

UNIVERSAL TESTING MACHINE

UTK 200 MPC

Capacity - 2000kN

Leaders in
Material Testing and
Dynamic Balancing



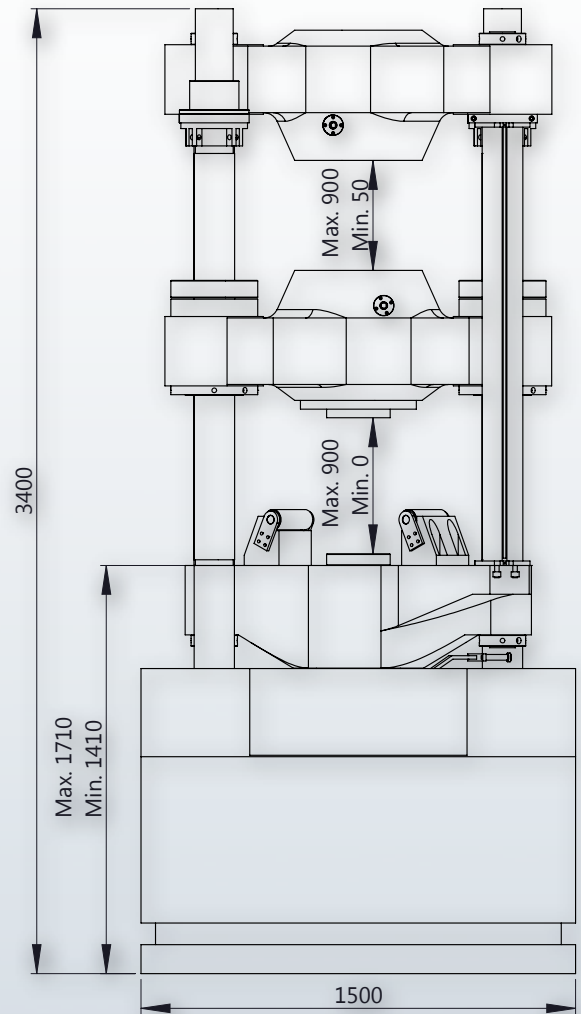
FEATURES:

- ▶ Specially designed for high tensile TMT bars.
- ▶ Supports Tensile, Compression, Transverse, Shear and other similar tests.
- ▶ Load capacity 200 Ton (2000kN).
- ▶ Testing of round bars from 20 to 80 mm.
- ▶ Stroke length of 300mm.
- ▶ Available in Mechanical and Computerized control Panel.
- ▶ PC based software for capturing load Vs extension data and extensive analysis report.



UTK 200 MPC Specifications

MODEL	-	UTK-200 MPC
Maximum capacity	kN	2000
Measuring ranges 1,2,3,4	kN	0-2000, 0-1000, 0-500, 0-200
Resolution for above load ranges with mechanical system	kN	4, 2, 1, 0.4
Resolution with electronic system with auto-ranging.	kN	0.1 up-to 400 0.5 above 400
Clearance for tensile test at fully descended piston	mm	50-900
Clearance for compression test at fully descended piston	mm	0-900
Max. distance between support rollers	mm	900
Clearance between columns	mm	1030
Piston stroke	mm	300
Piston speeds (at no load)	mm/min	0-45
Power Specs: HP / Voltage / Phase	-	6 / 400-440 / 3
Dimension LxWxH	mm	1500 x 1200 x 3400
Weight	kg	12500
STANDARD ACCESSORIES		
Grips for round specimens (diameter) \varnothing	mm	20-40, 40-60, 60-80
Grips for flat specimens (thickness)	mm	0-20, 20-45, 45-70
Compression plates	mm	\varnothing 220
Radius of punch tops	mm	30, 40



Load Measuring:

A pressure transducer attached to the hydraulic pressure line measures the load at a resolution of 0.025% with auto-ranging facility. This is a precision transducer with international traceability.

Displacement Measuring:

A rotary encoder (available in 0.01 or 0.001mm resolution) measures the crosshead displacement.

For extension test a high precision Extensometer is used to capture the true elongation in the specimen. It is available in different gauge-lengths from 20 to 100mm

KrystalMet Software:

KrystalMet - an user friendly Windows based software captures the test data and stores in the database for an extensive analysis of the test. An online graph of load vs displacement/extension gives user a clear picture about the test in progress.

A report with various test results and graphs can be printed or exported to PDF or Excel format for easy sharing with other parties.

KrystalMet gives a complete batch analysis report to understand the behavior of samples in a batch.



KRYSTAL

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