



# PGD + MSF

## Servo Hydraulic Dishing Press with Automatic Manipulator

Energy-efficient and high-productive  
for dished head manufacturing

**PRESSING  
FORCE**

from - to

**150 tons  
5000 tons**

**BLANK  
DIAMETERS**

up to

**12000 mm  
472 in**

**BLANK  
THICKNESSE**

over

**100 mm  
4 in**

### Applications



PRESSURE  
VESSELS



TANK HEAD  
MANUFACTURING



SILOS &  
STORAGE  
TANKS



ROAD/  
RAILWAY  
TANKERS

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For over seven decades, **Boldrini** has led the field in **dished head production machinery**, pioneering advancements to enable component production for the tank and pressure vessel industry. The Boldrini CNC-controlled portal frame press with automatic manipulator, PGD series, excels in both **cold and hot forming applications**. The innovative Boldrini Servo Dishing system developed in partnership with MOOG Inc., sets a new benchmark in the industry for **unparalleled precision, repeatability, and energy efficiency**.

The PGD facilitates the production of dished heads with **perfectly smooth surfaces** and **minimal material waste**, across multiple materials. The new PGD performs a total position gap control, and it allows to set the **pressure from 5 to 260 bars**.

With a range from **150 to 5000 metric tonnes**, the PGD can effortlessly handle **blank diameters up to 12000 mm (472 in.)** and **thicknesses over 100 mm (4 in.)**, heavier on demand. The entire engineering and manufacturing process is managed internally and subjected to strict controls.

### Key benefits

- *New innovative Boldrini Servo Dishing system. Allows 70 – 93% oil reduction, higher speed, and lower OPEX*
- *Absolute lowest noise emission*
- *The PGD facilitates the production of dished heads with perfectly smooth surfaces and minimal material waste, across a wide variety of materials*
- *Total position control for increased precision*
- *The market's highest speed*
- *Pressure build-up timing for increased speed*
- *Unique NC automatic playback system for total automation*
- *Simple, one-person operation*
- *Handles multiple blanks at a time for high productivity*
- *Hot forming*
- *Reduced manufacturing time*

### Features & Accessories

Advanced Siemens NC

Handling devices

Full set of dies

Special device for short and long petal handling

Automatic loading and unloading systems

Oil cooling/heating system

Enclosed cabinet for operator comfort

Safety systems

RSM – cloud-based Remote Service Management



**BOLDRINI**

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