

## 22 kN (5 kip) MTS uniaxial servo-controlled Testing Frame



**Load frame:** 309 series 4-pole system installed on the floor

- The cross head is driven manually
- Maximum length of specimen: 1.5 m (59 in.)

**Actuator:** 205 series

- Static load capacity:  $\pm 22$  kN ( $\pm 5$  kip)
- Dynamic load capacity:  $\pm 13$  kN ( $\pm 3$  kip)
- Piston displacement (stroke):  $\pm 76.2$  mm ( $\pm 3$  in.)

**Grips:** no standard grips

**Hydraulic Power Supply:** 503.13 series

- Volume capacity:  $4.4 \times 10^{-3}$  m<sup>3</sup>/s (70 GPM)
- Pressure: 20.7 MPa (3,000 psi)

**Controller:** FlexTest 40

- Control modes: position, load, strain I, strain II
- Computer: Centris 650 for both control and acquiring data from up to 16 channels using LabView software