

3-Roll Bending Roll for Shipbuilding and Aerospace Industry

Extreme Performances and Precision



Faccin has designed a range of solutions able to meet the production requirements of the shipbuilding and aerospace industries. RP 3-Roll bending roll is a line of over-dimensioned bending rolls with force up to 3000 metric tonnes designed to bend plates wider than 20 meters. The special machines are able to effectively combine the production speed of a bending roll with the versatility of a press brake.

Faccin's RP bending rolls feature a solid oversized structure that allows even harder strength plates to be bent very accurately. The two cylinders installed on the uprights of RP bending rolls guarantee the high tonnage of the machines, with the possibility of bending conical and asymmetrical parts, typical in the structures of ship hulls.

The machine rolls move independently: in the "bending roll" configuration, the top roll moves vertically while the bottom two move horizontally. In the "press" configuration, instead, the upper roll is replaced with a tool and a die is mounted on the lower rolls.

Thanks to constant control of all axes during the bending cycle, the machines in Faccin's RP range offer a finished product of superior quality, minimising the need for subsequent calibration.

The roll anti-deflection system makes Faccin's over-dimensioned RP bending rolls very versatile, allowing you to bend large and small radii without affecting the maximum rollable thicknesses. The anti-deflection system of the fitted rolls also assures the maximum tolerances of the finished product.

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Standard equipment

- ✓ Fully hydraulic movement of top and bottom rolls
- ✓ Anti-deflection top beam for top roll cambering
- ✓ Back-up rolls for bending rolls cambering
- ✓ Two independently driven rolls
- ✓ Two consoles with low voltage controls
- ✓ Siemens Numerical Control
- ✓ Siemens electronic control or rolls balancing
- ✓ Tilting possibility for cone rolling
- ✓ Forced lubrication circuit
- ✓ Emergency stop buttons
- ✓ Hardened rolls
- ✓ Machine CE certified for its safety

Upon request

- ✓ Siemens graphic CNC control
- ✓ Third roll (top) driven
- ✓ Jib cranes for plates and tools handling
- ✓ Motorised feeding table
- ✓ Automatic plate aligning system
- ✓ Plate supporting tiltable arms
- ✓ Bending/Folding tools



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The shipbuilding and aerospace industries need to roll long plates to obtain open shapes to be assembled together for the structures of aeroplanes and ships.

Faccin's RP, strength and technology for large plate rolling.

Faccin - Superior Quality Assurance

