

ITJ

Intelli-Jack



Intelli-Jack 20 kN - without frame

Adapted for testing all types of materials and products, the Intelli-Jac range offers a unique solution for generating, filing and displaying quality data. It is built around a specially designed testing machine for a wide range of test modes: Tension, Compression, Bending, Punching, Peeling, Delamination, etc., and it offers the user a fast and effective way of generating and presenting a quality report. Additionally it offers a data filing and retrieving system giving the user instant access to reports on any previously tested samples. It is ideally suited to quality assurance and process control as well as research and development. It is capable of performing a wide range of complex testing procedures and can be set-up for relevant international or national standards.

The machine is compact, and ready to mount in a frame size to match the application, making the positioning and removing of samples very easy - no studs or frames to avoid. The special machine design provides optimum stiffness resulting in accurate deformation measurements. Testing is controlled from the computer after keying in sample identification. During testing the load-deformation curve is simultaneously generated on the monitor.

The machine can be supplied with bending jigs, compression plates, tension grips etc. as required. The automatic positioning of the loading beam after each test virtually eliminates waiting time between tests.



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Specification

Model	ITJ20/500
Loadcell Capacity	20000 N
Weight	32 kg
Max stroke length	500 mm
Resolution	0.10 N
Height	1420 mm
Width	400 mm
Depth	170 mm

Standards

ASTM C473	Standard Test Methods for Physical Testing of Gypsum Panel Products
EN 310	Wood-based panels. Determination of modulus of elasticity in bending and of bending strength
EN 520	Gypsum plasterboards - Definitions, requirements and test methods
EN 12089	Thermal insulating products for building applications - Determination of bending behaviour
ISO 8336	Fibre-cement flat sheets -- Product specification and test methods

Loading via a sealed ball-screw system and an accurate measure of the loading travel are the basis of the Intelli-Jac-system. A computer with TRAM-QAWindows software makes the machine a powerful "automatic" system for generating, filing and displaying quality data for any production.

Simple to use software will enable the operator to grow familiar with the test machine after a very short time even if he has no experience at all in operating a computer. The software is supplied in national languages as required.

Comprehensive electronic protection prevents the machine from overloading damage or driving out of limits. A simple calibration procedure is included in the software. For operation in dusty environments the system can be supplied with a fanless computer.

The equipment offers a great opportunity to improve quality management through instantaneous data generation. In spite of the highly advanced and automatic testing procedure operation is easy.

Due to the modular design of the equipment and the versatility of the software, tailored systems can be offered at a moderate price. Systems specially set up for board, sheet, and slab manufacturing industries can also be supplied.



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