

TIRAtest Materials Testing Machines

TT 281300



To test:
1300kN

- Steel
- Construction/building Materials (concrete etc.)
- Composite materials
- Timber
- Etc.

Universally applicable material testing machine according to DIN 51220 and EN ISO 7500-1 for tensile, compression and bending tests. The machine is employable for research development, quality control and education.

Type	TT 281300
Load frame:	
Max. test force (kN):	1.300
Max. stroke (mm):	2300*
Total height A (mm):	3700
Total width B without/ with control (B1) (mm):	1750/2000
Total depth C (mm):	1300
Working height (D):	800
Weight without control cabinet (kg):	6500
Test area dimensions:	
Height (G) (mm):	2550*
Width (E) (mm):	700
Depth (F) (mm):	--
Control cabinet W x H x D	800 x 1600 x 500
Weight control cabinet (kg):	120
Measuring, regulation and control electronics	
Interface:	Ethernet
Extension slots:	Up to 7 slots
Force resolution:	200.000 steps
Data logging:	Up to 5 kHz
Remote control optional:	yes
Drive unit:	
Motor:	AC-Servomotor
Set value:	Incremental, ± 15 bits resolution
crosshead travel (resolution) (mm):	<0,001

crosshead travel (speed) (mm/min):	0,01 – 200
Electrical connection:	
Connection voltage:	400V
Mains frequency:	50Hz
Power consumption:	10kVA
*Without force transducers and coupling	
**Including EDC	
-Ball screw spindle adjusted without free play of single nuts	
-Force measurement with exchangeable force transducer	
-Force measuring accuracy with 0,5% or 1% according to EN ISO 7500-1 and ASTM E4	
-Further options on request	- All information is supplied without guarantee.

