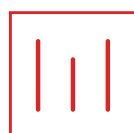
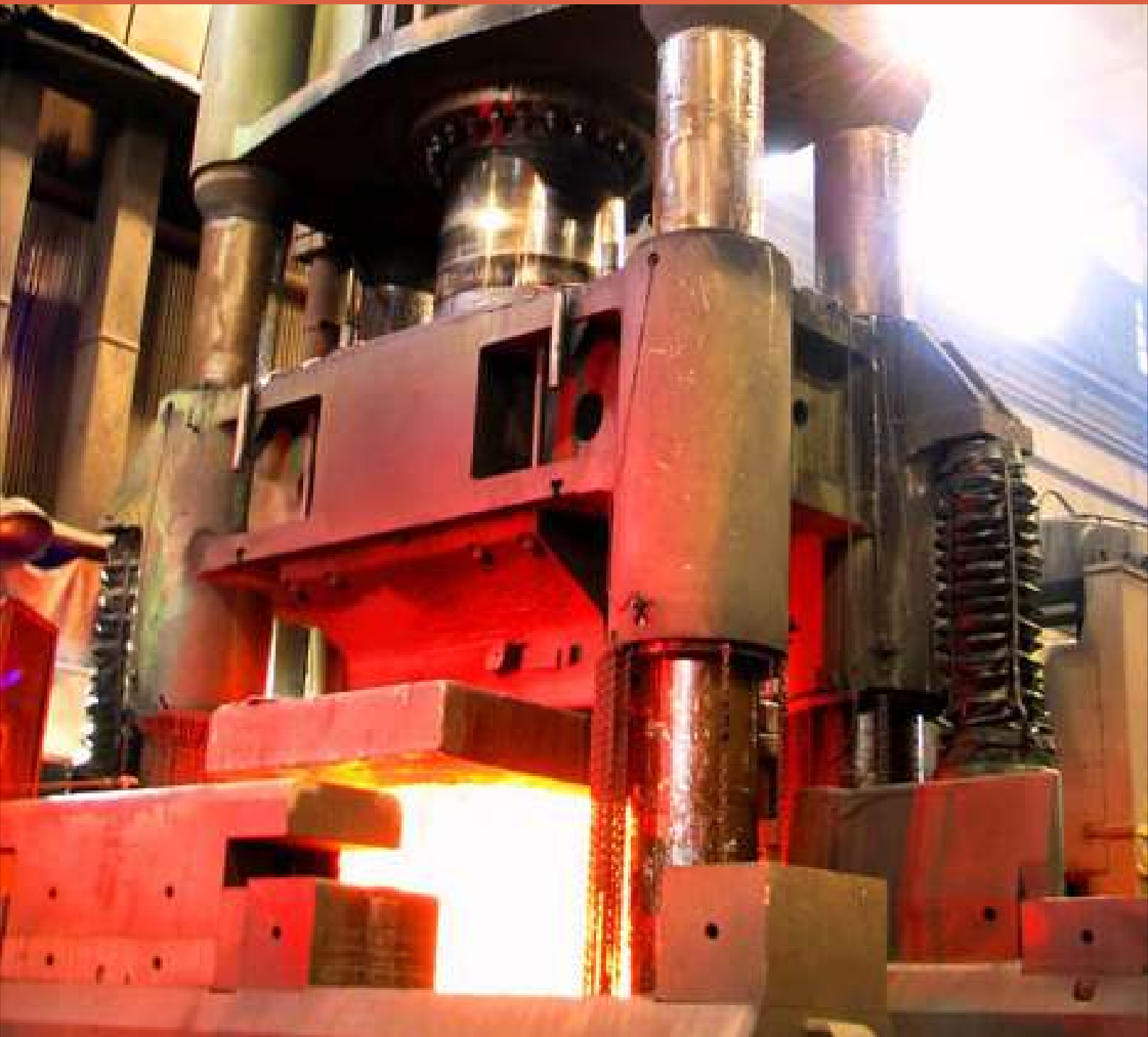


# *Press Forming Industry*



**MAX SPARE**

**L I M I T E D**

QUALITY. PRECISION. SPEED.

# Max Spare at a Glance



Corporate Office



OEM Facility

Max Spare, established in 1959, is India's leading Seal manufacturer having a total workforce of 1,000 employees.

Sales Dept. & Design Team



R & D Centre



100,000 moulds of standard and non standard seal designs and 250 rubber and thermoplastic compounds are readily available for production.



Continuous Research, Design & Development for new & improved seals

Trusted by leading OEMs & replacement market world wide.

Line Production



Max Spare has the widest range of production activities of tool division, rubber moulding, injection moulding and polymer casting available under one roof.

Customised moulding presses



High tonnage presses upto 2500 mm in diameter

Maxspare Warehouse



Express Seals Production



The oldest & the biggest manufacturer of seals in India with technologically advanced manufacturing facilities. Max Spare, is Trusted by leading OEMs & replacement market.

**MAX SPARE**  
LIMITED  
QUALITY. PRECISION. SPEED.

## Sealing Solutions in the field of Press Forming Industry

Max Spare, as India's leading seal manufacturer providing standard & customized sealing solutions to clients across industries. Having more than five decades of experience and expertise in serving the industrial clients. Max Spare with its wide range of Heavy Duty & Large Diameter Seals is fully capable to serving the sealing needs of press in different industries.

Light, medium Mechanical & Hydraulic presses are use in forming process covering various applications such as -

- Car body stamping process
- Electric & Household appliances
- Engineering components
- Forging parts
- Plate bending & straightening
- Plywood board pressing
- Ceramic tiles making
- Vulcanising presses

To produce the heavy duty & large diameter seals in endless or split form, Max Spare is having an independent division called LDS (Large Diameter Seals). In this division, seals made out of rubber, fabric, metal rubber are manufacturing within a least minimum period at economical cost. Even a small quantity requirements are cater by us. Our infrastructure of LDS can produce seals upto 3 mtr. dia.

Due to large size & heavy equipments, the maintenance in breakdown is time taking job, hence reliability & longer working life is the demand for seals in presses.

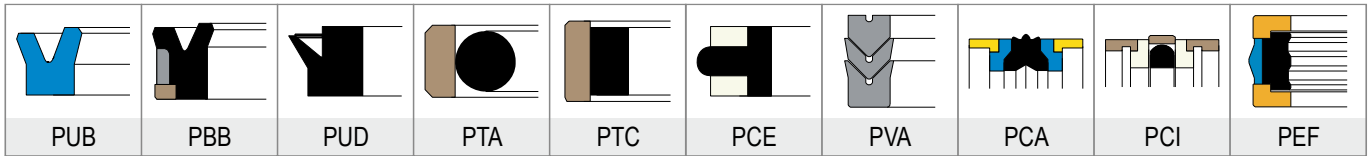
Our technical team have an experience to design standard & customised products backed with field support, you can rely on Max Spare for requirement in press industry.



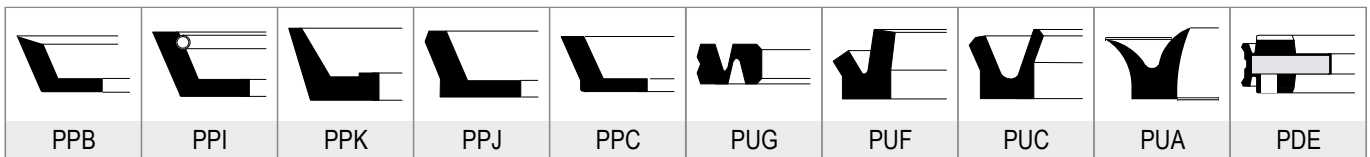
# Product Line

## Max Spare Product Line for Press Forming Industry -

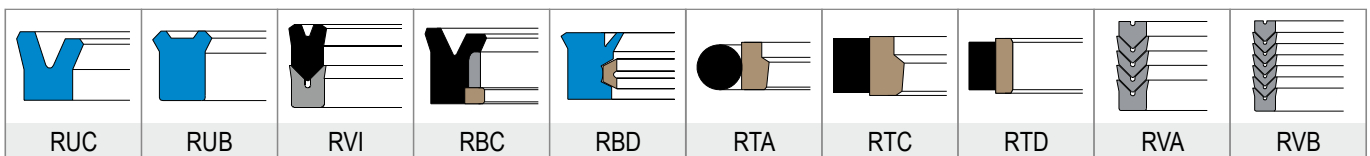
### Piston Seal - Hydraulic



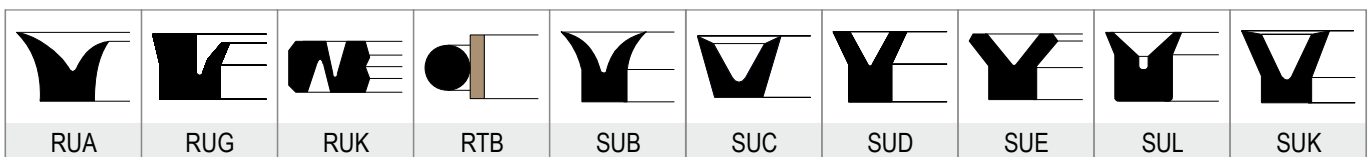
### Piston Seal - Pneumatic



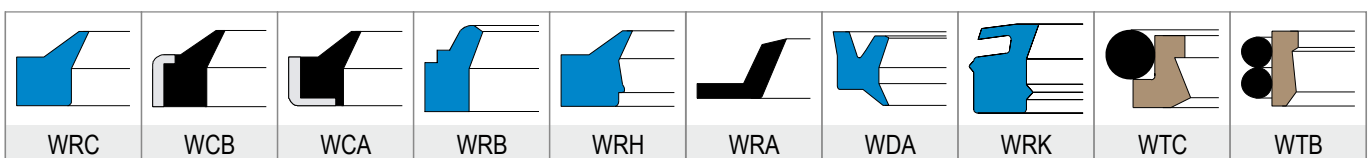
### Rod Seal - Hydraulic



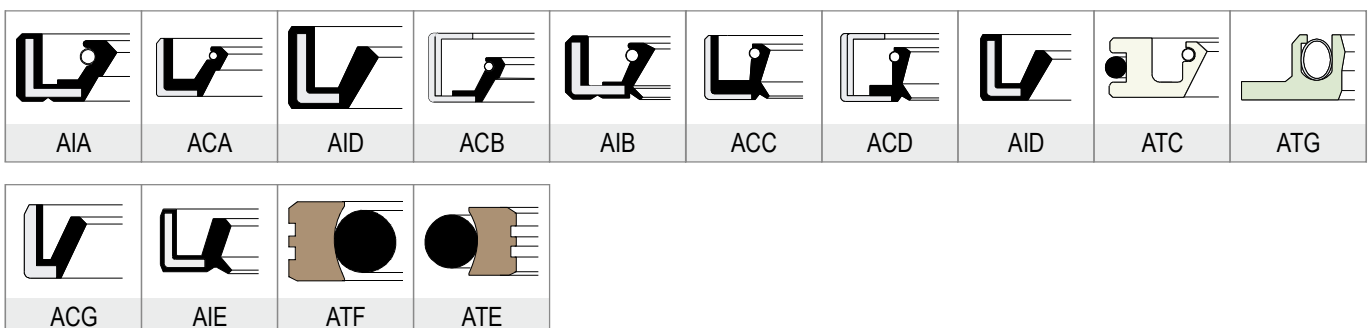
### Rod Seal - Pneumatic



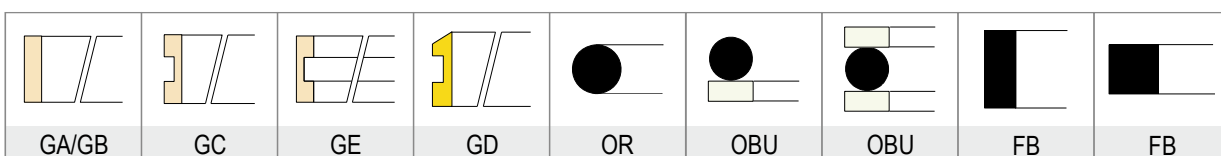
### Wiper Seals - Hydraulic & Pneumatic



### Rotary Seals



### Guide & Back-up Rings





# Application



Heavy Duty Presses



Mechanical Stamping Presses



Hydraulic Presses



Forming Presses



Forging Presses



Aluminium Extrusion Presses

## Max Spare Sealing Solution for presses in different industries

Max Spare having capabilities to produce seals upto 3 mtr. dia in-house in elastomers and thermoplastic material. This facility make us capable to cater heavy duty and robust segment.

Reliability, high performance, longer working life are the need of these industries. Max Spare understand these needs and with its expertise, capacity to produce high performance sealing solutions for -

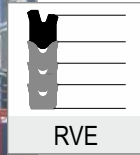
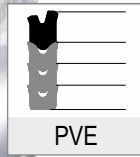
- Heavy Duty Presses
- Hydraulic Presses
- Mechanical Stamping Presses
- Forming Presses
- Forging Presses
- Aluminium Extrusion Presses

Since years, Max Spare had become reliable partner in Press Forming Industry and had sharing its expertises in this segment. The following are the branches of industry for Press Forming -

- Automobile Industry
- Automobile Ancillary Suppliers
- Forging Industry
- Aluminium Extruded Parts
- Steel Industries
- Plywood forming
- Ceramic Tiles
- Vulcanise components



# Press Application



## Heavy Duty Press

Heavy duty V-packing used in presses for Rod & Pistons. A set consists of one pressure ring, one support ring and multiple sealing rings. These V-packing are available in cotton fabric with NBR or FKM and polyurethane.

### Features -

- Long service life
- Robust under heavy duty conditions
- Adjustable centre rings as per length requirement
- Split version also available
- Sizes upto 3 mtr. dia



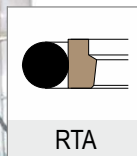
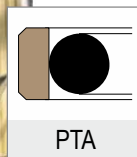
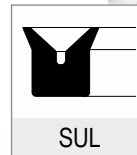
Split Style

## Mechanical Stamping Press

Use in Automobile & Auto Anxillary units for vehicle body stamping process. These presses are equipped with clutch & brake. Pneumatic seals are use in this equipments due to low pressure operations.

### Features -

- Low Friction
- Long service life
- High abrasion resistance
- Size upto 2 mtr dia.



## Hydraulic Press

Medium and heavy duty hydraulic presses are used in all the industrial sectors. Standard V-packings and other hydraulic seals are used in combination for these applications.

### Features -

- Long service life
- Stick slip movement
- Low friction
- Seals up to 1 mtr. dia

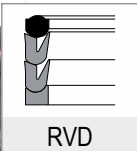
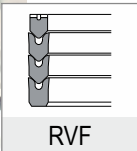
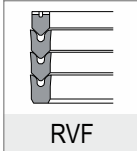
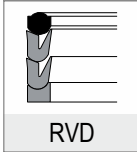
# Press Application

## Forming Press

Heavy duty V-packing set is use in forming press application. It has a sealing lip profile specially developed to withstand the massive side loads and high pressure peaks encountered on forming presses.

### Features -

- Low Friction
- Long service life
- Optimum equipment performance
- Size upto 3 mtr. dia



## Forging Press

Heavy duty V-packing set is highly driven on forging press applications. It has a sealing flip profile specially developed to withstand the massive side loads and high pressure peaks encountered on forging presses.

### Features -

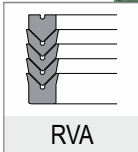
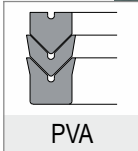
- Low friction
- Long service life
- Reduced leakage
- Size upto 3 mtr. dia.

## Aluminium Extrusion Press

Horizontally operated Aluminium Extrusion Presses having V-Packing set on the piston seal and rod end. Thus V-Packs are subjected to sliding speed and high pressure.

### Features -

- Long service life
- Adjustable centre rings as per length requirement
- Optimum equipment performance
- Sizes upto 2 mtr. dia





# Win with Max Spare ...

## STEEL MILL



- » HAGC Cylinder
- » Bending & Balance cylinder
- » Work Roll & Backup Roll chock

## OIL & GAS



- » Extreme Pressure
- » Robust working conditions
- » Long service life

## POWER PLANT



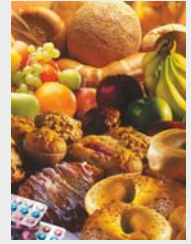
- » Turbines
- » Boilers
- » Coal Pulveriser
- » Roller Journal Assy

## PULP & PAPER



- Pneumatic Valves
- Pneumatic Actuators
- Hydraulic Cylinders
- Pneumatic Cylinders
- Calendar Roll Seals

## FOOD & PHARMA



- » Food Compliant Material
- » Aggressive Fluids – CIP & SIP Process
- » High Temperature Solutions in Bakery products

## TYRE INDUSTRY



- » Tyre Curing Presses
- » Bladder Machine

## EARTH MOVING INDUSTRY



- » Steering Cylinder
- » Boom Lifting Cylinder
- » Bucket Cylinder
- » Telescopic Cylinder
- » Axial Grease Seals

## PRESS FORMING INDUSTRY



- » Heavy Duty Presses
- » Hydraulic Presses
- » Mechanical Stamping
- » Presses
- » Forming Presses

## ALUMINIUM INDUSTRY



- » Crust Breaker Cylinder
- » Point Feeder cylinder
- » Tapping Breaker cylinder
- » Vacuum seals
- » Pneumatic Breaker

## CHEMICAL & FERTILIZER



- » Sealing of a coolant compressor with multiple mechanical seals
- » PTFE gaskets and tapes
- » Metal expansion joints

## SUGAR INDUSTRY



- » There are numerous rotating equipment which require sealing in sugar industry.

## AUTOMOBILE INDUSTRY



- » Transmission Gear Box
- » Axels
- » Shock Absorbers

## VALVE INDUSTRY



- » Petroleum Line Valves
- » Gas Line Valves
- » Valve Seat
- » Butterfly Valve Seat

## WIND MILL



- » Gear Box
- » Pitch Cylinder
- » Pulse Encoder Seals
- » Main Bearing Rotary Seals

## HYD. & PNEU. CYLINDERS



- » All types of Piston single and double acting seals for pressure range start from 0 to 2500 bar.

## ENGG. & FABRICATION



- » Various types seals and customised solutions are available in this segment. From machine tools to maintenance & overhauling work.

## HYDRO POWER



- Keplan Turbine Blades
- Wicket Gates
- Servomotors & Navlock Cylinders

## CEMENT



- » All types of Piston single and double acting seals for pressure range start from 0 to 2500 bar.

## TEXTILE INDUSTRY



- » Motors
- » Spinning

## PUMP MOTOR & GEAR BOX



- » High Speed
- » High Pressure
- » Temperature resistance
- » Media resistance
- » Operating reliability

## Max Spare Limited

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IN TECHNICAL COLLABORATION WITH  
UKSEALS & POLYMERS LTD. (ENGLAND)