

Diesel Fuel Injection Pump Test Bench

This diesel fuel injection pump test bench is engineered for evaluating the performance of diesel injection pumps. It features instrumentation for precise measurement of fuel delivery, pressure, and timing.



ADDITIONAL IMAGES



Overview

Professional Diesel Injection Pump Test Bench

This 12PSB-MINI diesel injection pump test bench is a robust solution designed for the comprehensive diagnostics and calibration of diesel fuel injection systems. Engineered for precision, it allows automotive workshops and service centers to measure delivery, check mechanical governors, and calibrate distributor pumps with high accuracy. The unit features variable frequency control, low-noise operation, and integrated digital displays for real-time monitoring of speed, count, and pressure, ensuring optimal engine performance and fuel efficiency.

Technical Specifications

Main Motor Power	7.5KW / 11KW
Number of Cylinders	12
Rotation Speed Range	0~4000 r/m
Height of Principal Axis Center	125 mm
Stroke Counting Range	0-9999 Rpm
Fuel Pump Motor Power	0.75 KW
Filter Oil Precision	4.5~5.5 ¼

Key Features

Safety Systems

Over Voltage Protection • Overload Protection • Short Circuit Protection

Core Capabilities

Variable Frequency, High Output Torque, Digital Display, Built-in Air Resource, Constant Temperature Control

Diagnostics Functions

Available Diagnostic Tests

- Measurement of cylinder delivery
- Test point and interval angle of oil supply
- Mechanical governor adjustment
- Distributor pump calibration
- Supercharging and compensatory device testing
- Oil return measurement
- Electromagnetic valve testing (12V/24V)
- Internal pressure measurement
- Advance angle checking
- Body sealing check