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## Receding Head Cutting Presses (RH-100 Tons)



# Features

## Features

A four-post hydraulic press producing 100 metric (110 U.S.) tons of cutting force, with two cylinders mounted over cross members linked end to end with torsion bars. This mechanical balancing system ensures that the maximum cutting force of the press can be delivered across the entire cutting area of the machine, and keeps the bed and bridge parallel even under asymmetrical (unbalanced) loads, which, in turn, reduces mis-cuts and damaged parts and provides for longer tool and pad life. This hydraulic press can deliver its total force during the entire down stroke.

## Advantages

- You can be assured that the best and latest engineering technology has been utilized in the receding head series
- An unobstructed view of the cutting area is provided when the beam is in its back position
- The receding head series has a strong exterior reinforced construction consisting of heavy duty weldments. This press is built for the long term which our customers expect
- This full head press uses a four column construction which utilizes an internal mechanical levelling system to insure a parallel cutting stroke and full uniform pressure over the entire cutting bed, even when the cutting dies are not in the center of the cutting area. A parallel cutting stroke is essential for obtaining accurate cut parts and for long pad and die life
- Most importantly, the four pillar construction and internal mechanical balancing system keeps the bridge parallel far better than the common hydraulic balancing or straight arm systems used in some cutting machines
- Simple to learn - Easy to use controls for setting die and material height
- Low electrical power consumption
- Low maintenance due to an automatic central lubricating system which continuously lubricates all of the main bushings and bearings
- The electrical components used in the receding head series of die cutting machine are non-proprietary; therefore, available throughout various companies in the U.S.A.
- An inverter positioning system allows the receding head to move forward and backward evenly with slow stops at both ends to avoid vibration and shock
- Includes photo cell and safety guards
- Material feeding systems are available

## Range of Applications

- APMC presses diecut a wide range of materials: foam, textiles, plastic, rubber, packings, vinyl, leather, composites, fiberglass, vinyl, and carpet floor tiles, cork, wood, gasket, filter materials, etc

# Options

## Machine Options

- Inboard Pneumatic Pinch Roll and Conveyor – The opening and closing of the pinch rolls is pneumatically operated with 2.4" (60 mm) max. opening. The pinch rolls are suited to feed up to two layers of material in and out of the machine while holding the material during the cutting process.
- Automatic Die Height Setting Device – The automatic die height setting device simplifies machine setup. The machine will automatically set itself to the new die without any additional operator interaction.
- Touch Screen Operator Interface with Program Storage – The user friendly touch screen makes machine operation easy for any operator. From the touch screen the operator can control operating modes (die setting or cutting) and all variables related to cutting
- Model RH4163-100 – Above machine with 100 Metric (110 U.S.)Tons of cutting force

# Specifications

<b>Series</b>	RH- 100 Tons
<b>Cutting Force</b>	110 Tons (100 Metric Tons)
<b>Cutting Stroke</b>	4.3" (110mm) / 7.1" (180mm)
<b>Maximum Daylight</b>	5.5" (140mm) / 8.3" (210mm)
<b>Machine Bed</b>	(35.4-47.2" D x 63-90.6" W) / (900-1200mm D x 1600-2300mm W)
<b>Main Motor</b>	7.5 HP
<b>Gross Weight</b>	TBD
<b>Receding Distance</b>	31.5" (800 mm)

## Industries

### Designated Industries

- [Aircraft](#)
- [Clothing](#)
- [Computers](#)
- [Envelopes](#)
- [Gasket](#)
- [Home Furnishings](#)
- [Leather and Fancy Goods](#)
- [Medical](#)
- [Miscellaneous](#)
- [Packaging and Stationary](#)
- [Toys Games and Sports](#)

## Applications

### Designated Applications

- [Manual die cutting](#)