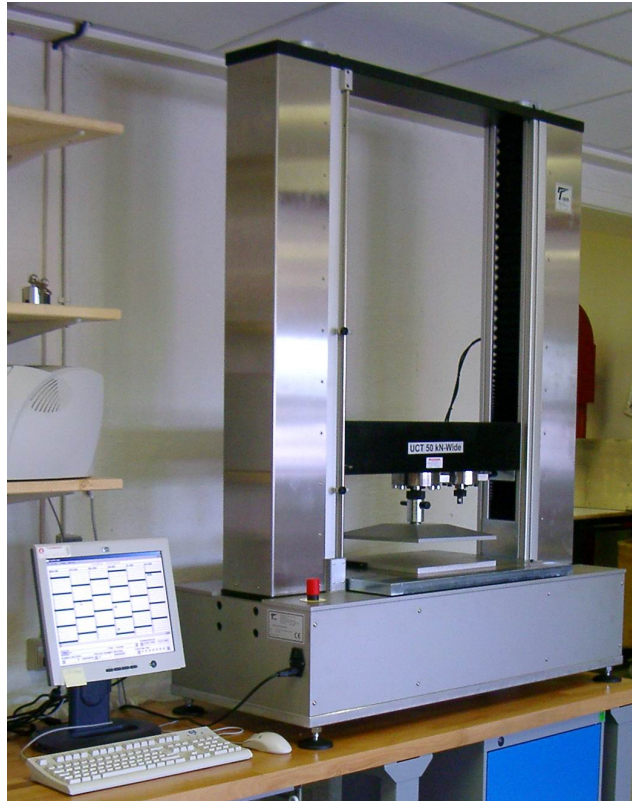


# UCT Wide

Universal compression and tension testing machine with wide frame



The universal compression/tension tester offers a unique solution for generating, filing and displaying quality data. It is built around a two-spindle testing machine, 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. Much more than just the strength test results can be included in the quality report. The TRAM QA software offers a simple way to incorporate all relevant quality parameters in a system of tables that can be set up for almost any application. 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 bench mounted machine is compact, and it can be supplied with different stroke lengths. The special machine design provides optimum stiffness resulting in accurate deformation measurements. The wide version has room for 2 permanently mounted loadcells - thus almost combining 2 machines in one! Testing is controlled from the computer after keying in sample identification. During the testing the loaddeformation curve is simultaneously generated on the monitor. The machine is supplied with grips and loading plates to suit the products to be tested. Automatic positioning of the loading beam virtually eliminates the waiting time between tests. Additionally the system incorporates a facility to connect it to an external device such as a balance so that results can be directly transferred to system for further processing.



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## Specification

Model	UCT 25 kN Wide	UCT 50 kN Wide	UCT 100 kN Wide	UCT 200 kN Wide
Loadcell Capacity	25000 N	50000 N	100000 N	200000 N
Weight	34 kg	34 kg	400 kg	600 kg
Max stroke length	700 mm			
Daylight between columns	700 mm	700 mm	700 mm	600 mm
Vertical daylight	700 mm			
Frame stiffness	40 kN/mm	40 kN/mm	80 kN/mm	160 kN/mm

## Standards

ASTM D2412	Standard Test Method for Determination of External Loading Characteristics of Plastic Pipe by Parallel-Plate Loading
ISO 14125	Fibre-reinforced plastic composites - Determination of flexural properties
EN 826	Thermal insulating products for building applications - Determination of compression behaviour
ISO 6259-3	Thermoplastics pipes -- Determination of tensile properties -- Part 3: Polyolefin pipes
ASTM D3330	Standard Test Method for Peel Adhesion of Pressure-Sensitive Tape
EN 1939	Self adhesive tapes. Measurement of peel adhesion from stainless steel or from its own backing
ISO 29862	Self adhesive tapes -- Determination of peel adhesion properties
EN 1607	Thermal insulation products for building applications - Determination of tensile strength perpendicular to faces
DIN 55440	Packaging test, compression test, test with a constant conveyance-speed
ISO 6383-1	Film and sheeting - Determination of tear resistance - Trouser tear method
EN 320	Particleboards and fibreboards - Determination of resistance to axial withdrawal of screws
EN 12430	Thermal insulating products for building applications - Determination of behaviour under point load

An extraordinarily stiff frame construction, loading via a sealed ball-screw system and an accurate measure of the loading beam travel are the basis of the UCT-system. A Windows 7 or 8.1 computer with TRAM-QA software makes the machine a powerful "automatic" system for generating, filing and displaying quality data for many types of 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.

The supplied Windows computer is fanless and is therefore applicable for use in a dusty environment.

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. Special systems for board, sheet and slab manufacturing industries can also be supplied.



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