



PT2012B

UNIVERSAL MECHANICAL PUMP TEST BENCH

**High Torque
Reliable Results
Inline & Rotary
Pump Testing Made Easy**

Diesel specialists who want to safely and reliably test new-generation high-pressure fuel injection pumps

Powerful Drive System

Special Design

20 HP AC motor

Providing high torque at low speed

Optional System

- Internal Lube Oil Transfer System
- Internal Chiller System

Features & Benefits

- **20 HP / 15 kW AC motor with electronic control:** a powerful drive system that delivers high torque at low speed.
- **Ø110 mm coupling:** a robust design for safe and reliable testing.
- **12-cylinder glass tube** measuring system (for multi-outlet delivery measurement).
- **Measuring console:** 180° rotation around the pump bed, 2-axis movement on the swing arm, and a height-adjustable "jack-up" structure.
- **Angled control panel surface + touch-button area:** presents test parameters at the most ergonomic viewing angle for the operator.

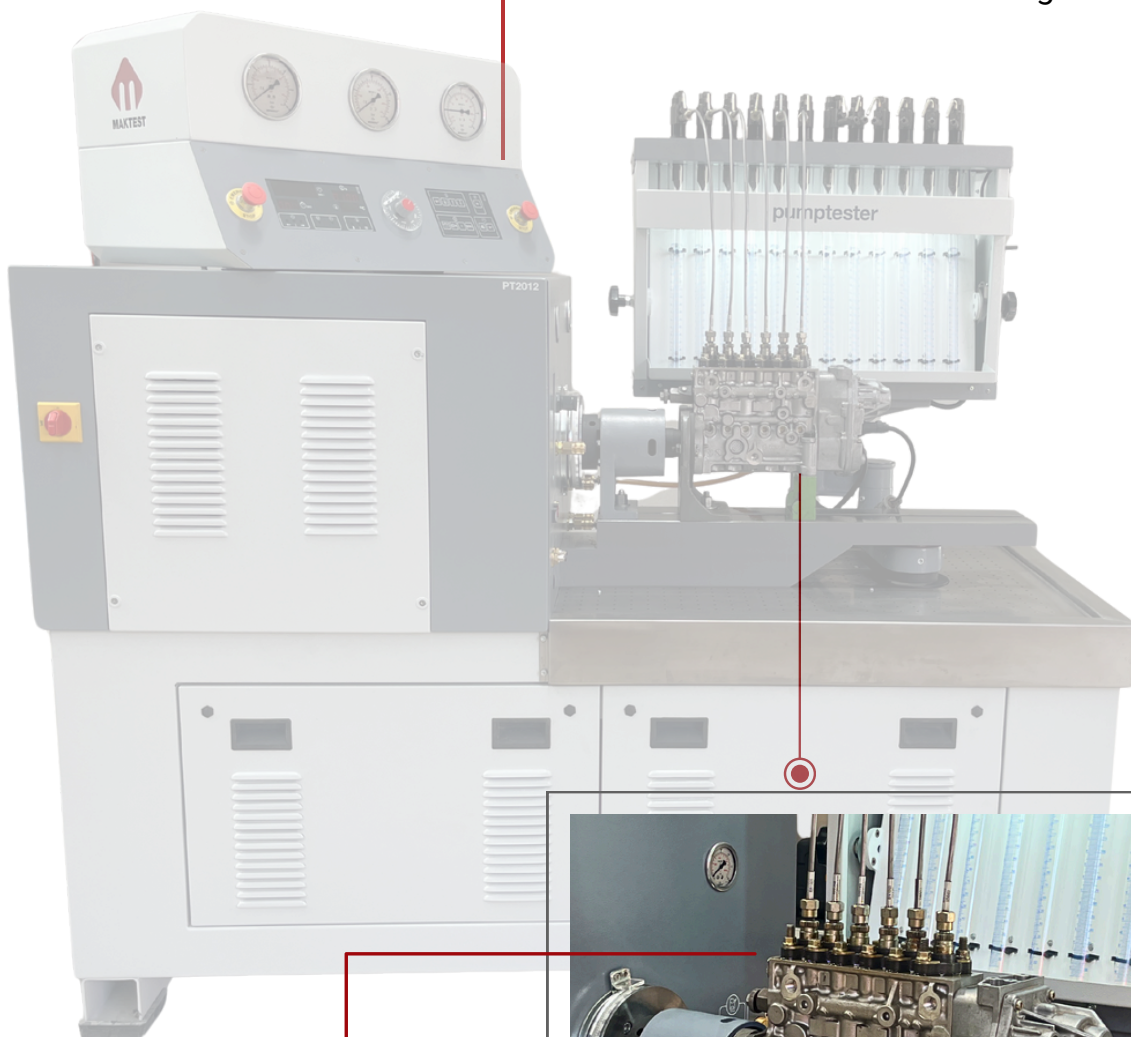
MEASURING CONSOLE

The new console design can rotate 180° around the pump mounting bed. The 2-axis movement on the swinging arm makes it easier to mount various types of pumps and systems. The console height can be adjusted as needed via the jack-up mechanism.



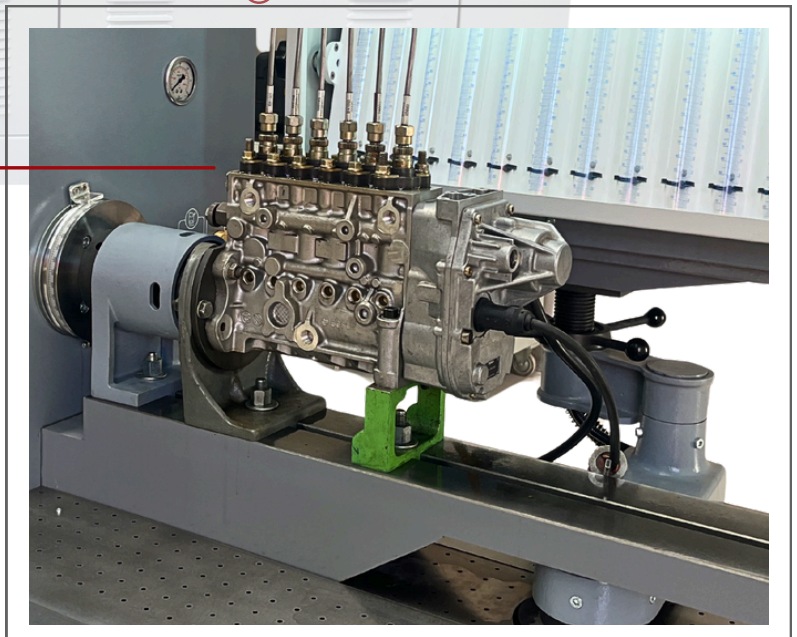
CONTROL PANEL

Control panel is located on the inclined surface aims to display the test parameters in the most convenient way. The touch button panel is also placed on the same surface to enable you to reach at every possible angle and distance during the entire run time.



DURABLE AND STRONG DESIGN

The $\varnothing 110$ mm coupling ensures your safety with its durable and strong design and provides reliable testing of the new technology high-pressure output fuel injection pumps.



PT2012-B – What's Included (Standard)

Adaptors, couplings, and flanges for the most common inline and rotary/distributor pumps
12 pcs test injectors (12SD12 – ISO 4010)

Test pipes:

8 pcs: 6×2×12×600 (1 680 750 014)

8 pcs: 6×2×14×600 (1 680 750 089)

6 pcs: 6×2×12×840 (1 680 750 017)

Quick action clamp for inline pumps

Inline pump brackets for different mounting heights (100 / 97 / 106 mm)

PT2012-B – Technical Specifications

Speed range: 40–4000 rpm

Drive system: 20 HP direct drive / 15 kW AC motor (electronically controlled)

Flywheel inertia moment: 1.5 kg·m² (optional: 0.8 / 1.8 kg·m² depending on application)

Test fuel transfer pressure: 0–6 bar (reference: 4.0 bar / 60 psi)

Lubrication oil transfer pressure: 0–6 bar

Cooling: Water-cooled

Test oil tank capacity: 50 L

Utilities

Electrical supply: 360–415 VAC, 50/60 Hz, 3-phase, 62 A

Water supply: 2.0–4.0 bar, max. 20°C

Air supply: min. 5 bar, oil-free & dry, approx. 6 L/min

Dimensions & Weight

Machine dimensions (W × D × H): 2150 × 1080 × 1080 mm

Machine weight: 980 kg

Packing dimensions (W × D × H): 1915 × 980 × 1800 mm

Packing weight: 850 kg