

# Wheel Press



Our Wheel Presses are designed for the mounting and/or dismantling of wheels and other components (brake discs, gears etc.) on wheelsets axles for rolling stock maintenance workshops or wheelsets production factories.



### Different versions available:

- 🌀 Mounting Press (CA type)
- 🌀 Dismounting Press (DE type)
- 🌀 Mounting and Dismounting Press (CADE type)

### Various options available:

- 🌀 Overhead gantry crane
- 🌀 Measuring arm
- 🌀 Calibration set
- 🌀 High pressure oil injection device (for wheel dismantling)
- 🌀 Preparation stand
- 🌀 Loading trolley
- 🌀 Maintenance contract

### Main features:

- 🌀 High performances:
  - Fast and secure operation thanks to the “double cylinder” configuration: no handling for wheelset repositioning between 1<sup>st</sup> and 2<sup>nd</sup> wheel pressing.
  - High accuracy measuring for precise wheel positioning
- 🌀 Adaptable to our clients’ specific needs:
  - HMI and pressing reports are customizable according to our clients internal quality procedures and national standards,
  - Our design can be adapted to specific requests (wheelsets dimensions etc.)
  - No specific civil works needed (pit etc.)
- 🌀 Easy to use:
  - Only one operator to run the wheel press
  - Wheelsets can be positioned in the press directly using overhead crane
  - User-friendly HMI
  - Ergonomic operator station
- 🌀 Easy to maintain:
  - Auto diagnostic with clear error/failure messages
  - Remote maintenance
  - Easy access to components



Main Technical Characteristics and Performances		
Wheel press force	<i>Mounting pressing force</i> <i>Dismounting pressing force</i>	200 tons 200 to 600 tons
Cylinders	<i>Cylinder stroke</i> <i>Rapid approach speed</i> <i>Retract speed</i> <i>Pressing speed (Variable)</i>	800 mm 20 mm/s 20 mm/s 1 to 5 mm/s
Wheelset dimensions	<i>Max wheel diameter</i> <i>Max wheelset weight</i> <i>Wheelset length</i>	1,100 mm 3,000 kg From 1800 to 2600 mm
Installed powers	<i>Total power required</i>	± 35 kW Depending on options
Overall dimensions of the machine	<i>Length</i> <i>Width</i> <i>Height</i>	~ 7,000 mm ~ 2,000 mm ~ 2,500 mm
Positioning precisions	<i>Standard positioning precision</i> <i>With high precision positioning device</i>	+/- 0.5 mm +/- 0.3 mm
Production performances	<i>Average complete cycle time for normal wheel set with 2 wheels (excluding wheelset loading and unloading)</i>	~ 10 min
Weight of the press	<i>Approximate net weight</i>	~ 25,000 kg