

Our high capacity test rigs allow testing on a variety of test pieces in static loading (round bar and flat strip tests, notched tensile tests, cross-weld tensile tests). The tensile force is obtained through displacement-controlled hydraulic pistons. Specimens can be cooled and are extensively instrumented. Measured quantities include:

- Tensile force (load cells)
- Strains in separate sections of the specimen and global strain (LVDT's)
- Crack Mouth Opening Displacement CMOD (clip gauge)

The 8000kN tensile test rig is commonly used to test curved wide plate samples (coupon of 300mm wide extracted from pipe) or full pipe testing tests up to 300mm (12").

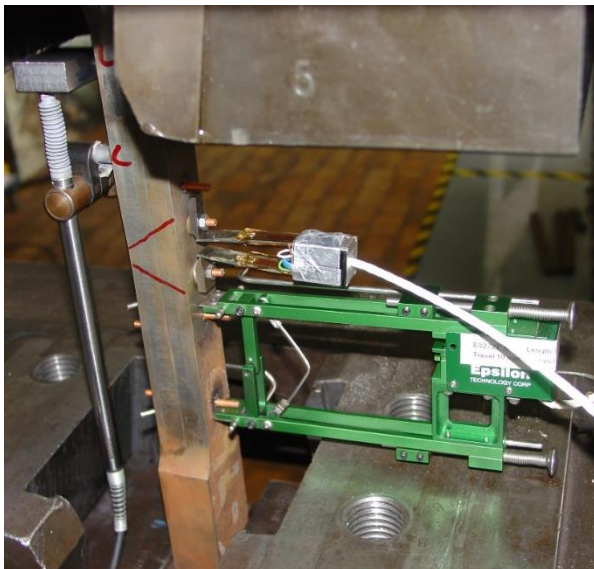


Figure 1: 600 kN testrig

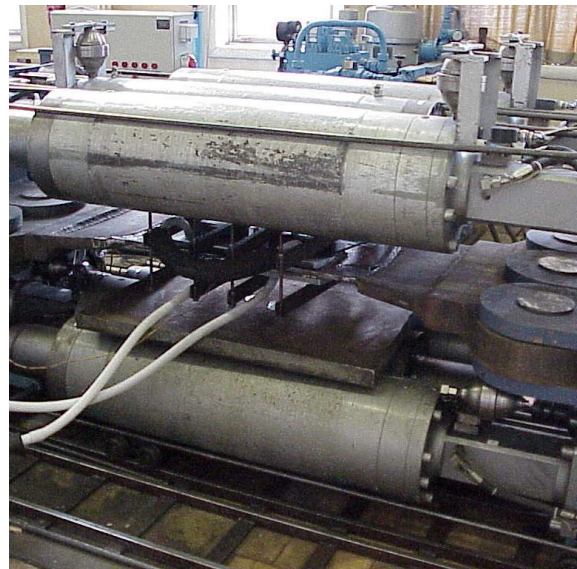


Figure 2: 8000 kN testrig

TEST RIG CHARACTERISTICS

Property	Amstler 600	8000 kN tensile test rig
Force	Max. +/- 600 kN	Max. + 8000 kN
Loading direction	Tension / compression	Tension
Width / Height	700 mm	300 mm
Length (without grips)	1700 mm	2250 mm
Temperature range	-60 °C up to 200 °C	