



FEATURES

- Compact and sturdy construction
- Easy and versatile operation
- Full performance tests possible
- Design for fail-safe operation
- Extensive choice of engines
- Rapid change over of engines
- Self contained- minimum service required
- Highly flexible system permits easy Up gradation to computerized system.

Automotive Diesel Fuel Injection System Test Bench Order Code : 32682 is manual operating type and includes diesel fuel supply system. Test stand is a kind of motor direct output test stand, it adopts advanced technology of frequency conversion speed-adjusting, digital display and automatic control of temperature with the advantages of good speed-regulating performance, accurate measurement, easy to operate, and low noise

The diesel fuel supply consists of the following components:

- Multi-Cylinder Test bench - Direct Drive with 100% output - Frequency variable speed control
- Easy to read digital display - Touch button display panel - Max speed 4000 RPM with +/- 1 RPM accuracy
- Automatic speed select with manual override - Automatic shot count select 0-9999 revolutions
- Tank capacity 60 litres - Oil pressure supply 0 to 4

Note: Specifications are subject to change.

Tesca Technologies Pvt. Ltd.

IT-2013, Ramchandrapura Industrial Area, Sitapura Extension,
Near Bombay Hospital, Vidhani Circle, Jaipur-302022, Rajasthan, India,
Tel: +91-141-2771791 / 2771792; Email: info@tesca.in, tesca.technologies@gmail.com
Website: www.tescaglobal.com

Computerized Test Bench



- bar
- Built in boost supply
- Graduate capacity 0 to 45ml & 5 to 150 ml
- 12V & 24V D.C supply
- Back leak flow meter

- Pressure phase
- Built in heater & cooler with automatic temperature control
- Built in vacuum pump
- Fuel tank
- Fuel pipe
- Fuel pump
- Fuel filter
- High pressure pipe
- Injection nozzle
- Return pipe

List of Experiments

- Experiment and adjusting of behavior of supercharging and compensatory.
- Measurement of oil return of distributing pump.
- Measurement of the internal pressure of distributor pump..
- Measurement of each cylinder delivery at any speed.
- Test point and interval angle of oil supply of injection pump.
- Testing of the electromagnetic valve of distributor pump. (12V/24V).
- Checking the sealing of injection pump body.
- Checking and adjust the mechanical governor.
- Checking and adjusting the distributor pump.

The system is individual injection pump type to show the operating principle and structure of governor, timer and injection nozzle. The injection pressure and spray pattern allow to analyze by adopting two fuel pressure gauges and visible cylinder. The system operates on single phase 240V geared motor. The equipment is mounted on mobile robust frame.

Accessories

- The System comes complete with all accessories required for training and teaching the principles, theory & practical technology.

Manuals

- Operating instructions
- Student experiment book
- Teacher's answer book.

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