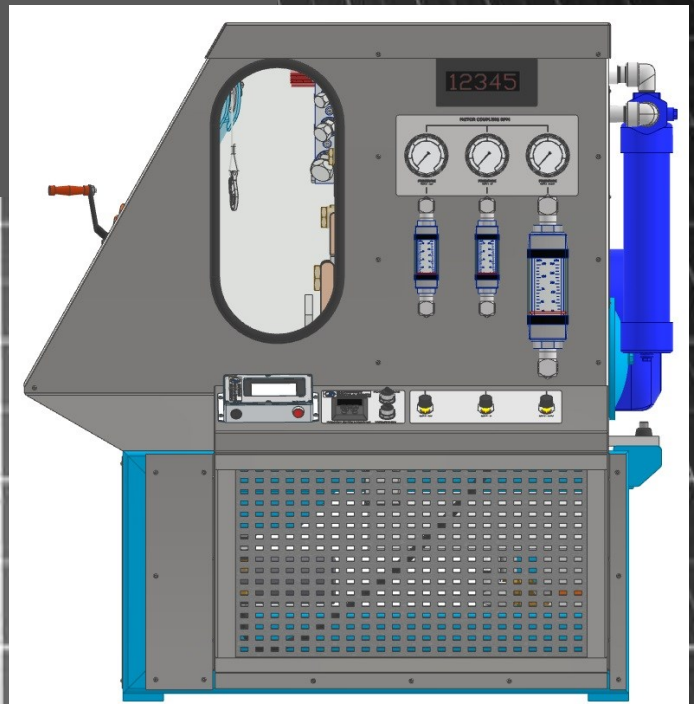
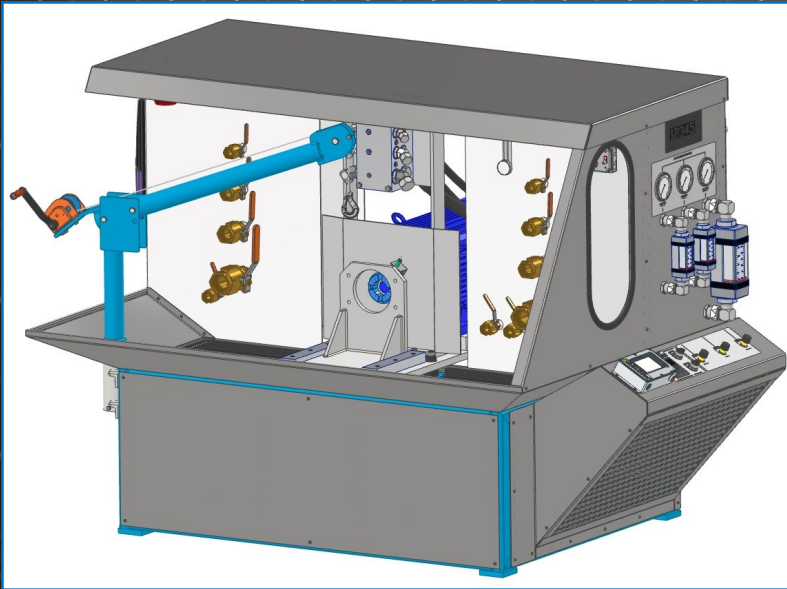


New Product!

Pump Test Stand Basic



**MACHINERY
SERVICE & DESIGN**

HYDRAULIC REPAIR EQUIPMENT

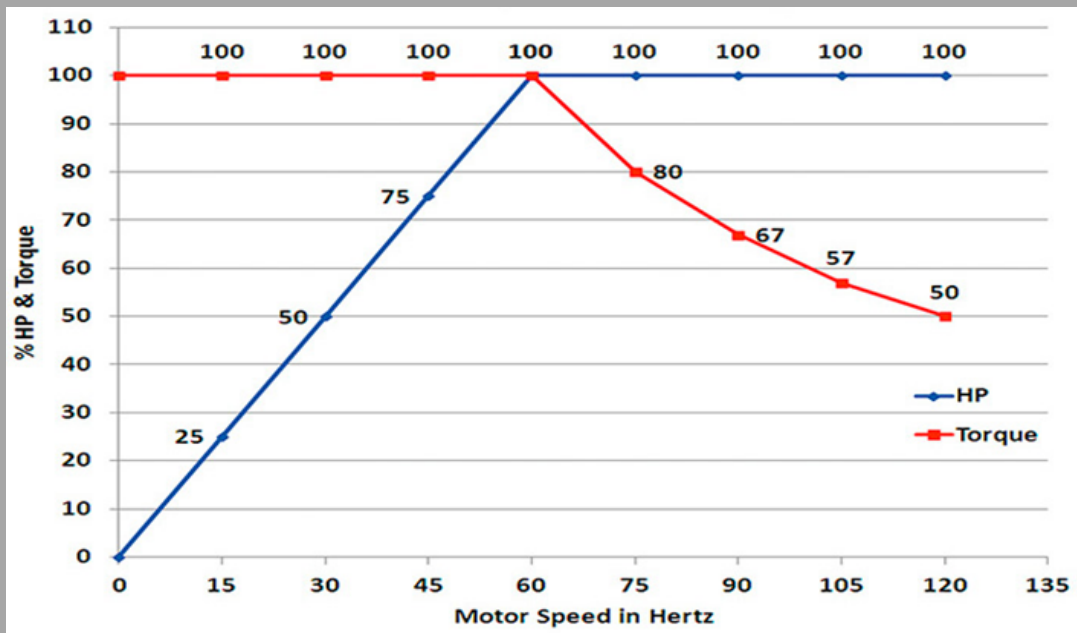
Ph: 262-513-8040

Email: sales@ms-d.com

PTS BASIC SPECIFICATION

MODEL	MSD-PTS-BASIC-40	MSD-PTS-BASIC-75	MSD-PTS-BASIC-100
MOTOR [KW/HP]	30 KW/40 HP	55 KW/75 HP	75 KW/100 HP
AMP/V 3Phase	110A/200-240V 61A/380-480V 43A/500-600V	202A/200-240V 110A/380-480V 78A/500-600V	248A/200-240V 150A/380-480V 105A/500-600V
MAX [RPM]	3560 / 120HZ	3560 / 120HZ	3560 / 120HZ
MAX TORQUE	118 FT-LBS / 1780 RPM/60HZ 160 NM/1780 RPM/60HZ	221 FT-LBS / 1780 RPM/60HZ 300 NM/1780 RPM/60HZ	294 FT-LBS / 1780 RPM/60HZ 400 NM/1780 RPM/60HZ
PUMP PRESSURE	500-5000 PSI 34-340 BAR	500-5000 PSI 34-340 BAR	500-5000 PSI 34-340 BAR
PUMP FLOW	116 - 11 GPM 439 - 42 LPM	218 - 21 GPM 825 - 79 LPM	291 - 29 GPM 1101 - 109 LPM
RESERVOIR	175 GAL / 660L	175 GAL / 660L	175 GAL / 660L
DRY WEIGHT	4000 LBS / 1815 KG	4350 LBS / 1975 KG	4550 LBS / 2064 KG

HP and Torque changes with different frequencies



PTS BASIC

Standard features:

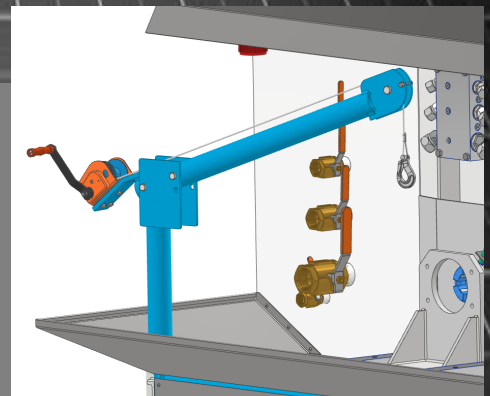
- ◆ Work Sink with Perforated Screen
- ◆ Panel mounted VFD Control & Pilot Flow Control for Ease Operation & Safety
- ◆ Pump Pressure Gauges
- ◆ Pump Flow meters
- ◆ Pump RPM Sensor
- ◆ Oil Temperature
- ◆ Pump Pressure adjustment (500-5000 PSI)
- ◆ Pump Flow adjustment (0-full GPM)
- ◆ Safety Glass between Control Panel and Work Sink Area
- ◆ Warning Light during testing
- ◆ Sink Drain pump with filtration
- ◆ High Pressure filtration
- ◆ Suction Ports NPT 1", 1-1/4", 1-1/2", 2"
- ◆ Outlet Manifold Ports 37 flare 3/4", 1", 1-1/4"
- ◆ Oil Sight Gauge
- ◆ Overhead Work Sink Light

Type of Pumps that can be tested:

- ◆ Gear Pumps
- ◆ Vane Pumps
- ◆ Piston Pumps
- ◆ or Any Rotary Pumps working in an Open Loop System
- ◆ Pumps up to Technical Specification PTS Basic
- ◆ No Hydrostatic Pumps

Optional features:

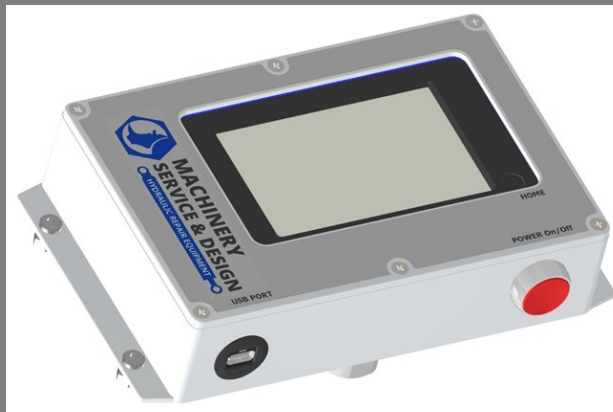
- ◆ Hand-Winch Crane for easier Test Pump manipulation
- ◆ Electrical Winch for Crane
- ◆ Data Collection -8 Input Channels
(Pressure Sensor 3x, Flow Meter 3x, RPM, Temperature)
- ◆ Digital Pressure Gauges (.25% Accuracy 0-5000 PSI)
- ◆ Digital Flow Meters
(1% Accuracy for 15-100% of range, 1.3-40GPM, 2.5-100GPM and 4-160GPM)
- ◆ Digital Temperature



PTS – Data Collection MSD-DC

The MSD-DC is an 8-channel, remote access data acquisition logger with a full-color, 5 inch touchscreen interface for real-time monitoring.

This versatile device supports thermocouple, RTD and thermistor probes to measure current, voltage, temperature, and pulse. The MSD-DC is an all-in-one solution, allowing users to view all 8 channels simultaneously without the need for a PC or software. With 1 GB of internal memory, the MSD-DC can store up to 5,000,000 readings which can be download to a USB for further analysis.



Features

- ◆ 8 Input Channels
(Pressure Sensor 3x, Flow Meter 3x, RPM, Temperature)
- ◆ Download Data Via USB
- ◆ 1 GB Internal Memory
- ◆ Programmable Engineering Units
- ◆ No Required Software
- ◆ Rechargeable Battery
- ◆ 5" Touch Screen



Sensors Specification:

Pressure Transducers

- Accuracy 0.25%
- Range 0 – 5000 PSI
- Operating Temperature
-40 - 185 F

Flow Meters

- Accuracy 1%
(for 15-100% of range)
- Range
1.3 - 40 GPM max 6000 PSI
2.5 - 100 GPM max 6000 PSI
4 - 160 GPM max 5000 PSI
- Operating Temperature
41 – 194 F

Inductive Sensor RPM

- Operating Temperature
-40 – 85 F

Temperature Probe

- Thermocouple Type J
- Range -58 – 185 F