

Hydroforming Press HMD



Hydraulic press equipped with a pressure dome and an oil-supported diaphragm. Specially developed for hydroforming of complex deep-drawn sheet metal parts.

- Vertical plates, four column press – ***rigid press with minimal deflection***
- Forming in a pressure dome – ***high quality finish and consistent tolerance***
- Simple tools – ***suited for prototyping and test production***

Hydroforming Press HMD

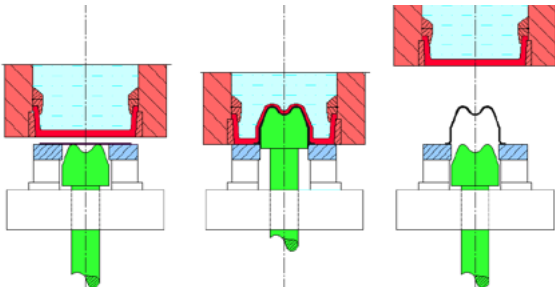
Model HMD is a hydraulic press equipped with a pressure dome and an oil-supported diaphragm.

It is a four-column press with a strong solid plate frame. The forming dome, including the oil and diaphragm, is attached to a long stroke, pre-forming, guided slide.

The main draw cylinder for the forming operation presses from below towards the diaphragm and the dome pressure forms the part.

The machine includes an efficient, low energy hydraulic system with variable axial piston pumps and proportional valves.

HMD is operated by a freely programmable control system with the ability to regulate press force and forming pressure,



Technical specification		
Blank diameter	mm	∅ 380/635/810
Forming pressure	MPa	35/70/100
Draw depth	mm	200/280/350
Press frame force	kN	9,200 - 40,000
Press cylinder force	kN	6,500 - 20,000
Press bed	mm	920x920 - 1,300x1,300

Please let us know your requirements!

Note: Subject to alterations.

The machine pictured on the front is equipped with options.



execute positioning tasks and control speed and time settings.

The press is equipped with a service platform at the top of the machine.

Optional equipment:

- Tool changing system for fast and easy exchange of the tool.
- Press automation equipment such as robots and destackers.