

FACCIN

WIND TOWERS DIVISION

Wind Energy Product Portfolio



Powerful solutions for a green future



INNOVATIVE PLATE ROLLS

High accuracy and minimum cycle time are assured with the Faccin's 4-roll series that provide manufacturers with the reliability, speed, accuracy and automation required for a successful operation, able to work 24/7 while easily being handled by a single operator.

Valuable features:

- 4-roll rolling machines with linear guides or planetary swinging arms design.
- *Wind Tower Automation System* with feeding table, top and side supports, clamping system for on board tack-welding controlled by CNC to optimize plate handling and implement high automation level.
- Heavy duty and rigid structural frame fundamental to guarantee an extreme accuracy on the final rolled sections.
- Electronic balancing system of the rolls for maximum precision.
- High tech hydraulic system for perfect repeatability and series production.
- Efficient hydraulic system with high speed and low power consumption.
- Special transmission system and centralized lubrication system for maximum reliability system.





STURDY BENDING ROLLS

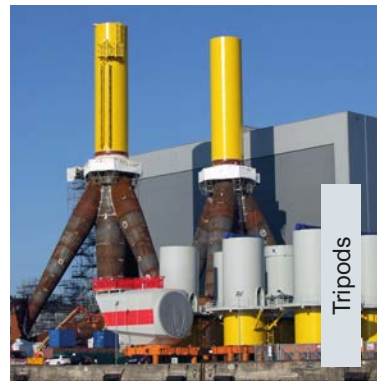
Thinking ahead on the future challenges in the industry, Faccin has developed a line with extra capacity that will keep up with its growth in terms of width and thickness. A new technology for maximizing productivity and minimizing consumption.

Valuable features:

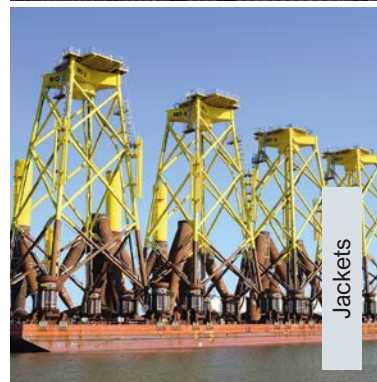
- 3-roll or 4-roll rolling machines designed for cans and cones.
- Heavy duty base frame to guarantee an extreme accuracy on the final rolled sections.
- Electronic balancing system of the rolls for maximum precision.
- High bending force installed for best pre-bending of plates.
- Optimized automatic calibration functions to cut production time.
- Optimized automatic bending functions for cones to match the tightest tolerances.
- Efficient hydraulic system with high speed and low power consumption.
- Micro positioning for perfect repeatability and high productivity.
- Special transmission system and centralized lubrication system for maximum reliability.



Monopiles & TP



Tripods



Jackets





TILTABLE VERTICAL SUPPORT

To hold the cans during rolling and avoid the collapsing of the same.
Available for diameters up to 15m/50ft and capacity exceeding 100Tons.

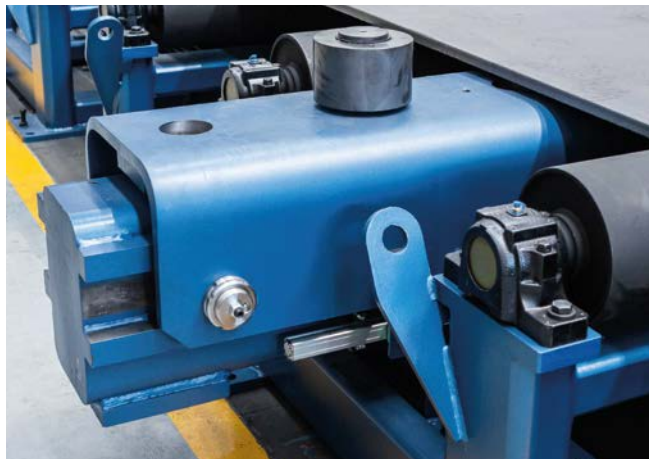


PLATE ALIGNING SYSTEM

To automatically align plates for both cylinders and cones.
Automatic CNC controlled functions for automatic cones re-alignment.

MOTORIZED FEEDING TABLE

Available in horizontal or tiltable version and with wider extension for cones.



SIDE SUPPORTS

To accompany the plates after bending and prevent reopening.
With clamping system and finger hook align plates edges for on-board tack-welding.



SIEMENS CNC PGS-ULTRA FOR WT

Includes advanced and dedicated functions to easily create an automatic program for rolling a wind tower section.

Main features:

- Automatic control of all the axis of the wind tower line.
- Machine maintenance program.
- Machine diagnostic.
- Import of CAD drawings.
- Industry 4.0 integration for production monitoring.
- Advanced teleservice for minimum downtime.



EYE BEND

Automatic radius measuring system with auto-correction from CNC.





ROBUST PLATE ROLLS

The innovative 4-roll machine, model 4HEL/DF, has been especially designed by Faccin for *wind tower door frames* production and can roll complex shaped steel frames on extremely short cycle times with optimum pre-bending.

It combines the strength, endurance, and power needed to reach high performances.

Half meter long, with extra bending force and torque to bend thick plates at small radii. The 4HEL/DF comes with the latest generation of Siemens CNC that allows automatic calculation of the bending cycle as well as a perfect interpolation of the axis.



HEAVY DUTY ROTATING RING ROLLER

The GIOTTO model, developed and designed by Faccin, it's a powerful heavy duty ring roller for the production of flanges in cold or hot condition.

Purpose built machine to manufacture wind tower flanges, an essential component in the wind turbine tower manufacture process to connect wind tower sections.

The GIOTTO is ideal to produce flanges with their strict tolerances.



FACCIN - to achieve high performances

PLATE ROLLS
For wind tower manufacturing

ROTATING RING ROLLERS
For flanges manufacturing

PLATE ROLLS
For door frames manufacturing

PLATE ROLLS
For foundation manufacturing



FACCIN

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