



Hegewald & Peschke
Meß- und Prüftechnik GmbH

Product Information

Universal testing machine for X-bases,

furniture components and other various materials



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The universal testing machine Inspect table 20kN allows for the testing of X-bases, furniture components, and other various materials (metals, plastics, wood, foamed plastics, fabrics). The machine includes a load cell for 20kN, a support plate for X-bases, a pressureplate and a stand. The test space is extra wide and surrounded by a very robust and highly transparent protective enclosure, which allows for exact tracing of the testing procedure until the specimen fails.

The standardised connector system enables quick and easy exchange of the different testing tools for tensile, pressure, shear, and bending tests. This great flexibility is the precondition for the machine's large scope of applications. It has the ability not only to test X-bases, but also purchased parts like screws (material and component testing, like tensile strength,...), foamed plastics (compression hardness, deformation,...), plastics (tensile strength, extension,...), and upholstery fabrics.

Technical data

Field of application	testing of furniture parts and materials under static, increasing, or dynamic load up to the point of failure or to preset limits in development and quality control during batch production		
Specimens	X-bases and arm rests of swivel chairs, office swivel chairs, and arm-chairs; foamed materials for the seats; upholstery fabrics; and also tensile, pressure and bending tests on tables, chairs, cabinets, and on various materials		
System configuration	test frame with load cell, support plates, pressureplate, special protective enclosure, stand, manual operation, controller and PC, software block-programme, analysis by PC, force measurement, position measurement		
Parameter limits	max. load: 20,000 N testing speed: 0.01 – 600 mm/min dimensions of test space 750 x 750 x 1000 mm (length x width x height)		
Test procedure	<ul style="list-style-type: none"> • manual adjustment of the test is possible • fully automatic testing, and possibility to use the block-programme (e.g. for hold times, or multiple loading sequences with changing times and loads) • different conditions for break detection and switch off 		
Data processing	USB 2.0-Interface or LAN		
Electrical connection	115/230 VAC/ 50/60 Hz		
Dimensions	UTM:	1015 x 850 x 2200	(length x width x height)
	controller:	290 x 290 x 650	(length x width x height)
Weight	UTM: 300 kg, controller: 20kg		
Optional accessories	special clamping tools for various components and materials		

Your contact person: