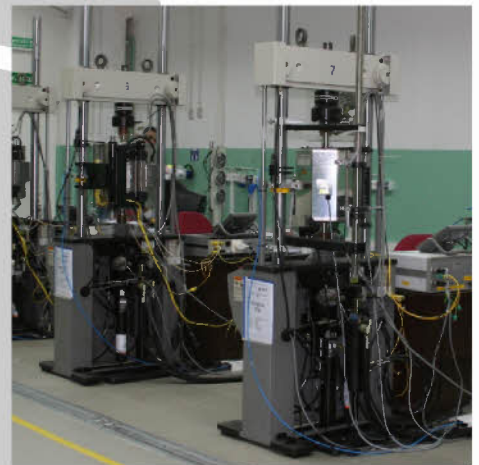


## MATERIAL TESTS

### Mechanical testing of metallic materials

- Static strength tests (tension, compression, bending),
- Strain/load-controlled low & high cycle fatigue tests,
- Creep tests.

We are able to prepare specimens for tests in Machining Workshop (according to the ASTM standards or other standards requested by the client).



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## MATERIAL TESTS

Test type	Specimens and tested elements	Load range	Test temperature	Equipment
Low Cycle Fatigue tests (LCF), strain or load controlled	Specimens in accordance with ASTM or other standards (length up to 500 mm)	Tension and compression load: up to 250 kN Frequency: up to 10 Hz	up to 900°C (1600°F)	26 test rigs (MTS 310, MTS 810, Instron servo-hydraulic)
High Cycle Fatigue tests (HCF)	Specimens in accordance with ASTM or other standards (length up to 100 mm)	Tension and compression load: up to 250 kN Frequency: up to 60 Hz	up to 900°C (1600°F)	26 test rigs (MTS 310, MTS 810, Instron servo-hydraulic)
Static strength tests (tension, compression, bending)	Specimens in accordance with ASTM or other standards (length up to 800 mm)	Tension and compression load: up to 250 kN	up to 900°C (1600°F)	14 test rigs (MTS 810, Instron servo-hydraulic)
Creep tests, Stress Rupture	Specimens in accordance with ASTM or other standards (length up to 150 mm)	Tension load: up to 50 kN	up to 1100°C (2000°F)	36 test rigs (creeps), including 14 with lift to cycle tests (LCF Long Dwell)

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