushicoPowerPresses)



Kaushico

THANK YOU

KAUSHICO MACHINE TOOLS PVT. LTD.

kaushico@gmail.com

www.kaushico.com

*“If you need a machine but don’t buy it,
in the end, you’ll see that you’ve paid
for it - but don’t have it.”*