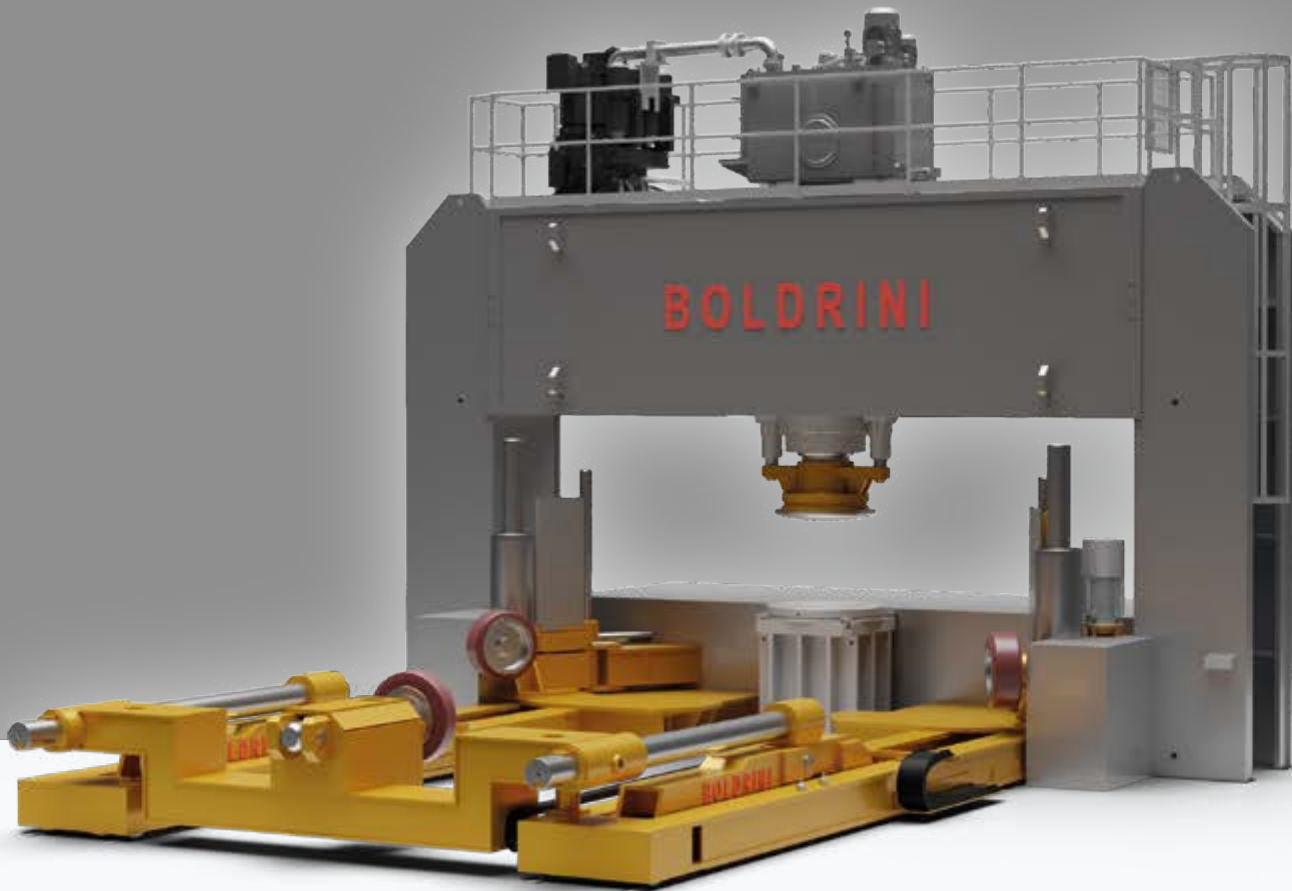




PGD + EDM

Servo Hydraulic Dishing Press
with Electric Drive Manipulator

Energy-efficient and high-productive
for dished head manufacturing

Applications



PRESSURE
VESSELS



TANK HEAD
MANUFACTURING



SILOS &
STORAGE
TANKS



ROAD/
RAILWAY
TANKERS

**PRESSING
FORCE**

from - to

**150 tons
5000 tons**

**BLANK
DIAMETERS**

up to

**12000 mm
472 in**

**BLANK
THICKNESS**

over

**100 mm
4 in**

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for dished head manufacturing

For over seven decades, Boldrini has led the dished head production machinery, pioneering advanced solutions for the tank and pressure vessel industry. The **Boldrini PGD series CNC-controlled portal frame press** with the **EDM electric drive manipulator** excels in cold, warm and hot forming. The patented **HYDRA-X Servo hydraulic system**, developed with **MOOG Inc.**, sets a new benchmark for precision, repeatability, and energy efficiency.

The PGD produces dished heads with smooth surfaces and minimal material waste across multiple materials. It features **total position gap control** and pressure settings from **5 to 260 bar**.

The **EDM with Star Drive electric platform** features proportionally actuated axes with simultaneous movements, superior traction and blank rotation, plus **CNC-controlled repeatability without manual adjustments**.

With capacities from **150 to 3000 tonnes**, the PGD handles 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 in-house and subject to strict controls.

Key benefits

- **New Boldrini Servo Dishing system for 70–93% oil reduction, higher speed and lower OPEX, combined with the EDM electric drive manipulator for advanced automation.**
- **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 cycle speed*
- *Pressure build-up timing for increased speed*
- *Unique CNC 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 CNC

Handling devices

Custom dies design for
specific jobs

Special device for short and long
spherical petal handling

Oil cooling/heating system

Lifting cabinet for operator comfort

RSM – cloud-based Remote
Service Management



BOLDRINI

is a brand of the Faccin Group

Via dell'Industria, 19 - 25010 Visano (BS) - Italy
Tel: +39 030 67 29 300 - info@faccingroup.com

www.faccingroup.com

