



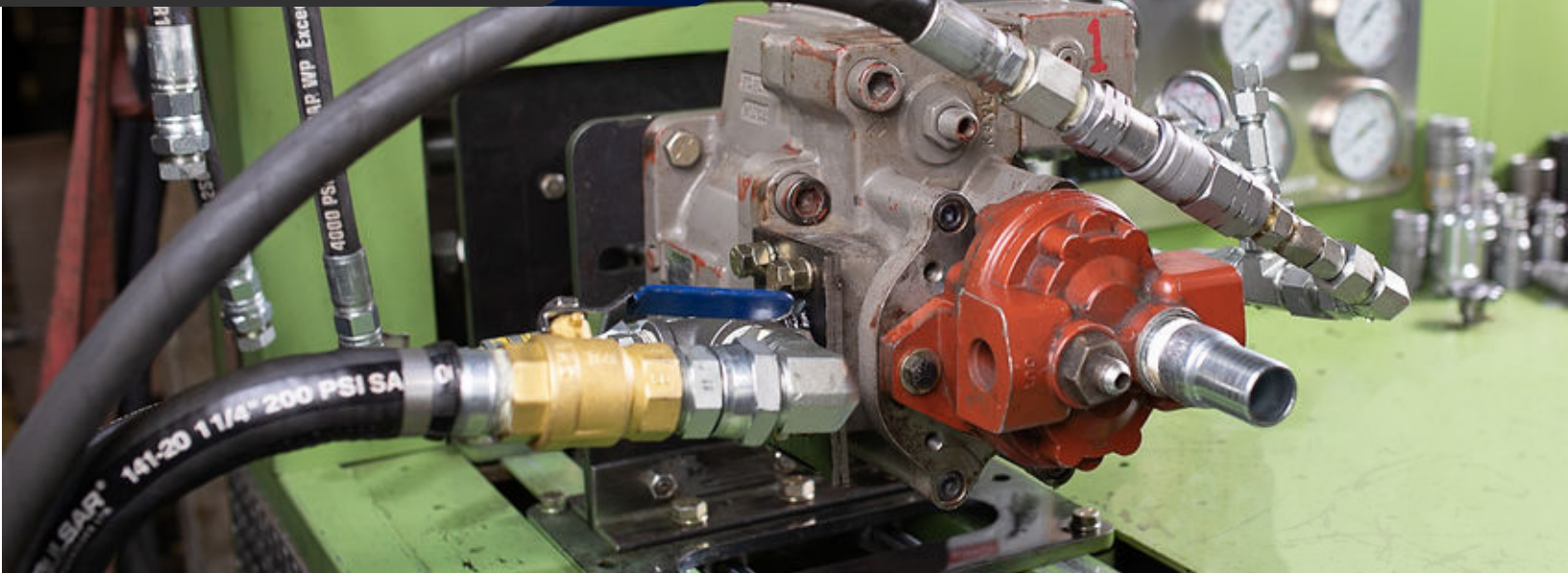
HYDRAULITECHS

HYDRAULIC TEST RIG

HTR 500

The HTR 500 hydraulic test rig is a multi-functional universal test stand, capable of testing an extensive range of hydraulic components such as hydraulic pumps, motors, valves, cylinders and other components. It is designed for general shop testing and can test all makes and models of hydraulic components. Component performance is determined by comparing test results with the manufacturer's specifications.

Utilizing the benefits of the HTR 500 will give you peace of mind when you deliver products to your customers.



TEST ITEM METRICS AND CAPACITY

The HTR 500 is capable of testing components such as pumps, motors, drives, valves, cylinders, accumulators, hydraulic concrete hammers, pressure relief/reducing valves, flow controls, steering units and flow dividers.

COMPONENT TYPES

- Cylinders: up to 6 GPM, 6000 PSI, all types
- Motors: closed loop/open loop
- Pumps: closed loop/open loop, up to 3 sections
- Hydrostatic pumps/drives
- Valves: 3-section, simultaneous
- Accumulators
- Flow control
- Flow dividers
- Hydraulic concrete hammers
- Pressure relief/reducing valves

COMPONENT SPECS

Max weight	200 kg / 440 lbs
Max diameter	80 cm / 31 inch
Max length	200 cm / 80 inch

SPECIFICATIONS

01. POWER

- 50 hp 3-phase electric motor
- 420 volt 3-phase, 55 amp

02. Flow/Pressure

- 6 GPM @ 6000 psi
- 30 GPM @ 2500 psi
- 50 GPM @ 1350 psi

03. Data Monitoring

- Main flow and pressure
- Test item flow/pressure/power
- Electrical motor amp/voltage/power
- Test item electronic data acquisitions/monitoring for all pressure and some drain lines.

04. Auxiliary Electrical Supply

- PWM 12 volt (for test proportional valves)
- 12/24 DC outlet (for testing solenoid valves)
- Control station for running up to 3-stage valve independently

05. Hydraulic Quick Connections

- 3 case drain lines (1 flow and temp-monitored)
- 3 monitored return lines (pressure and flow)
- 3 suction lines
- 1 auxiliary charge pressure line (with adjustable and monitored pressure and flow) - this feature is utilized to help test pumps with charge line/drive with break line or small hydraulic components.

06. Universal Mount and Shaft Attachments

- Float spinning love joy shaft couplings with speed monitoring
- Easy pump/motor shaft attachments (all standard couplings supplied)
- Universal mounting system for components (accommodates SAE-A/B/C)

07. Other Main Features, include:

- Oil Drain Bed for collecting spilled oil during test process
- Protective guard for spinning shaft and coupling
- Low profile test item fixture for easy handling
- 150 L (40 gal) tank with level/temperature monitoring for main pump
- 150 L (40 gal) tank for test item with filtration and heat/level monitoring
- Internal leakage test for hydraulic cylinders



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Hydraulitechs is very easy to deal with, and they were generous going the extra mile. We are very pleased with our purchase, and we are now saving money...as well as saving our backs!"
— Wayne Bueckert, Industrial Surface Technologies.