

Plastics Technology, Lightweight Design

2. Measurement Systems



Analysis of the mechanical properties and behavior of materials

Universal test machine

- Tensile test, compression test, torsion test and bend test by max. 20kN
- optional thermal stress test (20 °C – 200 °C)
- DIN EN ISO 527-1, -2; DIN EN ISO 178

Universal test machine

- Tensile test, compression test, torsion test and bend test by max. 50kN
- DIN EN ISO 527-1, -2
- Special tests possible



Pendulum machine

- Impact strength test
- CHARPY DIN EN ISO 179-1
- IZOD DIN EN ISO 180

Hardness tester

- Testing the Shore hardness: HBA und HBD
- DIN EN ISO 868 and DIN ISO 7619-1
- Ball impression hardness DIN EN ISO 2039-1
- Microhardness of surface layers DIN EN ISO 4516

