

› Product overview

Integrated pipe testing solutions



Consulting, offers and order handling

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Hotline for IptDataLogging® user

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Installation, training, maintenance and repair:

IPT will continue to serve you in all parts of the world even after you have purchased our product!

**Hotline, telephone
Service and remote support**
ensure safe and smooth operation of your system!

Maintenance

A maintenance contract with IPT ensures the reliability and value retention of your systems. Calibration performed by IPT is documented and traceable to national standards.

Training

Training regarding the operation of the IPT test systems and effective use of IptDataLogging® 6 are provided in the well-equipped training department of IPT Germany.



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Leading in experience, innovation and product quality

For over 40 years

The professionals in pipe testing equipment

IPT has been a specialised company for the development and production of thermal, chemical and physical tests for more than 40 years. Its core competence are test devices for the plastic pipe sector, but also automotive manufacturers and suppliers as well as the packaging industry and environmental technology providers worldwide are working with standardized or customized test systems from IPT.

Quality products Made in Germany

All devices are made in Germany. All components are subject to strict quality control. All IPT products are calibrated and will be provided with test certificates according to ISO-9001 requirements on request.

Research and development in-house

Mechanical and electrical systems as well as software are developed and produced in-house. In this way, special adaptations and individual customer requests can be implemented right away.

We are available for you in all parts of the world

We will also provide you with complete solutions and coordinate all activities as the main contractor. In this way, you will only have one contact person to discuss financing, planning and organisation.

The IPT Service Department handles the installation, commissioning and maintenance of the systems and trains your staff members. You can choose between several maintenance and service packages with different performance scopes. This will allow you to find a custom-made solution for your IPT system.



Pressure test equipment

Standards
ISO 1167
ASTM D 1598
ASTM D 1599

High-precision performance and superior quality 1720/1724 Airless ProfessionalLine



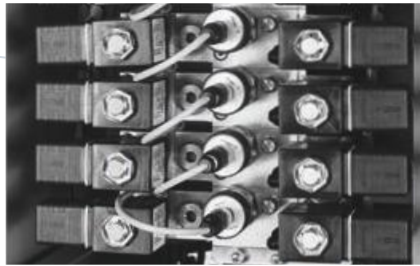
State-of-the-art microprocessor controllers:
Microprocessor Airless-Controllers regulate pressures to the highest precision and communicates data recordings via Ethernet (TCP/IP).



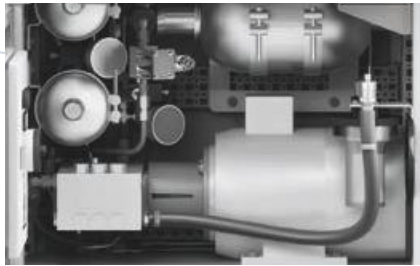
Flexible growth:
The modular design allows to adapt to different testing applications and to increase the testing capacity as required.



Space efficiency:
Less than 1 m² of space can accommodate up to 45 different pressures, including the pressurised water supply.



Powerful and durable:
Frequency-controlled pumps for continuous adaptation of the pumping capacity according to the current need.



Easy and safe operation

Comfortable operation and visualization. The Ipt User Interface software enables simple input of test parameters, and provides a clear overview on the status of the equipment and ongoing tests. Finished tests can easily be documented by using the advanced report designer.

Reliable test results

Optionally available master gauge transducers. Provides an automatic self-calibration of the pressure reading before testing and the possibility to manually calibrate the pressure reading at any time, before or during a running test.

Test data software

The IptDataLogging® software suite provides powerful solutions for data evaluation and communication. A multi-user environment supports team collaboration and workflow – even over Wireless LAN. Powerful sample data management, import/export functionality and a direct interface to Pipeson Analyzer and Data Manager support efficient data handling and integrity of test data.



Tests on finished products

Pressure test equipment

Standards
ISO 1167
ASTM D 1598
ASTM D 1599



Efficient

The Compact Line Basic with up to 5 stations is suitable for newcomers and customers with low test volumes.

The integrated high performance pump, stainless steel pressure accumulator and pressure control module that can handle up to five tests in parallel are standard characteristics of the device.

1785 CompactLine Basic
CompactLine Burst



Flexible

The 1790 Compact Line complete set with 5 test stations and test container offers a very simple and compact complete solution.

Operation, result evaluation and clear visualisation are handled on a laptop (optionally available).

1790 CompactLine Light



Accurate and consistent

The Airless-BlueLine provides maximum control accuracy and constant pressure for medium-level test requirements. The compact and modular design allows up to 25 independent pressure stations on only 0.6 m².

1774 Airless BlueLine



Tests on finished products

Burst test equipment

Standards

ASTM D 1599

1722 Burster until 600 bar

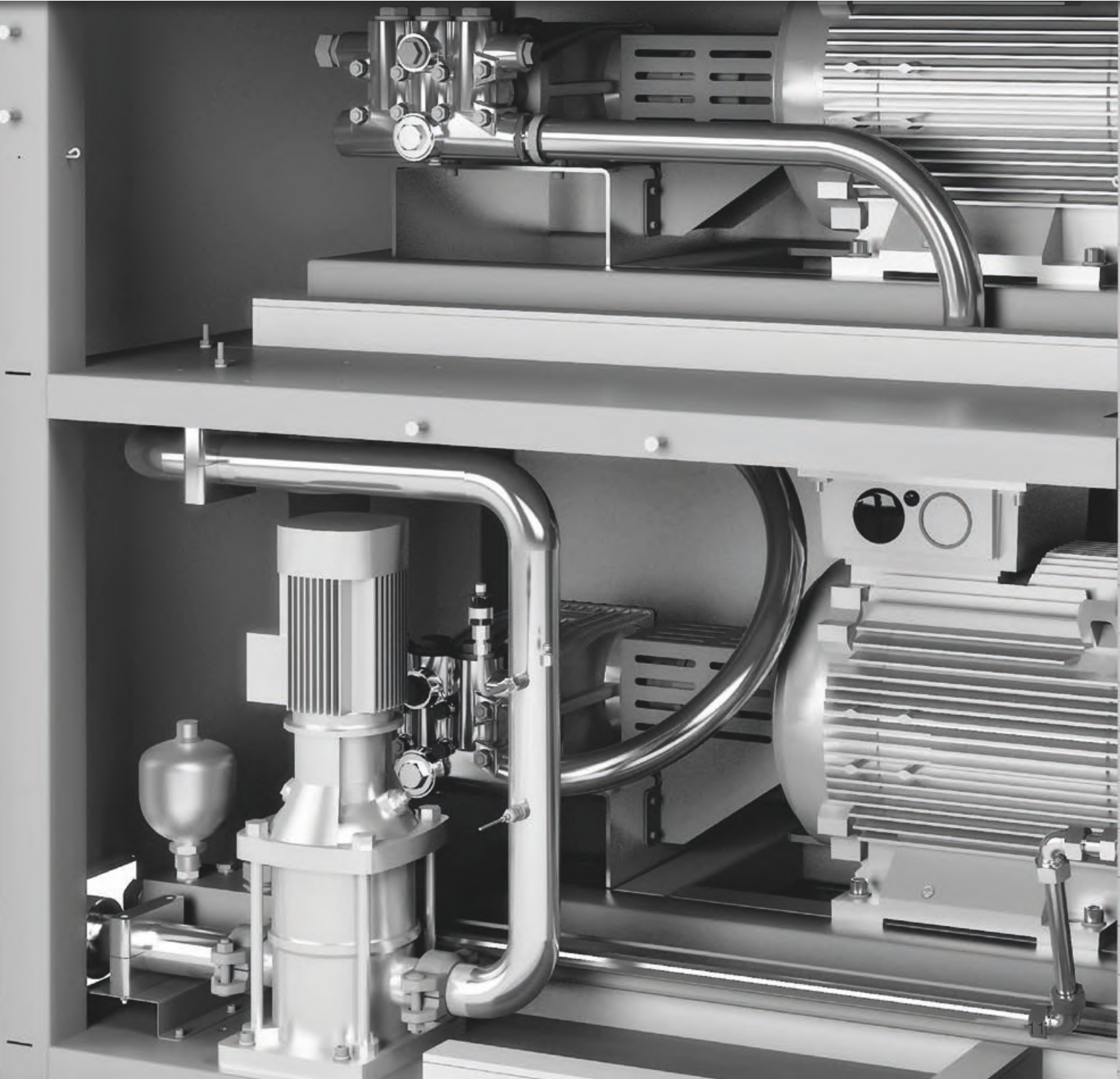
Linear upwards

Burst tests with linear pressure increase: This unit can perform burst tests with continuous (linear) pressure increase according to **ASTM D 1599**. The pressure increase rate is adjustable and allows the prescribed, minimum burst pressure to be reached within the time specified.

Working pressure ranges of up to 600 bar are available for various applications. This system can be used to perform tests with a continuous (linear) pressure increase at various rates of increase according to ASTM D 1599. Also creep strength tests, optionally with subsequent pressure increase to bursting, are included in the performance spectrum of the device.

1718 Burster 150 bar 720 l/min

The large pipe burst tester is a further milestone for burst tests on large-volume test samples. Volumes of up to 250 l/min at up to 100 bar or even 720 l/min at up to 150 bar can be provided through multiple combination options of the frequency-controlled pumping units.



Tests on finished products

Test baths

Standards

ISO 1167

ASTM D 1598

ASTM D 1599



1751 – 1758 **Test baths**

Test baths for pipe tests
Water depth 800 mm – 3,200 mm
Dimensions from
1.0 x 0.5 m – 6.0 x 3.2 m

Economically and ecologically sound

The IPT test baths for the internal pressure creep rupture test are characterised by the most modern technology, highest safety and optimised heating performance with low energy consumption. Usable water depths of 0.8 to 3.2 m make it possible to arrange the test samples horizontally and thus achieve a better overview and better space utilisation and handling. Safety devices such as flow meters and overheating protection thermostats are mandatory for IPT, just like protective devices that comply with relevant directives all over the world.

Double-sided insulation of the basic container as well as a lid with high-quality insulation ensure minimum energy consumption.

The IPT test containers have a level control system that ensures automatically or timer-controlled topping up of any lost test medium. A second, separate control loop takes over the temperature control in the event of a fault.

The special recirculation system ensures high accuracy and homogeneous temperature distribution. The frequency-controlled recirculation pumps used by

IPT allow to adapt to any supply voltage in the world.

The motor drive for the lid ensures safe and comfortable opening and closing of large lids.

- Test tank and lid made out of high quality stainless steel (1.4571)
- Highest temperature control accuracy
- Homogeneous temperature distribution
- Optimised heating performance
- Lowest possible energy consumption

Tests on finished products

Test ovens

Standards

ISO 1167

ASTM D 1598

ASTM D 1599



High temperature stability

The IPT test oven is characterised by a powerful air circulation system that ensures that the temperature in the entire inner compartment is very stable and homogeneous. The double-walled oven housing with high-quality insulation and the microprocessor-based control system contribute to a noticeable reduction in energy costs.

Convenient operation

The vertical arrangement of the test sample allows for optimal use of the internal space while keeping things clearly arranged. The flexible distribution systems with quick-release couplings and extensible hanging drawers allow for convenient and quick connection of the test samples.

Maximum safety

Extension system for easy handling of the individual connections outside the oven. Highly accurate temperature control of the whole inside space by a very powerful air circulation system. High-quality insulation of the oven as well as an insulated door for low energy losses. Interface to IptDataLogging®.

1662 Test oven



1674 Test oven



1776 Test oven



End closures for pipes and fittings

Mounting devices

Standards
ISO 1167
ASTM D 1598
ASTM D 1599

Reliable and trusted

IPT end closures are made of corrosion-free materials and are available with or without tie rod, independently of the wall thickness and the various diameters and sizes of the test samples.

Particularly the IPT Quix end closures with their patented rolling-ring mechanism can be quickly attached or detached without any special tools.

A special sealing system was developed for the end closures of Model 1628 to ensure safe sealing of pipes with distinctly oval shapes and high plus-tolerances, ranging from small to large units.



1732/1733 **End closures Quix**
for tests up to 100 bar

1735/1736 **End closures Quix**
for tests up to 200 bar
(not illustrated)



1685 **End closures with tie rod**



1684/1784 **End closures for large pipes**

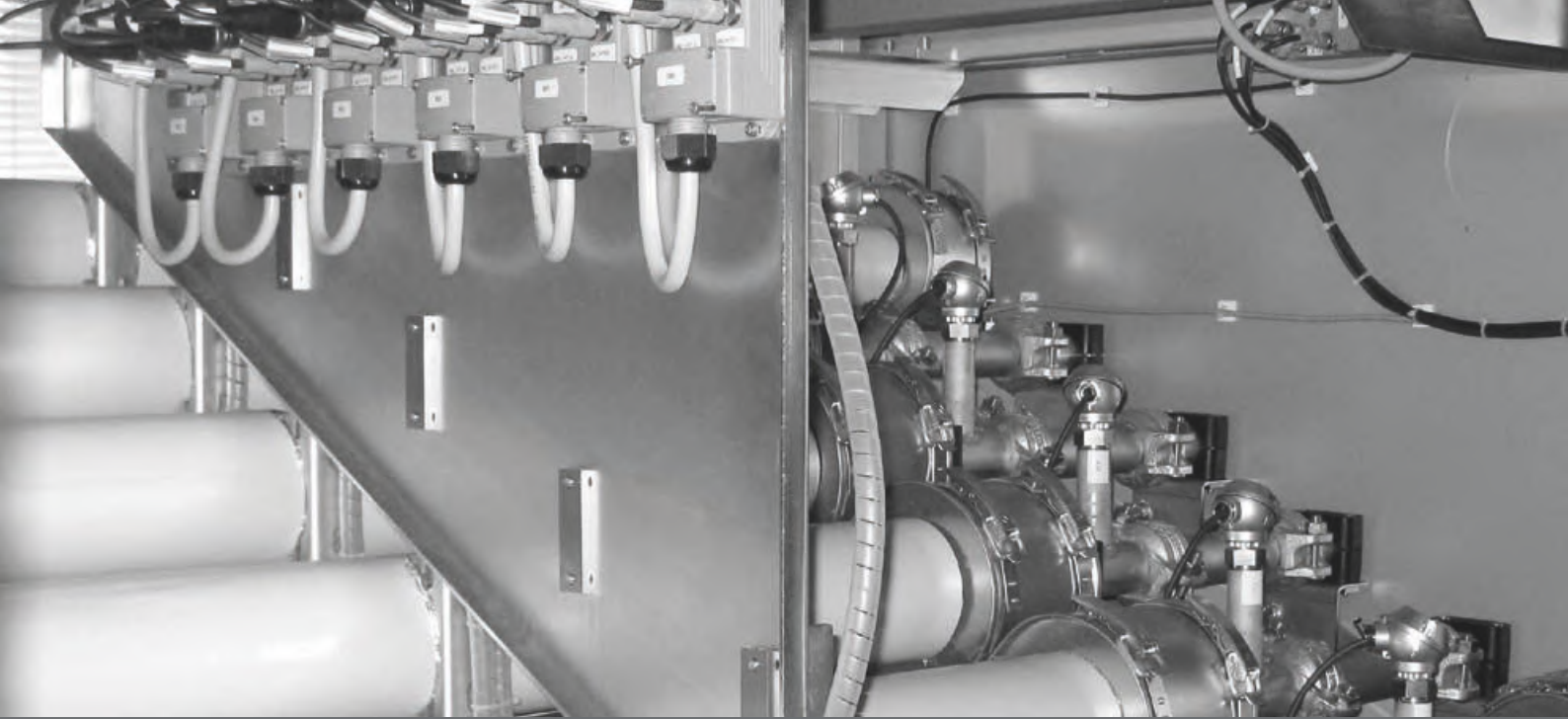


Mounting devices



Temperature cycling test unit

Standards	
EN 12293	DVGW W 543
DVGW W 534	BS 7291
DVGW W 542	



1769 Temperature cycling test unit
1770 Temperature cycling test unit (not illustrated)



1777 Temperature cycling test unit
1747 Temperature cycling test unit (not illustrated)

Future-orientated

IPT has developed the temperature cycle test technology to be prepared for future test requirements. The clearly increased volume flows of the new generation of test devices also allows testing of large pipes and fittings according to the standardised temperature cycling test. The proven IPT technology for temperature cycling tests is also available for pipes with an external diameter of 160 mm. IPT Thermal cycling testers are suitable for a various amount of standards. The durable equipment design, evolved and improved over 30 years of experience, enables reliable and reproducible testing.

The systems offer the following optional details for the test chamber in order to provide maximum, customer-specific benefit:

- Test chamber accessible from one or both sides
- Integrated frame, perforated metal-sheet wall or special construction for holding the test sample
- Tensioning device with weighing cell and measuring technology for initial tensile stress

- Test device supply unit Model 1769 (with pressure tank) for temperatures until 114 °C (according to BS 7291).
- Test device supply unit Model 1770 (without pressure tank) for temperatures up to 95 °C
- Available for test pressures up to 16 bar and with a volumetric flow of up to 25 m³/h.

Tests on finished products

Pulsators

Standards

EN 12295

DVGW W 534

DVGW W 543



Pulsator

The IPT hydro-pulsator was specifically developed to test the performance of pipes and pipe connectors in a pressure shock test. The unit supports sinusoidal pressure pulsation with adjustable pressure and frequency as well as rectangular and trapezoidal pressure profiles with adjustable pressure increase rates.

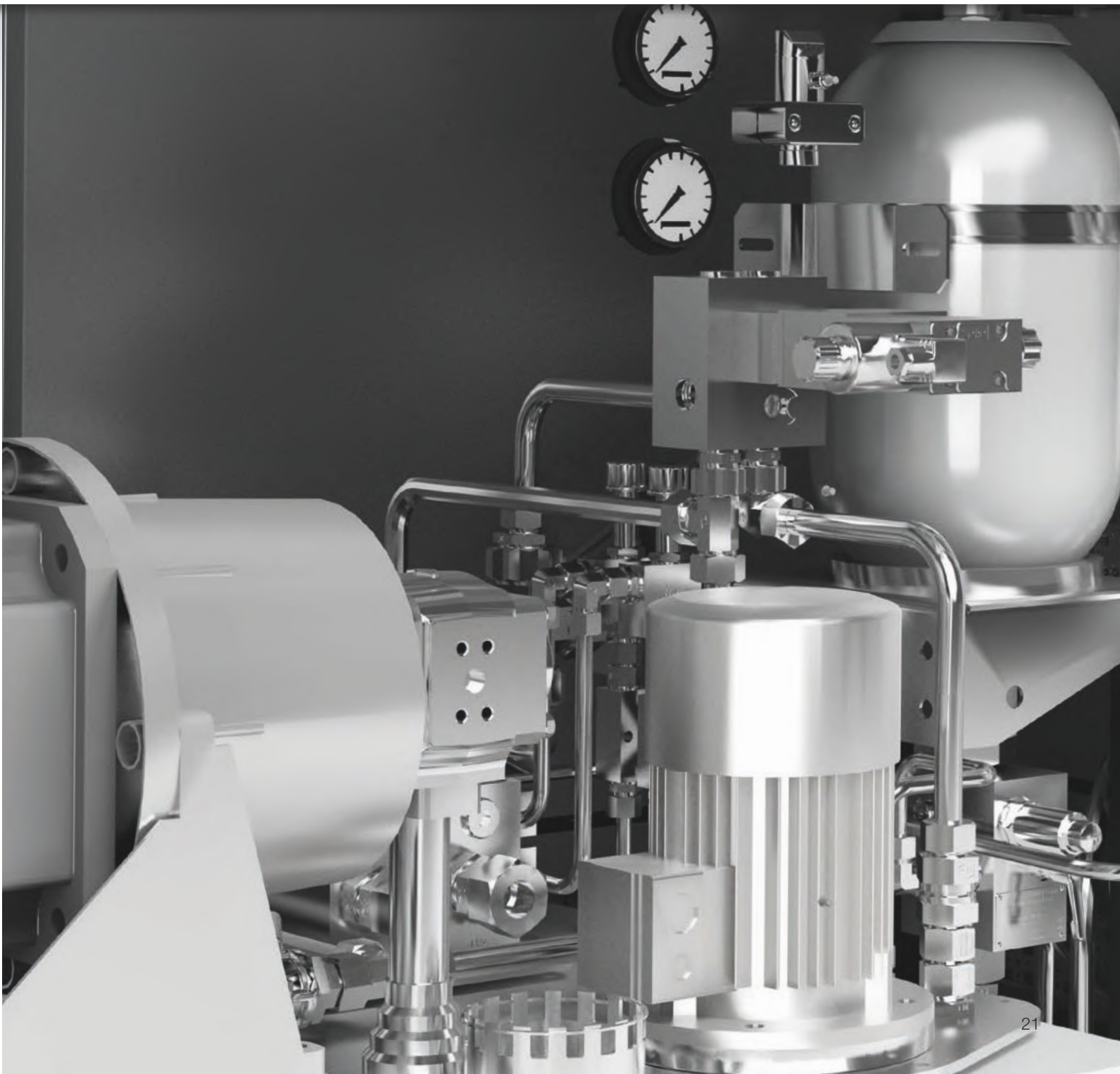
The self-optimising control system ensures adherence to very tight tolerances. Connection to IptDataLogging® provides long-term graphical recording.

1766 Pulsator

The new hydro-pulsator is a further milestone for pressure shock tests. You can perform pressure shock tests with up to 500 bar with automated leak detection using low-noise pressure pumps. It is optionally possible to return the energy stored in the system to the mains network.

1796 Pulsator

The modular design of the pulsator allows to configure the unit depending on the testing application and to expand modularly in case more performance is needed.



Temperature cycling test unit for waste water systems

Standards

EN 1055

ISO 13260

1268 Temperature cycling test unit for waste water systems

Testing without pressure

This test device determines the temperature change stress resistance of pipe connectors for pipe systems made of rigid or flexible thermoplastic pipes.

The test device consists of the following components:

- Basic device with touch display
- 2 separate cold and warm water tanks
- Testing device for measuring the sag of the pipes
- Infinitely adjustable volumetric flow of 10 to 40 l/min

Optionally available:

- End closures for tightness test
- Guide and anchor brackets for each pipe dimension
- Chiller
- Scaffold for installing the test sample

The Model 1268 test device has an expansion option that makes it suitable for testing the temperature change resistance of buried drainage channels while external stress is applied (according to ISO 13260 / previously EN 1437).

The test device consists of the following components:

- Supply unit 1268 for Temperature cycling test and leak tightness test according to EN 1055 with interface to IptDataLogging® for monitoring and recording of volumetric flow and water temperatures
- Load box 1772 for testing of pipes from DN 32 - DN 200 according to ISO 13260 Method A+B (optional) including pedestral and sensors for monitoring of outlet and pipe vertex temperature via IptDataLogging®
- Diaphragms (different sizes from DN 32 - 200 mm)
- Load unit (manual)
- Option for load sensor including monitoring and recording via IptDataLogging®
- End closures with holder for spray lances
- Spray lances for end closures



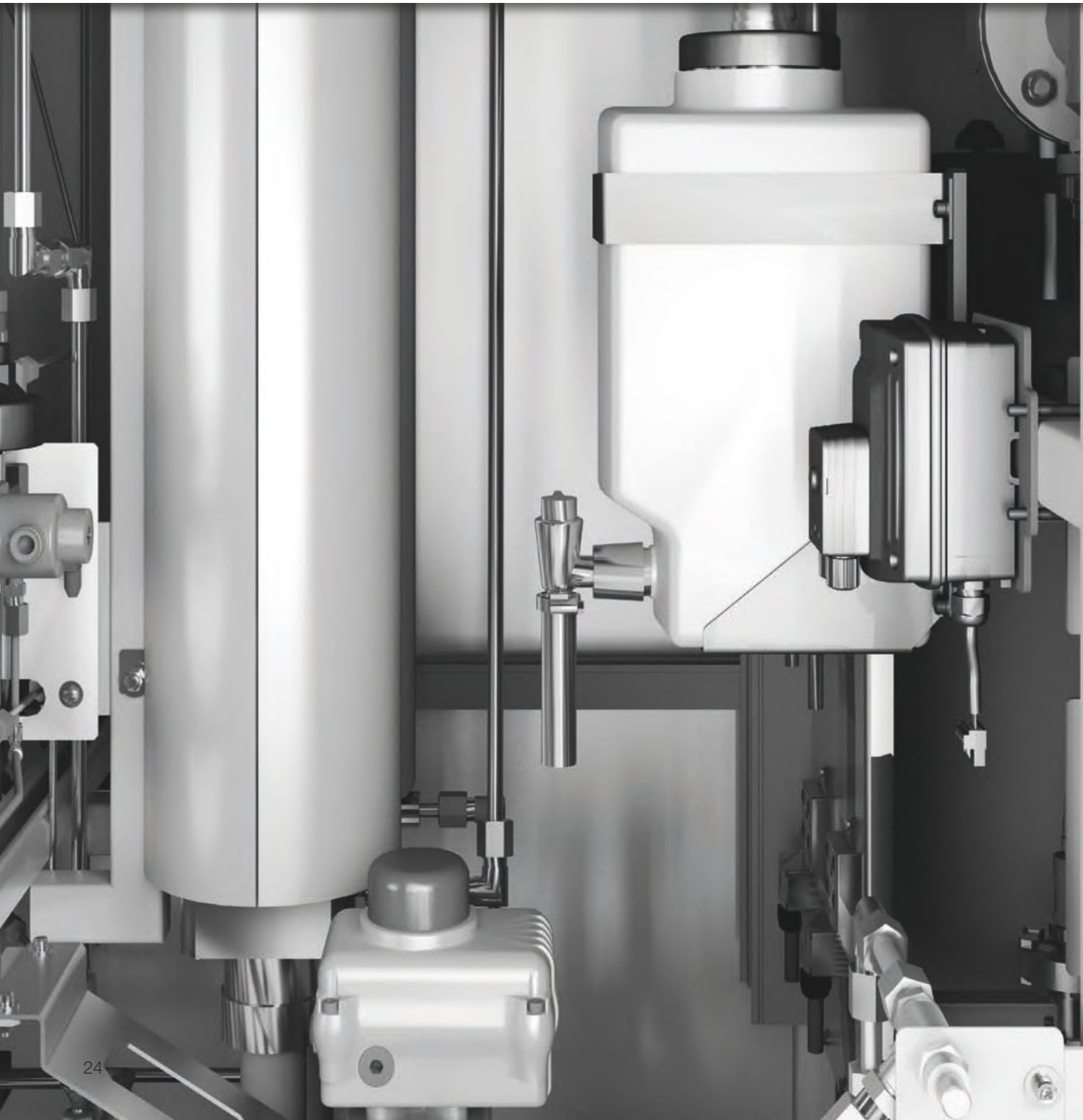
Innovative control systems

1772 Load box for temperature cycling test unit

Tests on finished products

Chlorine tester

Standards	ASTM F 2263
ASTM F 2023	ASTM F 1282
ASTM F 1281	ASTM F 2330
ASTM F 2262	NSF P171



➤ **Determination of chlorine resistance of plastic pipes**

IPT has developed a new test device that allows pipe and fitting manufacturers as well as raw material and compound producers to perform internal pressure creep rupture tests under the influence of chlorine at flow conditions on polymer pipes. The resilience of polymer pipes with outside diameters up to 32 mm against chlorinated water can thus way be tested under operating



conditions as well as under accelerated-time conditions. The device can, among other things, perform tests according to the American standards ASTM F 2023 and NSF P 171. All parts of the device that come into contact with the test medium are coated with fluorine polymers to ensure that no metal ions enter the test medium during tests with chlorinated water.



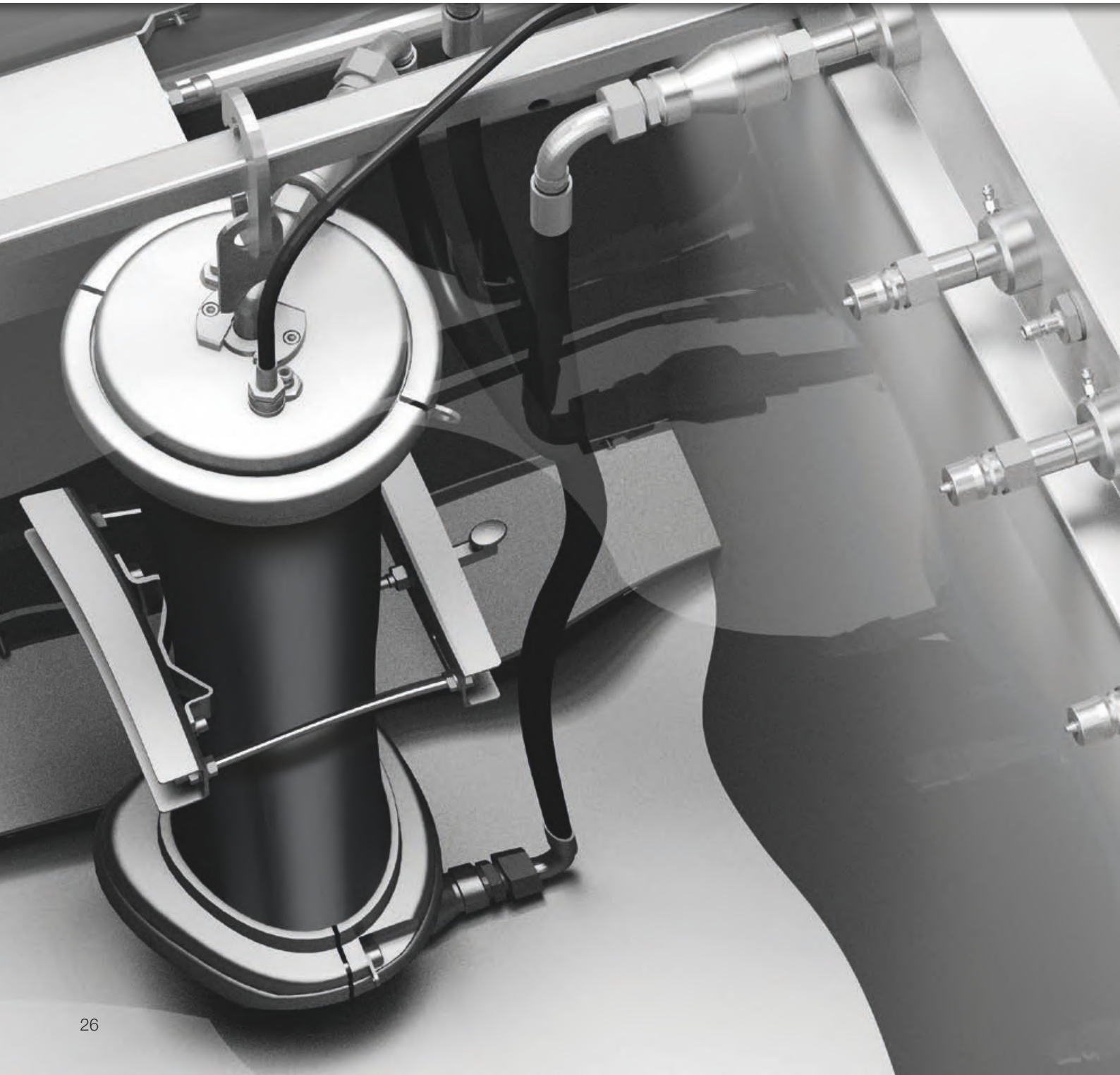
1690 Chlorine tester

Tests on finished products

Point load tester

Thermal aging tester

Standards
PAS 1075



1767 Thermal aging tester

• **The test device is used to simulate aging processes of coiled pipes and hoses made of plastic material.**
The unit maintains a constant flow of hot water through the sample and throughout the entire test. The test chamber has double-walled insulation. The test sample can be observed through a viewing panel made of safety glass. The door to the test chamber can be locked to protect the operator.



1775 Point load tester

• **The new point load test device** includes touch operation, integrated pressure regulation from 1 to 12 bar, automated failure detection and heatable storage containers (approx. 15 l) with agitator for topping up the wetting agent.



Tests on finished products

Burst chamber for leak test

Vacuum leak tester

Pull-out tester

Standards
ISO 3503 (EN 713)
ISO 3459 (EN 911)
ISO 3501 (EN 712)

1730 Burst chamber for leak test

The test device is used for leak tests on mechanical connections between moulded parts and pressure pipes under hydrostatic, internal pressure and simultaneously acting bending forces. A corresponding pipe test device for creating and dissipating the test pressure completes the test unit.



1715 Vacuum leak tester

The test device consists of a vacuum pump, pressure displays and a stop valve. The vacuum pump is used to create a vacuum in the test sample. The time until the test pressure is reached is manually determined. After locking the test sample against the vacuum device, the pressure increase in the test sample is recorded.



1652 Pull-out tester

This test device is used to determine the resistance of mechanical connections (except welding connections) to pull out according to ISO 3501 (replacing EN 712). Connections between molded pieces and pressure pipes of plastic piping system are exposed to axial tension stress.



Falling weight impact tester

Standards	
EN 744	ASTM D 2444
EN 1411	
ISO 3127	



Low-wearing belt drive



Accurate positioning of the weight by a servomotor



Performance of the test is only possible when the test chamber is closed



Automated measurement and storage of the dropping speed at impact

Leave an impact
The Model 1713 ball drop test device can be used for external impact tests for instance according to the “staircase” or the “round-the-clock” method. The modern PLC controller used by IPT allows impact frequencies of up to 25 impacts in 60 seconds (with 2 m dropping height). The weight is exactly positioned with maximum speed by using a servomotor.

1713 Falling weight impact tester

Ring stiffness tester

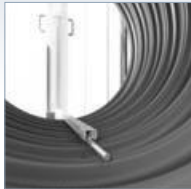
Standards	
ISO 9967	DIN 16961-2
ISO 9969	ASTM D 2412
ISO 13968	



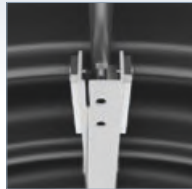
Fully automated test sequence



Continuous force measurement and recording



Continuous measurement of the current deformation



Digital storage and administration of the test results can be performed in IptDataLogging®

Flexible under compression
IPT offers specially adapted solutions for determining the ring stiffness, ring flexibility and creep rupture performance according to the standards. The device range covers all sizes up to 1600 mm. The equipment includes comfortable operation and clear visualisation based on integrated PC control, full application of the test force selected or deformation of the ring segments at constant, predefined speed. An optional distance measuring system continuously measures the change of the inner diameter.

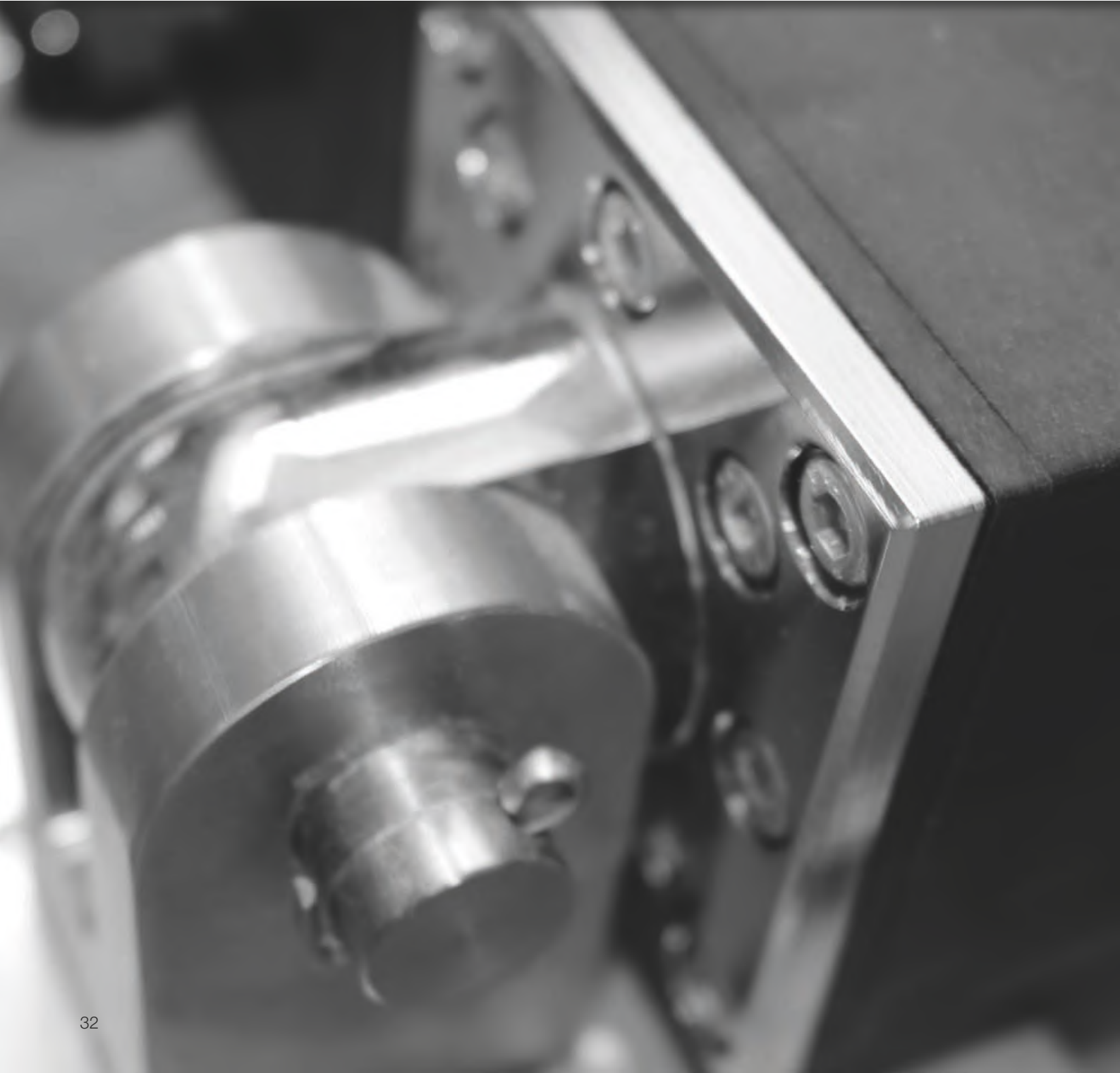


1669 Ring stiffness tester (top)
1663 Ring stiffness tester (bottom)

Combined tester

Unit for determination of resistance to water jetting

Standards
EN 1277
EN 1053
WIS 4-35-01



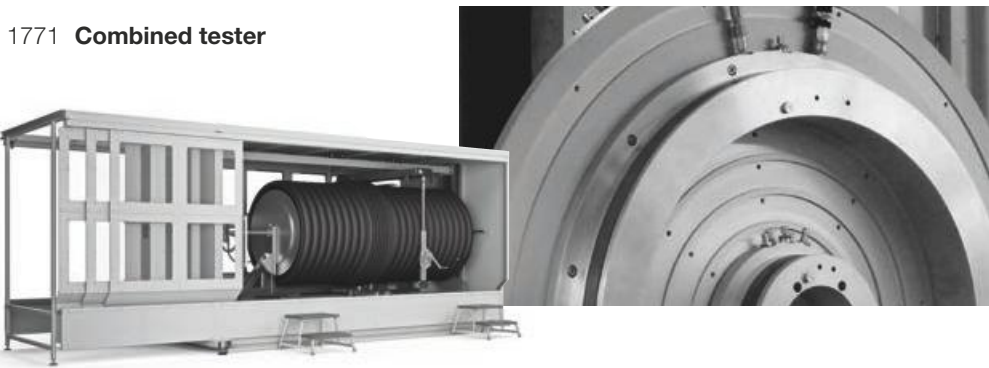
➤ **Leak-proof also under extreme conditions**
The IPT Combined tester is a multifunctional test station for drainage pipes. The basic version can be used to test the leak-tightness of pipes with a diameter of up to 400 mm from 0.5 bar internal overpressure to vacuum inside the test sample.

1351 Combined tester



➤ **For large dimensions**
The newly developed test chamber allows leak tests on pipes measuring up to 1,200 mm. The modified supply unit delivers the supply pressure required for this purpose.

1771 Combined tester



➤ **Resistant against high pressure**
Test station for determining the resistance of corrugated pipes against a high-pressure water jet according to WIS 4-35-01. Nozzle distance and angle of the continuously adjustable jet pipe can be set with adjustment gauges. Pressure generation up to 350 bar is possible. Including 90 m pressure hose.

1666 Unit for determination of resistance to water jetting



Tests on finished products

RCP-S4 tester

Standards
ISO 13477

1629 RCP-S4 tester (not illustrated)
1671 RCP-S4 tester

Striking arguments
The RCP-S4 tester conveniently and accurately determines the critical pressure and the critical temperature for fast crack propagation in PE pressure pipes. IPT provides you with a rugged, motor-driven test device with a separate control panel as well as suitable test sample holders with sealing caps, thrust bearings and tie rods for different pipe sizes. Parametrisation through the touch display
Model 1629 with test sample holder up to 250 mm
Model 1671 with test sample holder up to 500 mm



Three selectable impact speeds: 10, 15 and 20 m/s



Test pressures up to 25 bar



Automated test sample supply directly from the cooling chamber (Model 1671)



Notch milling machine

Standards
ISO 13479

1653 Notch milling machine

Perfectly notched
The pipe is fastened by a motor-activated clamping device, the zero-point is automatically determined and a notch with continuously adjustable length and depth is milled with a cutting rate according to the standards. An optionally available slot cutter further allows processing of test samples with a wall thickness greater than 50 mm in one work step. The integrated touch screen control calculates the notch depth according to the wall strength and the thickness of the remaining wall in percent.



Control through touch screen



Continuously adjustable notch length



Face cutter included



Testing raw materials

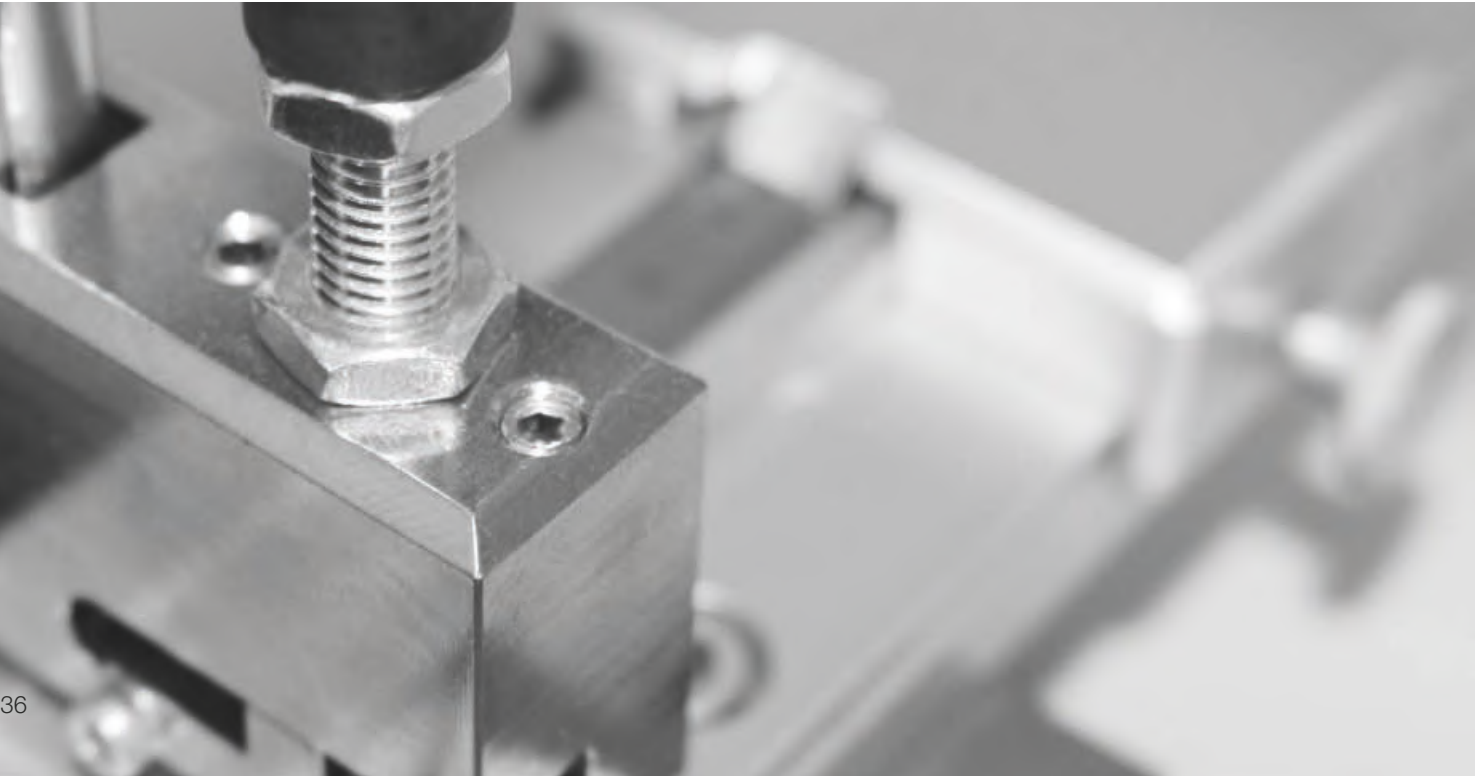
ESCR tester

Standards
ASTM D 1693

1692 ESCR tester

Constant stress

The ESCR tester is intended for material tests on plates made of thermoplastic material to determine stress crack resistance in various, temperature-controlled test media such as soap, detergents or oils. Up to 10 test samples can be exposed to the test medium in a sealable glass container. Up to 46 glass containers can be maintained at a specific temperature by the electronically controlled heating bath. The device is delivered with all accessories required for sample preparation.



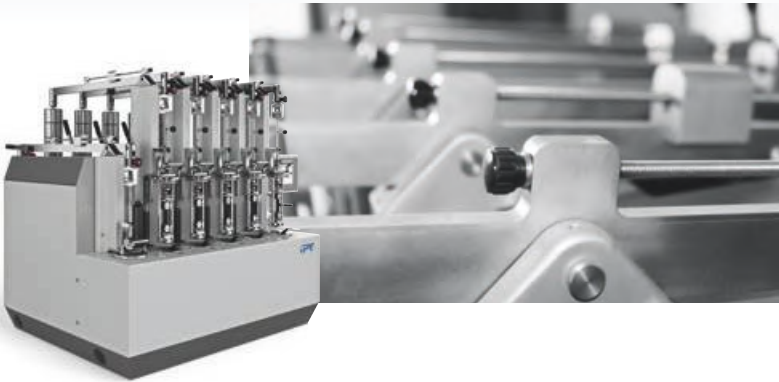
FNCT tester

Standards
ISO 16770

1719 FNCT tester

Loads of precision

The test device is operated through a touch display. Every station is thus individually controlled. The stress on the test samples is provided by manual positioning of weights. The filling level in the test basin is monitored and shown on the touch display.



1727 FNCT tester

For versatile requirements

6 stations with 6 different temperatures from 40 - 95 °C and different tension forces up to 2,000 N can be programmed and operated independently of each other. Each of the 6 test stations consists of an independent tension unit with its own controller (through the PC) and own media container.



1598 FNCT tester

Increased temperature range

The device consists of 6 independently parametrised tension units providing up to max. 4,000 N and individually temperature-controlled medium basins at up to 95 °C in watery solutions and up to 150 °C in oil.



Chemical test unit

Methylene chloride tester

Standards
EN 580
ISO 9852

1599 Chemical test unit

Chemically resistant
The chemical test station is used to expose polymer pipes with an inner diameter of up to 36 mm to various liquid chemicals at temperatures increased in a heating block to 60 – 200 °C and pressures between 0 – 100 bar. Up to 20 samples can be installed in 2 separately controlled temperature groups with 10 samples each. The IPT system ensures a safe testing environment and temperature distribution with an accuracy of ± 0.5 °C.



1556 Methylene chloride tester

Resistance against dichloromethane
The automated methylene chloride tester provides optimal protection when handling chemical test media that are hazardous to health. Simply place the test bodies into the lifting basket, close the lid, configure the test parameters on the display and press the start button. The lifting basket will dip into the test medium for the time selected. A water layer is provided above the test medium as a vapour barrier and the extraction system guarantees health protection. Constant temperature in the test medium is ensured by the recirculation through an integrated heating device and a cooling device.



MFR/MVR tester

Carbon black tester

Standards
ISO 1133
ASTM D 1238

Standards
ISO 6964
ASTM D 1603

1709 MFR/MVR tester

Determine MFR-/MVR values quickly and correctly
The automated test sequence including the calculation of the results considerably reduces the effort required. Accurate temperature control and distribution in the heating channel ensures reproducible results at any time. The IPT tester with self-optimising temperature controller from 50 °C – 300 °C requires that the test load (0.325 – 5 kg) must be manually applied. Various cleaning tools are included. Optionally available, motor-driven weight placement, integrated, automated cutting device, distance measurement to determine the melt volume flow rate, temperatures up to 450 °C, interface to IptDataLogging® and analytical scale.



1398 Carbon black tester

Determine carbon black and ash content
This is done by pyrolysis of the content in an inert gas flow (nitrogen), i.e. the residue is burned in air and the carbon black content is determined by differential weighing. The experimental arrangement of IPT is compact and clear: It consists of a pipe oven with upstream or downstream glass fittings and silicone hoses for the supply with nitrogen and air and the removal of combustion gases. The temperature in the oven is measured with a NiCrNi-temperature probe and shown on the display.



Preparation of test samples

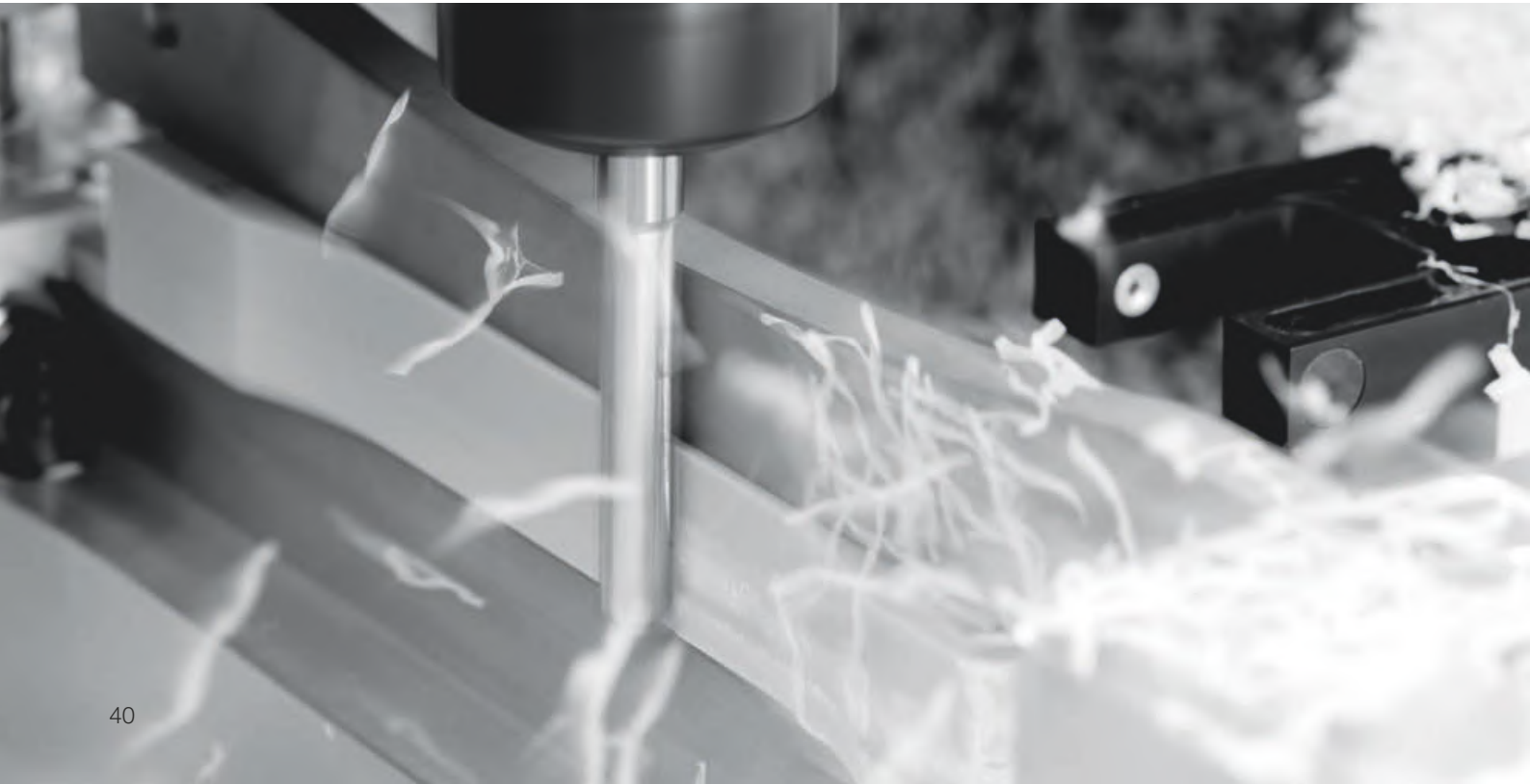
CNC milling machine

Standards	
ISO 179/180	ISO 16770
ISO 527	ASTM D 638
ISO 6259	ASTM D 1822



1643 CNC milling machine

Safe and easy
Bar- and bone-shaped samples with the prescribed dimensions are required for traction, pressure, bending and impact bending tests. A PC-controlled CNC test rod milling machine with predefined processing programs and special clamping devices mills these samples into all common test rod shapes. Optionally available with pneumatic clamping devices as well as a chip extraction system with air ionisation to prevent static charges.



Laboratory granulator

Marking gauge

Standards	
ISO 1133	ISO 2505
ISO 1183	
ASTM D 1505	



1665 Laboratory granulator

Perfectly punched
The compact IPT laboratory granulator facilitates the production of granules from finished products. It processes material thicknesses of up to 4 mm in a way that protects the material and without heating effects. The variable lifting speed allows for quick and effortless shredding of samples.



1291 Marking gauge

Clever all around
The new marking gauge can mark the surface of pipe sections with diameters up to 400 mm with markings that run exactly in parallel, The device consists of a prism with a spring-loaded strap that carries two hardened marking rollers. The marking rollers are attached at a distance of 100 mm and are provided with tips.

Wall thickness measuring unit

Standards
ISO 3126

Highly accurate wall thickness measuring

The pipe is placed onto a pipe support and can be turned along its longitudinal axis for measuring purposes. A measuring slide with a dial gauge measures the pipe at any chosen place and shows a digital representation of the wall thickness. Optionally also available with PC interface.

1049 Wall thickness measuring unit



Circometer Outside caliper gauge Vernier caliper

Overall good

External diameters of polymer pipes can be quickly and accurately determined with IPT circumeters for diameters from 15 – 3,100 mm.

H3017 Circimeter



A focused approach

Measurement of wall thicknesses with a reading accuracy of 0.01 – 0.05 mm. Pure routine, but essential for quality control in pipe and fitting production.

H3019 Outside caliper gauge



Accurately measured

The caliper gauge measures the oval shape of pipes in a simple way, yet with high reading accuracy.

H3024 Digital vernier caliper



IptDataLogging®

Test data management software

Independent of the location

IptDataLogging® monitors and records the tests you are performing, day and night. You can obtain a quick overview of the current status of your tests at any time, irrespective of the location of your IptDataLogging® client. Depending on how the rights are assigned in your network, each IptDataLogging® client can carry out all the test management tasks on all registered units. Tolerance violations or unit faults are displayed visually and can also be forwarded in the form of a text message/e-mail. This saves you time and cuts out unnecessary “flying visits” to the laboratory. An integrated web server allows you to view your units from any end device with a browser. Depending on the type of unit and its configuration, you may even be able to start tests from your mobile phone. to start tests from your mobile phone.

IptDataLogging® documents and archives all results, facilitates convenient input of all relevant data at your desk and sends relevant data at the right time to the respective test device. You are therefore always only one mouse click away from all relevant data and results.

IptDataLogging® can communicate with a multitude of current IPT devices. The software package is fully network-capable and can be optionally installed on any number of clients in the respective network. It supports all characters and allows the user to translate the operating language into the respective national language. The integrated Web server facilitates the display of your devices on any end device that runs a browser.

Features

- **Variable database access,**
e.g. ODBC3 (Windows® Access, SQL-Server), Oracle® database, Sybase® Adaptive Server, PostgreSQL®, MySQL®, IBM®, DB2®, SQLite, interbase®
- **Pipe Data Flow**
Project Management functionality, Direct Pipeson-File Export (*.pson), Direct interface to Pipeson Data Manager
- **Integration of third-party devices**
e.g. via Modbus-TCP, Modbus-Serial, Sinec-TCP, Serial text, ...
- **Structured, modern, clear user interface**
- **Easy handling**
- **Complete documentation** of the entire test procedure and the results with images and graphical evaluation by the integrated report designer.

- **Complex search options and direct forwarding** of your result tables (e.g. Excel...)

Integrated customer administration

Freely definable customer fields
Link test to customer

Status display

- Laboratory view
- Device connection overview
- Device detail view

Test administration

- **Simplified registration of new test samples** by selection of templates or copies
- **Import of test data** from a secondary data source (text files, ODBC,...)
- **Transfer of the parameter to the devices**
- **User defined search functions**

Configuration option

- **Language setting** for all types of writing (also Chinese, Arabic, Cyrillic, etc.)
- **Selection between metric and Imperial measuring system**
- **Line plotter function** for graphical display of measuring values, e.g. pressure, temperature, force.
- **Automatic data backup**
- **Storage of test description types with freely definable fields**
- **Creation of reports and lists** using the integrated report generator
- **Automatic notification** using electronic messaging
- **Automated printout** for definable results

All laboratory equipment from one source

Devices from reputable brands

IPT has high standards regarding test devices and measuring instruments for testing of polymers. IPT has included a series of high-quality branded devices of reputable, international manufacturers in its programme to be able to offer a complete set of the most modern test equipment. Just tell your IPT contact person your exact requirements and we'll be pleased to provide you with a solution.

Model no.	Denomination
H3000	Analytical scale
H3003	DSC system
H3006	Unit for determination of the degree of cross-linking
H3013	Vicat tester
H3018	Pendulum machine
H3021	Moister content tester
H3024	Digital vernier caliper
H3001	Analytical sieving machine
H3004	Device for determining volatile components
H3008	Test unit for determination of the K-value
H3014	Convection oven up to 300 °C

Model no.	Denomination
H3019	Outside caliper gauge for measuring of the wall thickness
H3022	Laboratory microscope
H3025	Bath and recirculation thermostat
H3031	Manual toggle press with blade cutter
H3002	Unit for determination of the density inclusive scale
H3005	Unit for determination of the water absorption
H3009	Rotational microtome
H3016	Tensile testing machine
H3020	Digital Shore hardness tester
H3023	Digital micrometer
H3026	Cooling cells

Individual

IPT after-sales services are provided around the globe. Hotline, telephone service and remote maintenance ensure safe and smooth operation of your IPT system and IptDataLogging® application. A maintenance contract with IPT ensures the reliability and long-term value of your

systems. Regular maintenance and calibration are logged. You can therefore document your own quality requirements. Training in the operation of the IPT test systems as well as effective use of IptDataLogging® are available at the well-equipped IPT training facility in Germany.





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