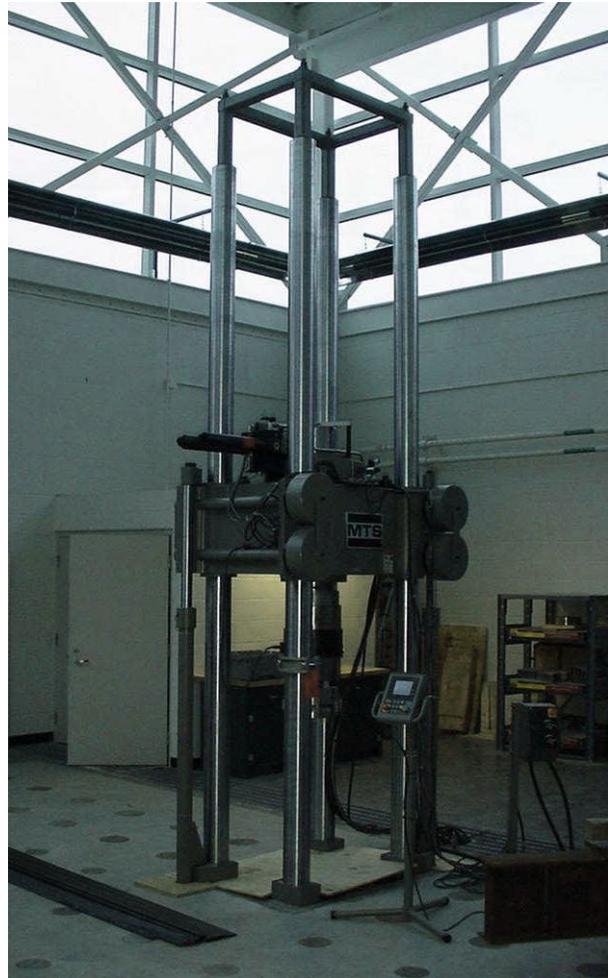


## MTS 550-kip (2,500 KN) Servo-Hydraulic Load Frame Assembly

Model 311.41S

- Fatigue rated at 550-kip (2500 KN)
- Max vertical test space: 118 inch (3000mm)
- Inside column spacing: 19.7 inch x 29.9 inch (500mm x 760mm)
- Load frame stiffness approx.  $23 \times 10^6$  lb/in ( $40 \times 10^8$  N/m)
- Actuator stroke: 5.9 inch (150 mm)
- Load frame base grouted to strong slab

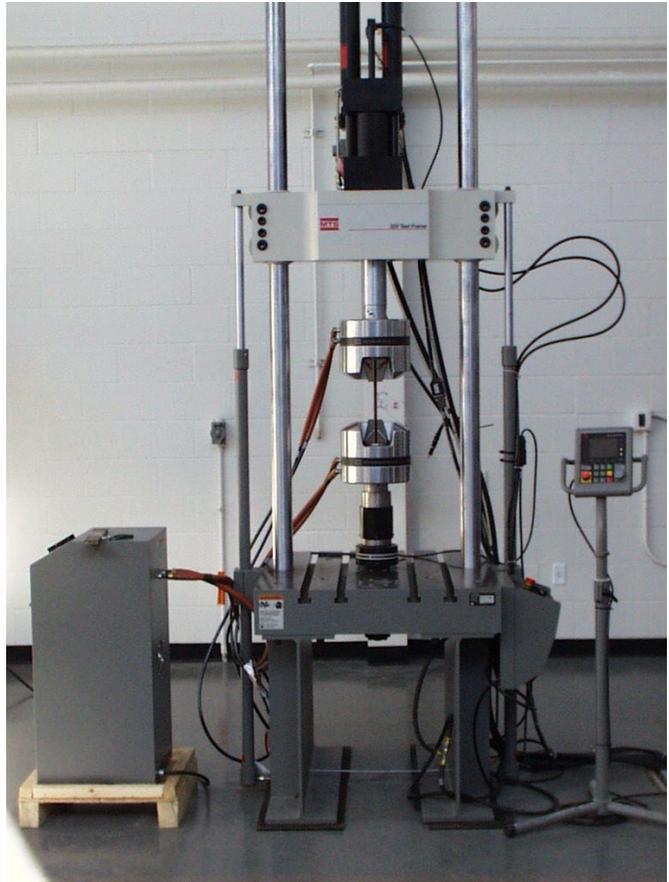


## MTS 55-kip (250 KN) Servo-Hydraulic Load Frame Assembly

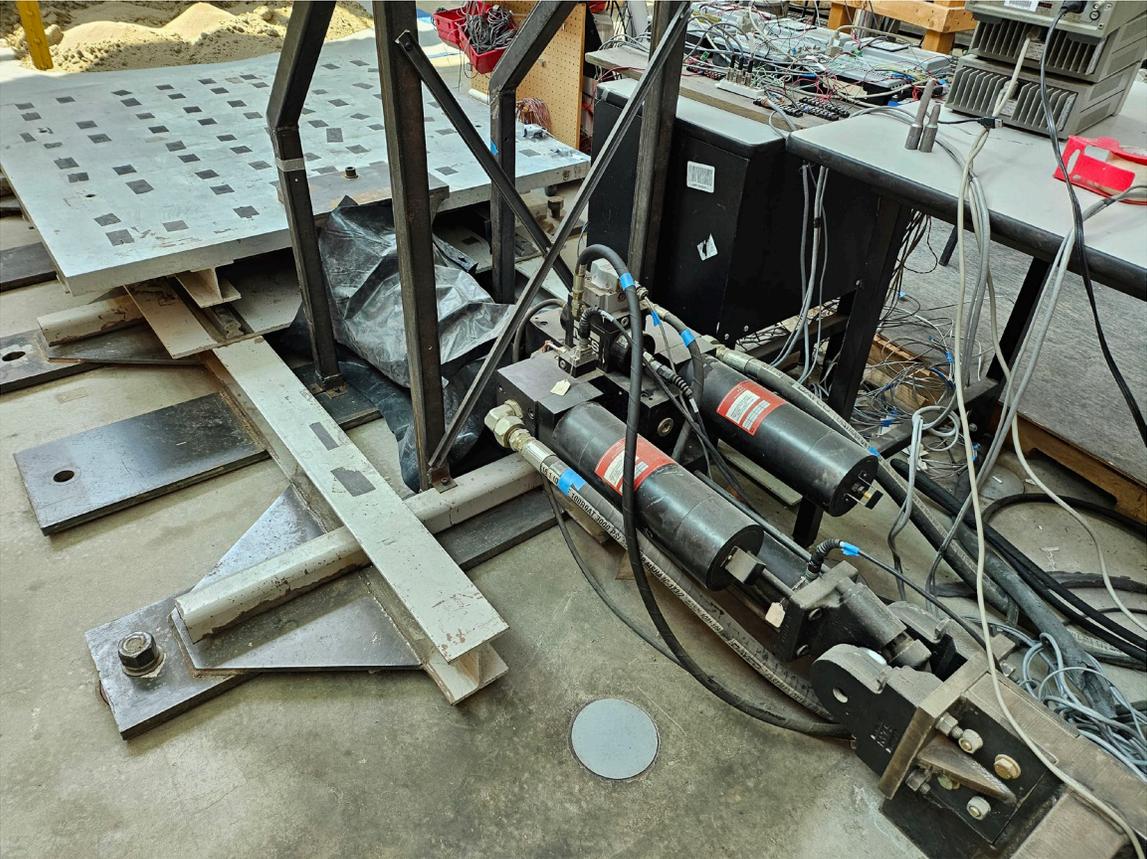
Model 322.31

Nominal dynamic load rating: 55-kip  
(250 KN)

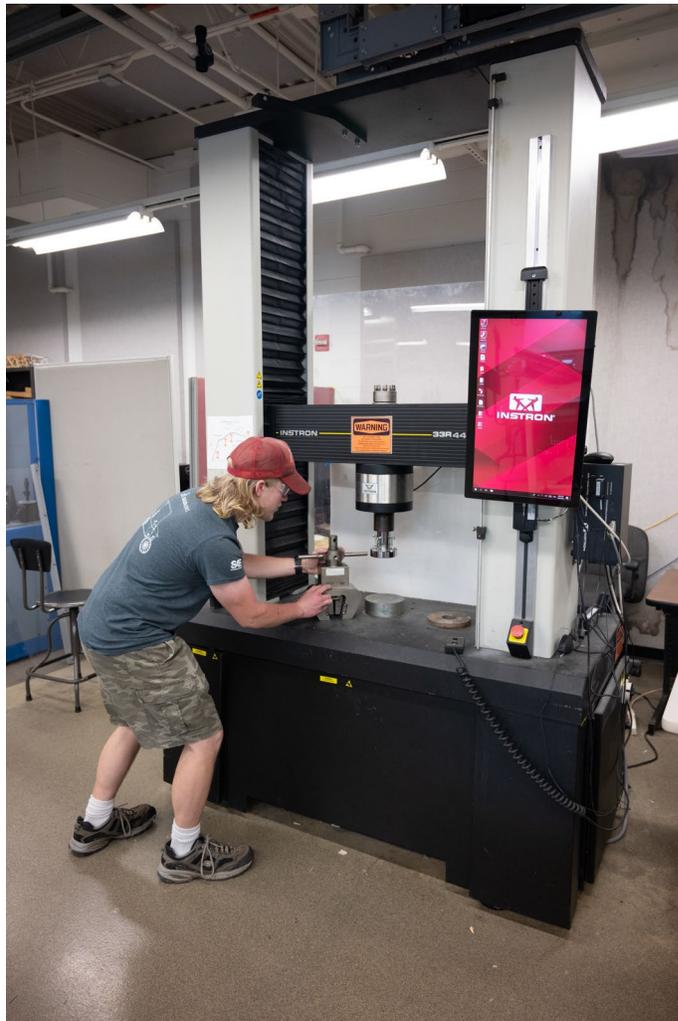
- Test space
  - Height: 8.75 inch (222mm) to 64 inch (1625mm)
  - Width: 25 inch (635mm)
- Actuator stroke: 5.9 inch (150 mm)
- Load frame base has integral T-slot table
- Choice of either hydraulic wedge grips (shown) or conventional wedge grips.
- Accessory environmental chamber: Model 651.06, temperature range - 129C (using liquid nitrogen) to + 315C (not shown).  
Inside space 13.5 inch W x 17 inch D x 32.5 inch H  
(340 mm x 430 mm x 406 825 mm)



MTS High frequency shake table



**Instron 200- kip Benchtop Servo-Hydraulic Load Frame Assembly with extensometer**



### **MTS Hydraulic Power Supply (HPS)**

Model 505.30

Maximum Pressure 3,000 psi @ 30 gpm (114 lpm)

### **MTS 11-Kip (50-kN) Hydraulic Actuator**

Model 244.21

Assembly No.

- 10-inch dynamic stroke, 4.6-inch static stroke
- Model 256.09A-01 Servovalve, 90 gpm, 4-port, 3-stage

### **MTS 22-Kip (100-kN) Hydraulic Actuator**

Model 244.22

Assembly No. 100027927 Rev. A

- 4-inch dynamic stroke, 4.6-inch static stroke
- Model 252.25G Servovalve, 15 gpm

### **MTS 35-Kip (150-kN) Hydraulic Actuator**

Model 244.23

Assembly No.

- 6-inch dynamic stroke, 4.6-inch static stroke
- Model 256.09A-01 Servovalve, 90 gpm, 4-port, 3-stage

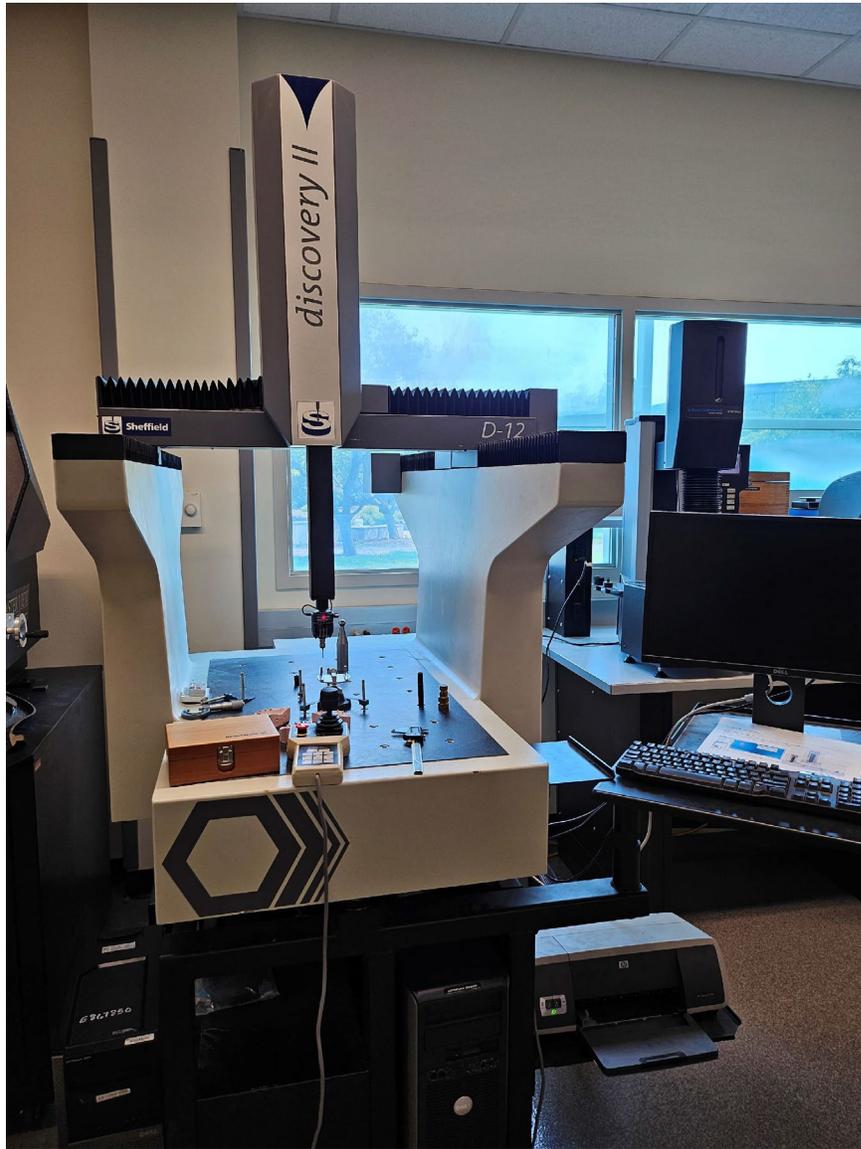
### **MTS Hydraulic Service Manifold**

Model 293.11 A-03

Assembly No. 495030-05 Rev. B

- 3-port (one port currently used for Model 244.22 actuator)
- 50 gpm flow capacity

Discovery 2 CMM with probes



## Willson Hardness tester



## Low Speed Wind Tunnel



**Chamber – 5\*3\*2 Ft**

## FreeScan 3D scanner



- High-speed Scanning 50 (Combo+) or 26 (Combo) laser lines
- Detailed Scan 7 laser lines
- Deep Pockets 1 single line
- No Markers Scan Infrared mode
- Accuracy 0.02 mm
- Max. FOV 520 × 510 mm / 600 × 600 mm
- Volumetric Accuracy 0.02 + 0.033 mm/m
- Point Distance 0.05 ~ 10 mm / 0.1 ~ 3 mm
- Scan Speed Up to 3,600,000 points/s
- Weight 620g
- Certifications CE, FCC, ROHS, WEEE, KC, FDA, UKCA, IP50, TISAX
- Accuracy Certification VDI/VDE 2634 Part 3 (ISO 17025 certificated lab)