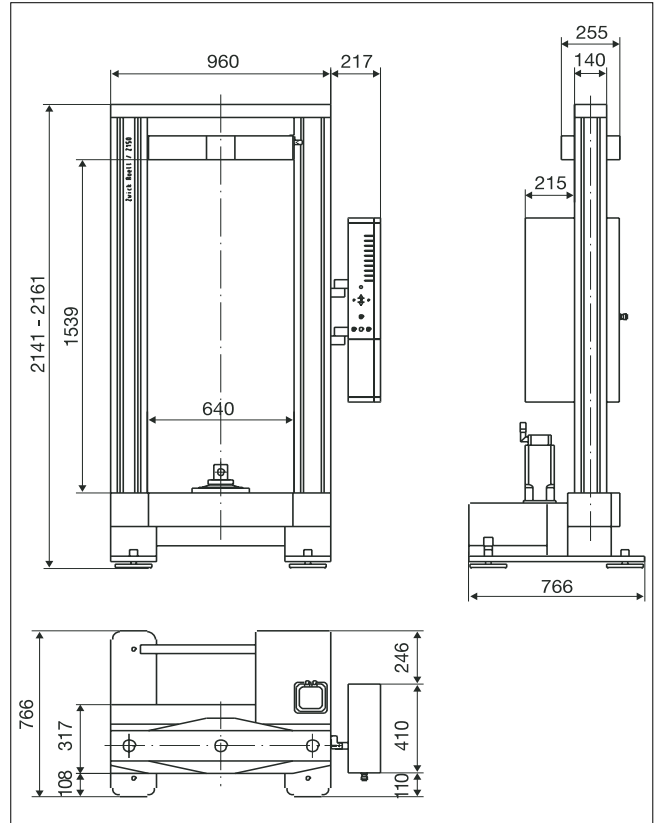


Product Information

Table-top test machine Z150 of the Allround-Line



Advantages/Features

- Solid load frame for standard test tasks
- Wide, easily accessible test area
- Compact design through patented aluminium profile load frame construction with concentric arrangement of drive screw and crosshead guidance
- T-Slots for simple mounting of machine accessories
- System with simplest operation
 - Operation via standard commercial PC and *testXpert*[®] software for highest operator comfort, analysis and statistical data processing
 - Operation without a PC as option „Stand Alone“ with colour display and direct data management
 - Automatic sensor detection and intelligent help for all dangerous and error situations
- System with most modern technology
 - Highest machine availability through the use of maintenance free AC servo drives with direct power supply and real-time operating system
 - Controlled drive and positioning through adaptive control and fully automatic controller adjustment
 - Testing to standards at rapid processes via 500 Hz online test data transmission
- System with modular design
 - Modular system for mechanics, software and electronics for purpose designed and low price machine configurations
 - One or optionally three additional module slots for connecting further measurement systems
- System with future
 - High investment security through individual configuration possibilities
 - Compatibility concept for continuous expansion of the components
 - Continuous development of the „system test machine“
 - ISO 9000 and CE conformity

Product Information

Table-top test machine Z150 of the Allround-Line

Order item	T1-FR150TL.A4K	Unit
Load frame		
Test load F_N in tensile/compression direction	150	kN
Height / Width / Depth	2141 ... 2161 / 960 / 766	mm
Width with electronics console b_2	ca. 1180 ⁽¹⁾	mm
Overall weight with electronics console	750	kg
Test area width	640	mm
Height of the lower test area, without accessories	1539	mm
Height of the upper test area, without accessories (top crosshead required)	1549	mm
Finish	RAL 7011 iron grey and RAL 7038 agate grey	
Ambient temperature	+ 10 ... + 35	°C
Air humidity	20 ... 90	%
Noise level at maximum speed	64	d(B(A))
Drive system		
Crosshead speed v_{Nom}	0.0005 ... 900	mm/min
Accuracy of the set speed	0.005	% of v_{Nom}
Drive system's travel resolution	0.0123	µm
Positioning, repetition accuracy	± 2	µm
Permissible feedback energy at cyclic tests	Diagram available upon request	
Measurement and control electronics		
Force measurement	grade 0.5 / 1 see load cell, to DIN EN ISO 7500-1 (DIN 51220, DIN 51302), ISO R147, ASTM E4, BS 1610 Grade A, NF A 03-501	
Measurement range	up to 165 % of F_N	
Real resolution in tensile/compression direction	162.000 ... 912.000	points
Recording rate, internal	500	Hz
Test data group transmission rate to the PC	100 (500 optional)	Hz
Zero-point correction	automatic at measurement begin	
Measurement signal runtime correction for all channels	yes	
Output interface	RS232	
Required PC connection (for PC operation)	COM 1	
Power ratings		
Electrical connections	400 (3 Ph)	V (Ph, N, PE)
Power rating	5.5	kVA
Mains frequency	50/60	Hz

⁽¹⁾ For electronics with option „Stand Alone“ increases the width by 45 mm

Accessories/Options

Description	Order item
Option <i>testControl</i> plus: Additional basic equipment of the measurement and control electronics <i>testControl</i> with two slots	TC-OPPLUS
Base to place a Zwick table-top machine, with a drawer	BL-BASE

Further accessories/options on request (e.g. base, adapters, extensometers, measurement transducers, safety shields, 500 Hz online test data transmission)