



Product Data Sheet IKM – Workshop

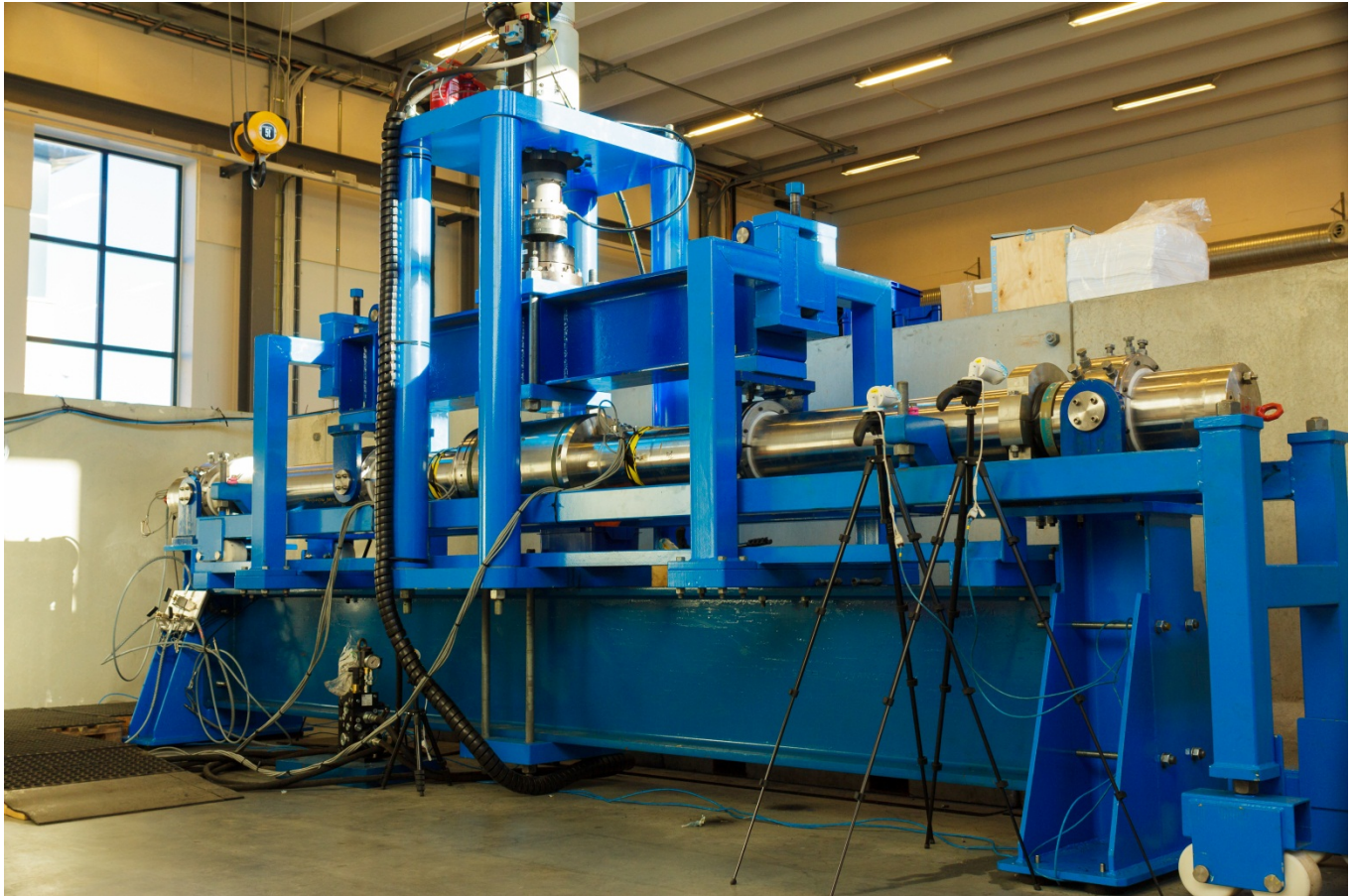


Figure 1 Test Bench Overview

Mechanical Testing

Compression tests	Stationary or sequential	
Bending tests	including pressurization	i.e fatigue tests
Pressure tests (parallel tests available simultaneously)	up till 15.000 psi (upgrade possible if required)	medium - water



Hydraulic System

Force	+/- 400kN	Hydropuls PL400N Double acting cylinder
Stroke	250 mm	
HPU	Pressure: 280 bar Flow: 20 l/min Power: 15kW	PP26MA
Software	RS Studio	Labtronic 8800ml 4 double channels
Frequency	max 10Hz (no lower limit)	

Structural

Specimen Limits		
- Length	max 6,5m	modification possible
- Diameter test pipe	max 260mm	modification possible
- Diameter specimen	600 x 600 [width x height]	modification possible
- Weight	10 Te	maximum

For dimensions out of these limits there may be options available depending on the shape of the specimen, contact IKM Pressure Control AS for further information.



Monitoring

Cameras	7 x Cameras (free standing) 1 x Stationary Camera, including pan, tilt & zoom	All cameras have video/still recording facilities.
Load	Instron 8800 Load Cell PM400LG2 (Accuracy class 0,1)	Wave generator facilitates multiple mode of visualization
Strain	QuantumX 16	16 channel strain gauge amplifier
Displacement	Steps of 0,1mm	System may be run on displacement or load/strain
Safety Load/displacement and/or pressure settings provides envelopes for shut-down.		

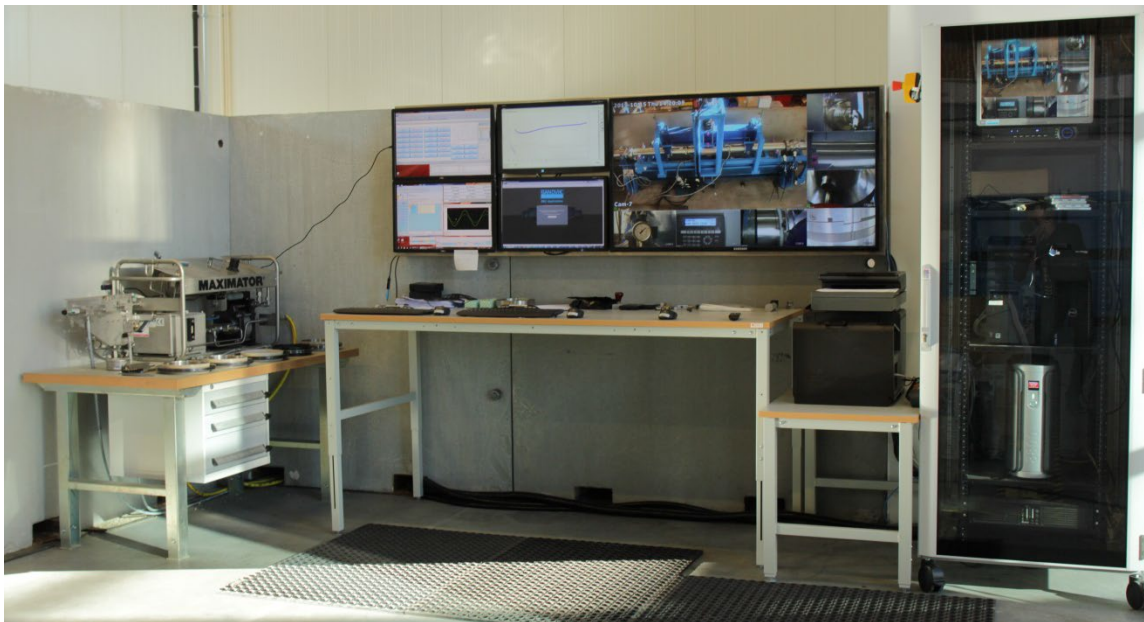


Figure 2 Controls