Universal test machine sample sizes:

(Test standard libraries are available in the software for most machines)

**Instron 5985**

**Tensile**

±250kN (56kip) Fatigue Rated Hydraulic Wedge Grips.
- Suitable for gripping flat or round specimens
- Features side-entry design with full access for easy specimen insertion from the side without actuator movement
- Adjustable specimen stops on flat faces provide accurate specimen centring
- Suitable for tension and compression including full reverse-stress dynamic testing capability
- Temperature Range: +4 to +65 °C
  - Flat serrated jaw faces 100mm wide for gripping flat specimens 1-12mm thick)
  - Vee jaw faces for gripping round specimens 5-10mm diameter
  - Vee jaw faces for gripping round specimens 10-16mm diameter

**Compression**

Compression Platen (Anvil), 150 mm (6 in) Diameter. Capacity: 300 kN. Temperature Rating: -150 to 300 C.

**Flexural**

Flexure Fixture, 3-Point Bend, Capacity: 250 kN
- Span: 10 - 600 mm
- Temperature Range: -100 °C to +350 °C
- Upper anvil: 100 mm diameter
- Lower anvil: 50 mm diameter
- Requires optional anvil set(s)

Meets:
- JIS A5905, JIS A5906, JIS A5908, JAS 112, JAS 601,
- BS 373, BS 5669, EN 310, EN 789, ISO 3133,
- ASTM D 1037 and ASTM D 143
testing standards with suitable optional anvil sets/four-point upper beams/deflectometer

Bend Fixture Conversion Kit for above, 3 Point To 4 Point
- 50mm diameter rollers
- Upper span is adjustable from 50 to 200mm

Bend Fixture Lower Beam for Wood and Fibreboard.
Capacity: 50 kN (5,000 Kgf, 11,250 lbf).
Maximum Span: 1,200 mm (47.2 in)
Temperature Range: Ambient only

Meets:
JIS A5905, JIS A5906, JIS A5908, JAS 112, JAS 601, BS 373, BS 5669, EN 310, EN 789, ISO 3133, ASTM D 1037 and ASTM D 143 testing standards with suitable optional anvil sets/four-point upper beams/deflectometer

Requires optional anvil set(s)
3 point Rigid Anvil set; 30 / 15 mm dia.
Upper; 30 mm dia., 100 mm wide
Lower; 15 mm dia., 100 mm wide
Meets: BS EN 310

**Instron 3369**

**Tensile**
Wedge Action Grips, Capacity: 50 kN (6,700 lb, 3,000 kg).
Temperature range: -70 °C to 250 °C (-100 °F to 480 °F).

- Flat Serrated. Flat specimen thickness range: 0 to 6.4 mm (0-0.25 in).
- Vee Serrated. Specimen diameter range: 3.2 - 7.8 mm

**Compression**
Compression Platen (Anvil), 150 mm (6 in) Diameter.
Capacity: 100 kN. Temperature Rating: -150 to 300 C.

**Flexural**
Flexure Fixture, 3-Point Bend, Capacity: 5 kN (1000 lb, 500 kg). ASTM D790, ISO 178, ISO 14125
Maximum Span: 194 mm (7.64 in).
Minimum Span (4 mm anvil): 4 mm (0.16 in)
Minimum Span (10 mm anvil): 10 mm (0.39 in)
Temperature Range: -100 °C to +350 °C
Upper Anvil: 10 mm diameter.

Lower anvil supplied, diameter: 10 mm.

10 mm minimum span.

**Testometric FS100SCCT**

**Flexural**

100kN 3 point bend fixture for concrete, span 200 to 1000mm, with self aligning roller supports 38mm dia by 320mm long. Self aligning loading roller 38mm dia. By 320mm long.

**Testometric FS500CT**

**Tensile**

Pair of 500kN pre tightening wedge grips for specimens up to 60mm wide x 50mm thick, or to suit 10mm to 50mm diameter specimen.

- Vee faces for round specimens 10-20mmØ. Capacity 500kN
- Flat faces for flat specimens 0mm to 20mm thick. Capacity 500kN
- Flat faces for flat specimens 20mm to 40mm thick. Capacity 500kN
- Small side tensile test. 10kN, flat faces for flat specimens 25mm wide x 12mm thick.

**Compression**

Compression platens 150mm round, 500kN

**Flexural**

3 point bend, span 130-350mm, 100mm wide. Maximum capacity 300kN

3 point flexural fixture for timber to EN310 with 15mm diameter support rollers and 30mm diameter loading bar, 100mm wide. Span 50 to 1000mm. Capacity 10kN

**Instron 8502**

**Tensile – Fatigue machine**

- Flat faces for flat specimens – 2 – 7.5mm, 50mm wide.
- Vee faces for round specimens – 5 – 10.5mm.
- Vee faces for round specimens – 9 – 14.5mm.
- Vee faces for round specimens – 13 – 18.5mm.
- Vee faces for round specimens – 17 – 22.5mm.

**Tinius Olsen H20K-W**

**Tensile** - Conforms to EN10002-2, ASTM E4, Din51221, ISO 7500/1

20kN capacity, flat faces for flat specimens - 0 - 30mm wide.