

3.1

WHEEL PRESS STAND MOUNTING/DEMOUNTING

Wheel Set Mounting And Demounting Press is designed for cold mounting and dismounting of axle components, including wheel discs, brake discs, gears on shaft axle of the wheel set.

FEATURES

THE PRESS IS FURNISHED WITH:

- Control box for press with programmable controller (PLC) with touch screen that enables the control of machine functions (selection of force, speed, piston stroke),
- Industrial computer with IT system (integrated with control box) that enables entering of necessary data (operator, wheel's serial number, date, pressing parameters), as well as registration and archiving of technological processes (force/distance diagram to be compared with nominal diagram),
- Set of converters for the execution of necessary measurements,
- Hydraulic station with servo-motor,
- Overhead crane for wheel set transport to and out of the press,
- Set of accessories necessary for transport and hoisting of sub-assemblies,
- High pressure pump with accessories for support of wheel disassembly process,
- Main switch, overload protection, phase control system, emergency stop buttons.

COMPONENTS

- Frame,
- Fixed beam,
- Hydraulic feeder,
- Reaction beam,
- Electrical switchboard,
- Control box for press,
- Overhead crane,
- Technological tooling hydraulic unit,
- Electrical cabinet with control panel, PLC controller, laptop or built in computer with a database and printer,
- Customised analysis software ASCO RAIL,
- Customized analysis software ASCO RAIL.

CHARACTERISTICS	DATA
Piston Force	2500 kN
Stroke	500 mm
Working speed	1 - 5 mm/s
Distance between main column and resistance column (adjustable)	500 - 2250 mm
Measurement error of applied axial load	±0,1 kN
Measurement accuracy of vertical movement	±0,1 mm
Accuracy of load monitoring (wheel on rail)	± 2%
Nominal Voltage	415 V ± 10%, 3-phase, 4-wire, 50 Hz
Installed power	Approx. 7 kW

