

BOLT TENSIONER TEST BENCH

CALIBRATION & TESTING SYSTEM

PRODUCT OVERVIEW

The POWERMASTER Bolt Tensioner Test Bench (BTTB) is a compact calibration and testing system designed for hydraulic bolt tensioners. It enables simultaneous measurement of hydraulic pressure and generated tensile load in a dedicated enclosed testing environment.

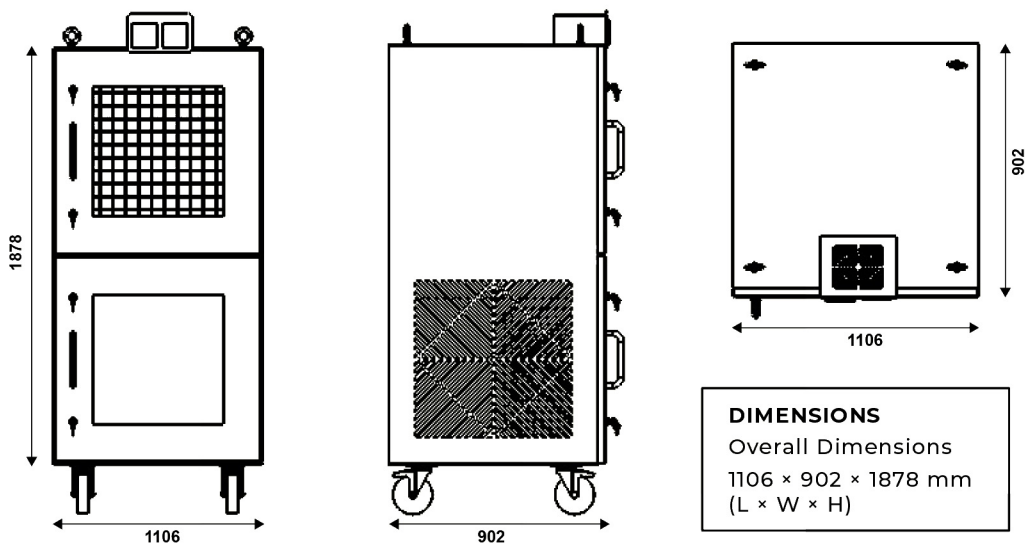
With an integrated hydraulic power unit and mobile design, the BTTB provides a practical solution for workshops, service centres and industrial maintenance facilities.

KEY FEATURES

- 4000 kN (400 Ton) maximum testing capacity
- Suitable for hydraulic bolt tensioners from M20 ($\frac{3}{4}$ ") to M100 (4")
- Simultaneous hydraulic pressure and tensile load measurement
- Integrated PM-EH-1500 electric hydraulic pump
- Portable digital display unit for pressure and load
- Dedicated calibration and testing chamber with LED illumination
- Lockable safety door with protective mesh
- Multiple mounting locations for different bolt tensioner sizes
- Sliding hydraulic pump drawer for easy access and maintenance
- Lockable lower service compartment
- 360° lockable swivel wheels for workshop mobility
- Integrated lifting lugs for handling and transportation



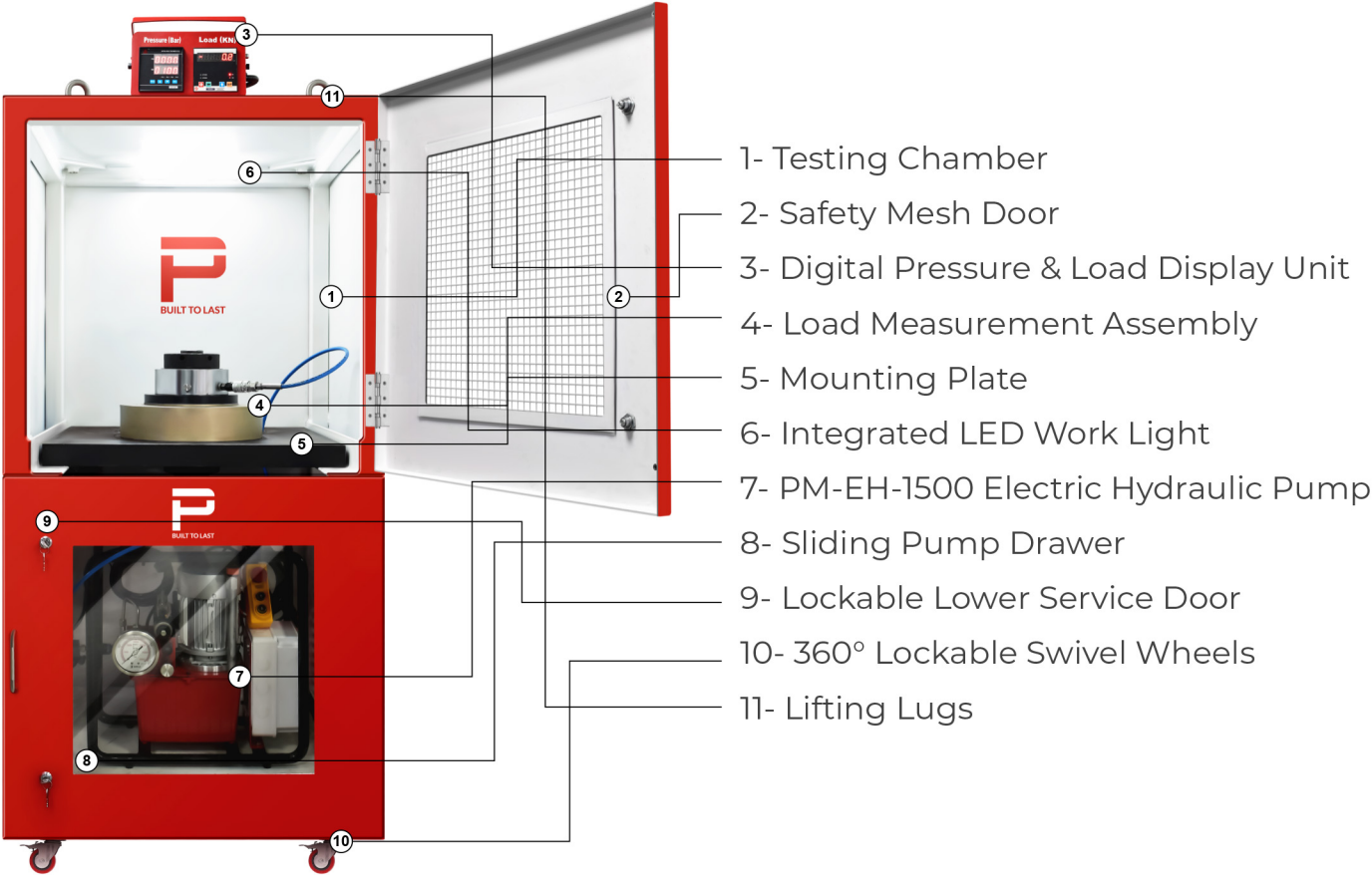
DIMENSIONS



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PRODUCT HIGHLIGHTS



TECHNICAL SPECIFICATIONS

PARAMETER	SPECIFICATION
Maximum load capacity	4000 kN (400 Ton)
Bolt size range	M20 (¾") to M100 (4")
Hydraulic pump	POWERMASTER PM-EH-1500
Maximum pressure	1500 bar
Hydraulic flow	3.0 L/min (1st stage), 0.7 L/min (2nd stage)
Motor power	0.7 kW
Power supply	230 V AC, 50 Hz, single phase
Hydraulic reservoir	5 litres
Display	Portable digital pressure & load display unit
Pressure indicator accuracy	±0.25%
Load cell accuracy	±1%
Dimensions (L × W × H)	1106 × 902 × 1878 mm

APPLICATIONS

- Oil & Gas
- Petrochemical
- Refineries
- Power Generation
- Steel Plants
- Heavy Engineering
- Maintenance & Shutdown Services
- Calibration & Service Centres