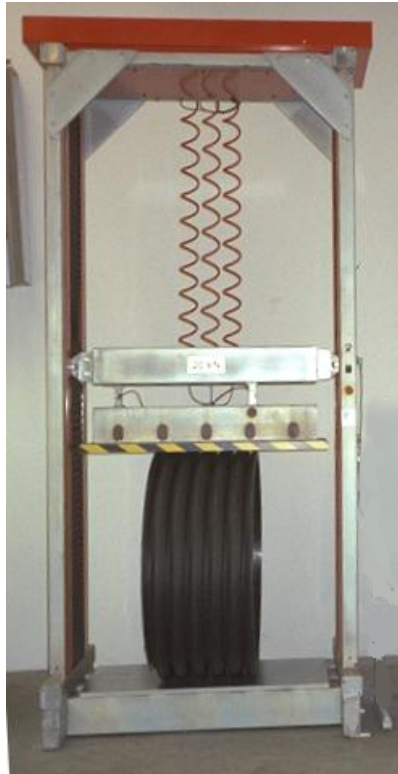


RFT

Universal Platform Tester



Universal Platform Tester

Specially designed for the plastic pipe industry, this universal compression/tension tester offers a unique solution for generating, filing and displaying quality data. It is built around a four-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 providing 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 floor-mounted machine can be supplied with different stroke lengths. The special machine design provides optimum stiffness resulting in accurate deformation measurements. Testing is controlled from the computer after keying in sample identification. During the testing the load-deformation 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 the system for further processing.



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Specification

Model	RFT 20	RFT 50	RFT 100	RFT 200
Loadcell Capacity	20000 N	50000 N	100000 N	200000 N
Weight	1500 kg			
Max stroke length	3000 mm			
Daylight between columns	1200 mm			
Frame stiffness	40 kN/mm	100 kN/mm	200 kN/mm	400 kN/mm
Resolution	0.20 N	0.50 N	1.00 N	2.00 N
Supply Voltage	230 V or 115 V, 50-60 Hz, with ground	230 V or 115 V, 50-60 Hz, with ground	230 V or 115 V, 50-60 Hz, with ground	3*400/230 V, 50-60 Hz, with ground
Speed Range	0.001mm/min - 300mm/min as standard			
Loading speed control	Selectable load- or travelling speed. Programmable loading sequence for semiautomatic testing as well as automatic fast return.			
Deformation resolution	0.0100 mm			
Control system	USB-connection to PC. The TRAM QA software makes the testing, filing and analysing of data extremely versatile - refer to the separate brochure for the software.			

Standards

ISO 9967	Thermoplastics pipes - Determination of creep ratio
ISO 9969	Thermoplastics pipes - Determination of ring stiffness
ISO 13968	Plastics piping and ducting systems - Thermoplastics pipes - Determination of ring flexibility
ASTM D2412	Standard Test Method for Determination of External Loading Characteristics of Plastic Pipe by Parallel-Plate Loading
ISO 6259-3	Thermoplastics pipes -- Determination of tensile properties -- Part 3: Polyolefin pipes
DIN 55440	Packaging test, compression test, test with a constant conveyance-speed
EN ISO 527	Plastics - Determination of tensile properties
GOST 11262-80	Plastics. Tensile strength test method

An extraordinarily stiff frame construction, loading via a sealed ball-screw system and an accurate measure of the loading beam travel is the basis of the RFT-system. An IBM compatible computer with TRAM QA Windows 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.

For operation in dusty environments the system can be supplied with a fanless PC. 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.

Please contact Bent Tram A/S or your local distributor for additional information.



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