

TIRAtest Materials Testing Machines

TT 28500

To test:
500kN

- 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 28500
Load frame:	
Max. test force (N):	500.000
Max. stroke (mm):	1550*
Total height A (mm):	2550
Total width B without/ with control (B1) (mm):	1500/1750
Total depth C (mm):	1050
Working height (D):	600
Weight without control cabinet (kg):	3350
Test area dimensions:	
Height (G) (mm):	1700*
Width (E) (mm):	750
Depth (F) (mm):	--
Control cabinet W x H x D	
Control cabinet W x H x D	600 x 900 x 400
Weight control cabinet (kg):	80
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:	6kVA
*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.	

