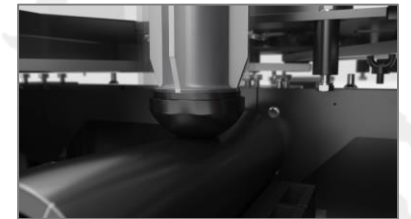
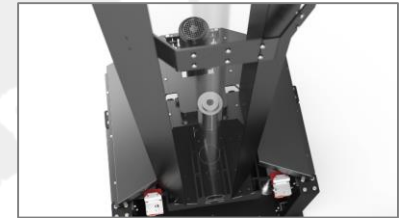
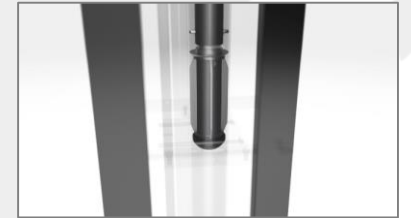
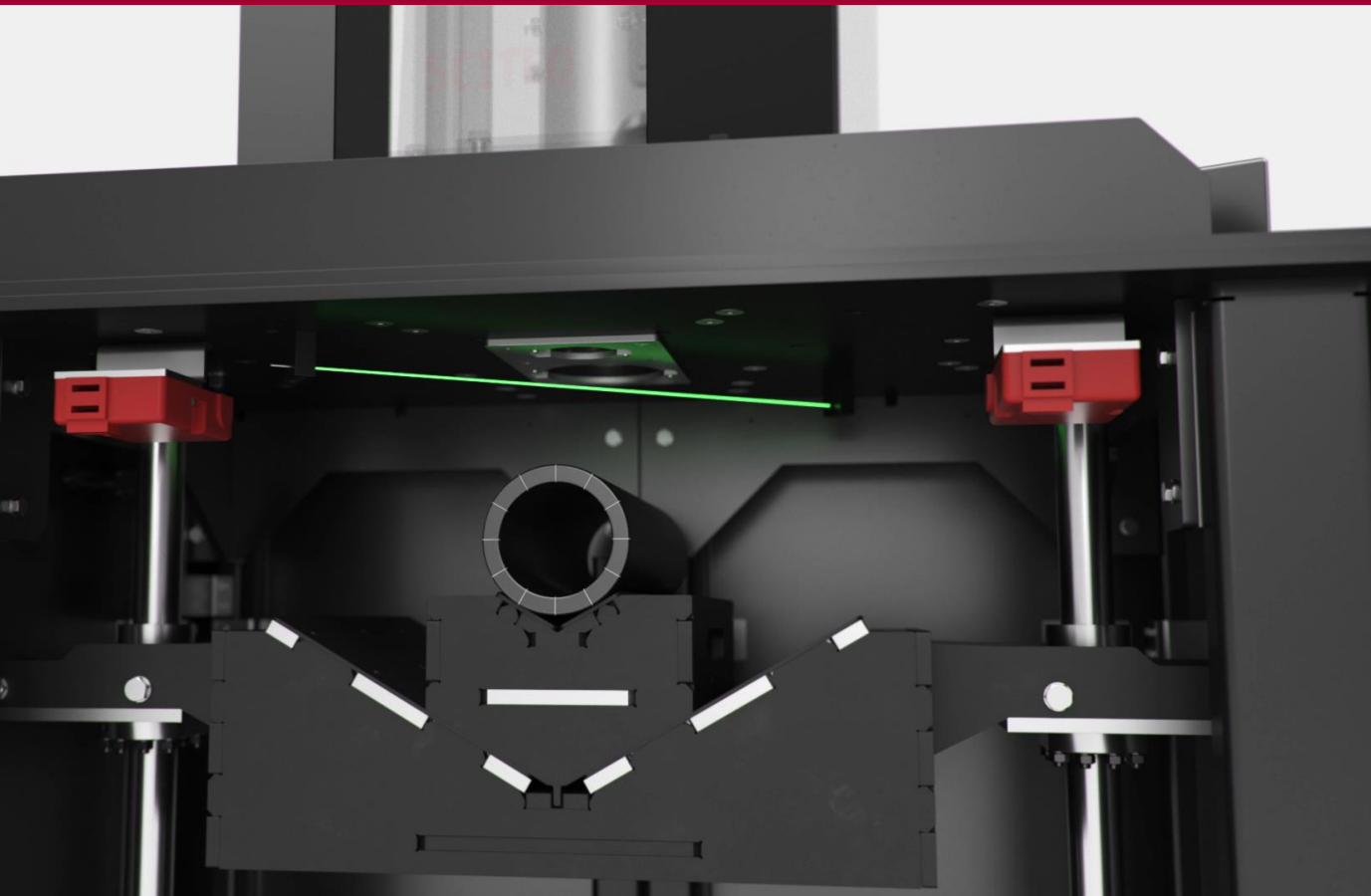


SCITEQ

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B50 Impact tester

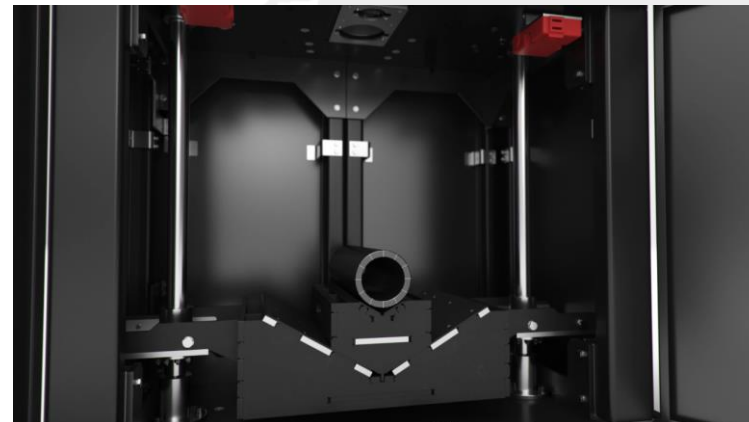


To predict the future is to invent it

SCITEQ

www.sciteq.com - sales@sciteq.com

Product: B50 Impact tester



SCOPE

The SCITEQ B50 impact tester is developed specifically for plastic pipe producers. The versatile test unit is intended for use in a production environment with particular emphasis on ease and speed of use, low maintenance and safety.

The B50 impact tester complies with ISO 3127, EN 744, EN 1411 and ASTM D 2444 and equivalent.



Construction

The SCITEQ B50 Impact Tester is equipped with a unique closed vacuum loop, enabling extremely fast repeat of tests as well as safe and precise adjustment. The system has built-in impact speed measurement to prove the falling velocity of each test. Weights can be exchanged in seconds and all parameters are easily selected via the user-friendly control panel.

Product: B50 Impact tester

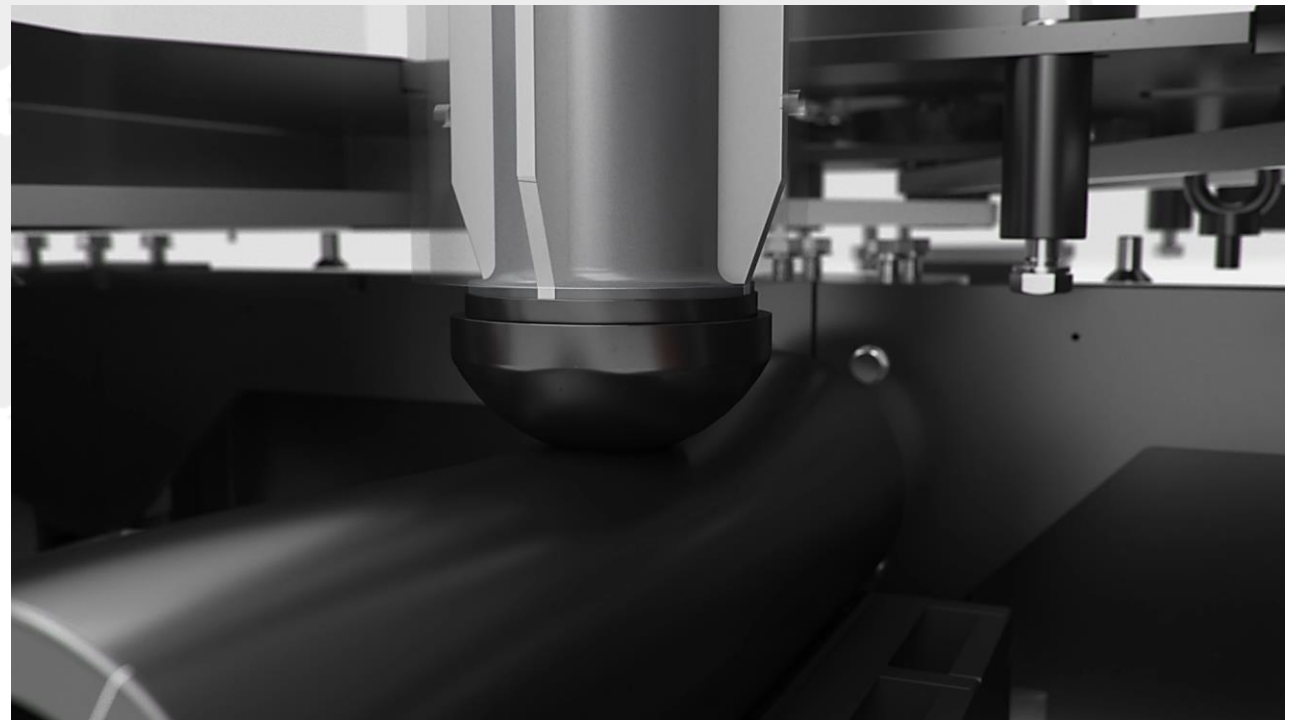
Highlights

- ✓ *Unique frictionless vacuum lifting*
- ✓ *Speed measurement*
- ✓ *For pipe sizes DN32-2000*
- ✓ *Automatic calibration*
- ✓ *Safe operation*
- ✓ *Extremely durable design*

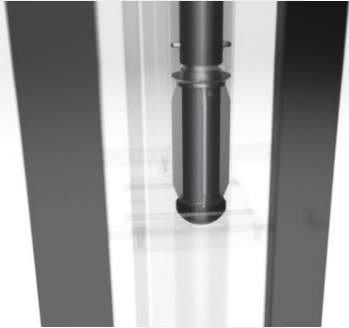
Standards

The B50 impact tester enables you to test according to below standards:
ISO 3127
EN 744
EN 1411
ASTM D 2444

The B50 impact tester may very well enable you to test according to other standards beside the ones listed above. Please refer to technical specifications in the back of this brochure or contact SCITEQ A/S for more information.

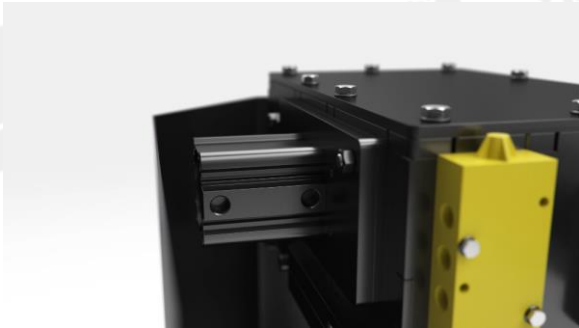


Product: B50 Impact tester



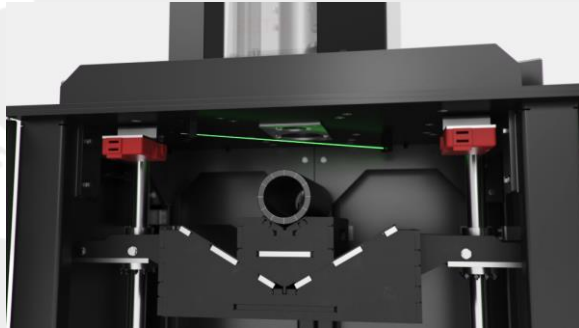
Frictionless falling tube
The frictionless environment inside the falling tube ensures accurate results and fewer mechanical parts to maintain.

In case of a power failure, the weight automatically descends slowly into its default position.



Vacuum system
The striker is effortlessly lifted into place inside the falling tube by the vacuum system.

Upon impact, the striker is immediately lifted by the vacuum system, ensuring no double bouncing.



Easy & safe
A wide range of safety features prevents release of the impact weight, unless the doors are closed.
And when performing round-the-clock repeat tests, the striker weight can be locked in its safety position in the top of the tube, allowing the operator to easily turn the sample before safely repeating the test.



Automatic calibration
Starting up the system auto-calibrates, giving you 100% reliable and repeatable performance.

To prove each test, the impact speed monitoring system provides you with all the information you need, including the speed of the striker.

Dimensions

Product: B50 Impact tester – model 630

Dimensions

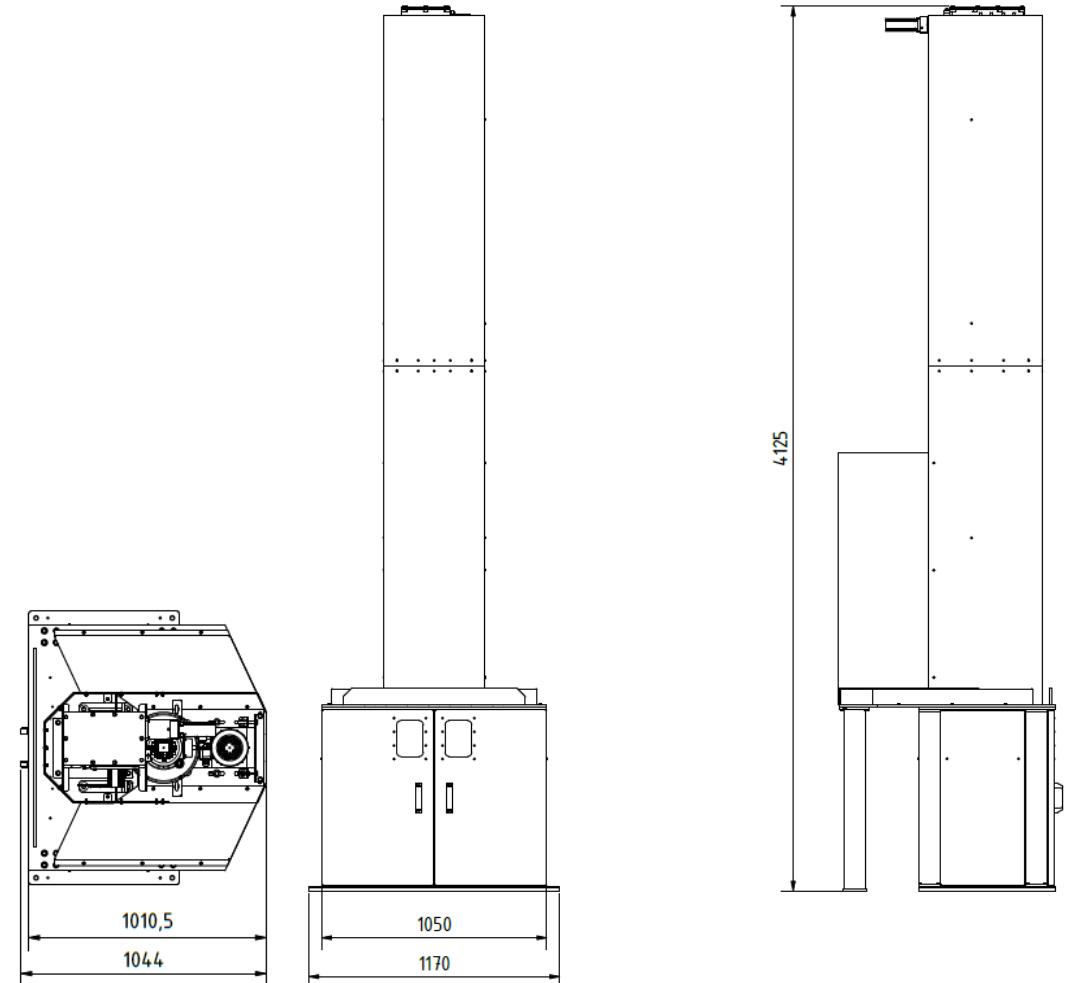
SCITEQ B50 Impact tester model 630

External dimensions: L1170 x W1044 x H4125 mm + controller on stander.

Weight approx. 840 kg.

Shipped and delivered in 3 colli.

NOTE! Please refer to table on following page for dimensions according to above drawings.



Dimensions

Product: B50 Impact tester – model 1400

Dimensions

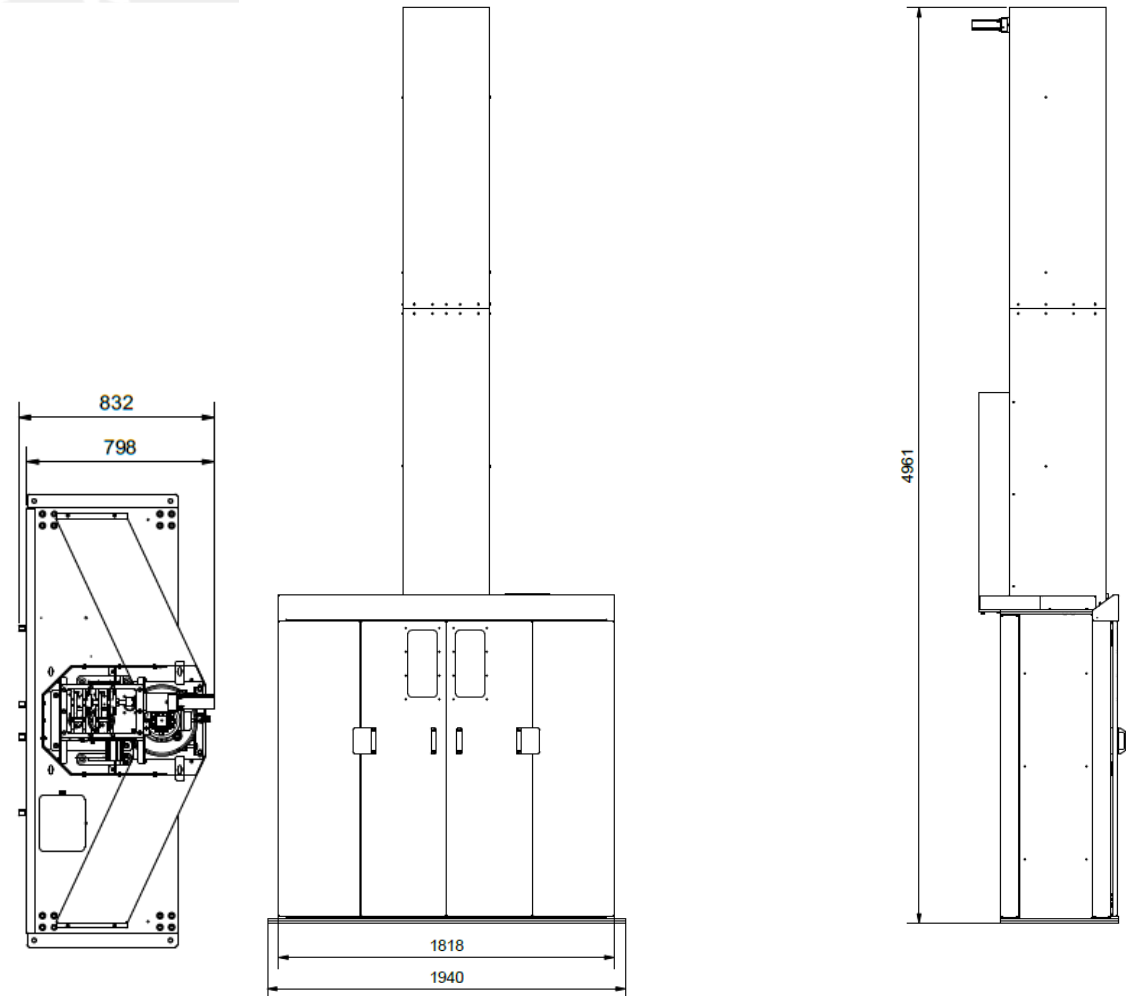
SCITEQ B50 Impact tester model 1400

External dimensions: L1940x W832 x H4961 mm + controller on stander.

Weight approx. 1260 kg.

Shipped and delivered in 3 colli.

NOTE! Please refer to table on following page for dimensions according to above drawings.



Dimensions

Product: B50 Impact tester – model 2000

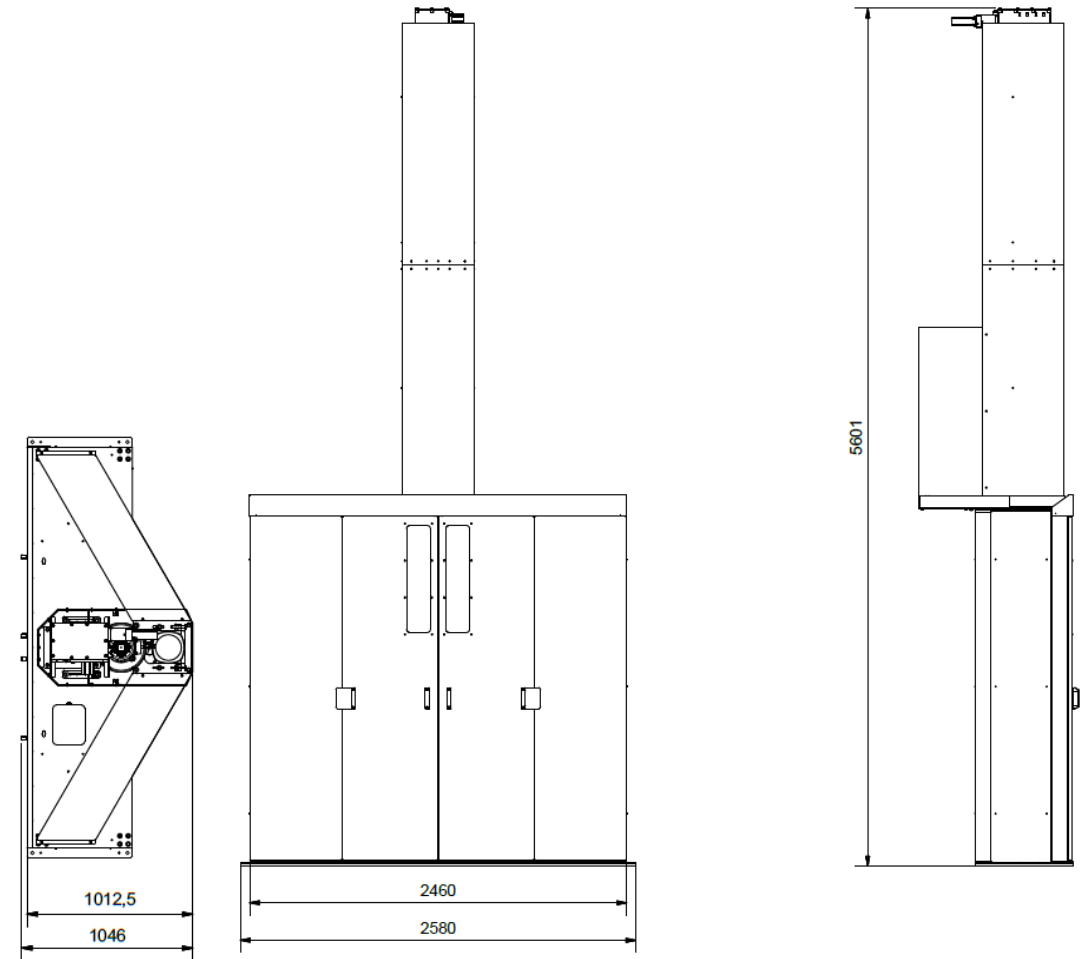
Dimensions

SCITEQ B50 Impact tester model 2000

External dimensions: L2580 x W1046 x H5601 mm + controller on stander.

Weight approx. 1900 kg.

Shipped and delivered in 3 colli.



NOTE! Please refer to table on following page for dimensions according to above drawings.

Product: B50 Impact tester

| | Standard models | | |
|------------------------------------|--|--|--|
| | Model 630 | Model 1400 | Model 2000 |
| Pipe range [mm] | DN20-DN630* | DN20-DN1400* | DN20-DN2000* |
| Test room dimensions WxHxD [mm] | 720 x 700 x 470 | 1490 x 1420 x 470 | 2130 x 2200 x 470 |
| Falling height [mm] | 300-2000** | 300-2000** | 300-2000** |
| External dimensions LxWxH [mm] | 1170 x 1012 x 4120 | 1820 x 760 x 4950 | 2580 x 1010 x 5800 |
| Weight [kg] | Approx: 840 | Approx: 1260 | Approx: 1900 |
| Falling tube diameter [mm] | DN100 and DN55 | DN100 and DN55 | DN100 and DN55 |
| Striker mass range [kg] | 0,25-16 *** | 0,25-16 *** | 0,25-16 *** |
| Testing according to | ASTM D2444, EN13476, EN744, EN1411 & ISO3127 | ASTM D2444, EN13476, EN744, EN1411 & ISO3127 | ASTM D2444, EN13476, EN744, EN1411 & ISO3127 |
| Falling speed accuracy | Better then 95% of the theoretical speed | Better then 95% of the theoretical speed | Better then 95% of the theoretical speed |
| Falling speed measuring | √ | √ | √ |
| Touch control panel | √ | √ | √ |
| Power supply | 3x 400 V, 50/60 HZ**** | 3x 400 V, 50/60 HZ**** | 3x 400 V, 50/60 HZ**** |
| Power consumption | Approx: 1,5 KW, 2,2 A | Approx: 1,5 KW, 2,2 A | Approx: 1,5 KW, 2,2 A |

*Testing on DN20-DN31 requires additional anvil.

**Falling height can be customized for up to 5000 mm.

*** Other supply voltage on request

**** The maksimum striker mass capacity is reduced as a function of increase in altitude.

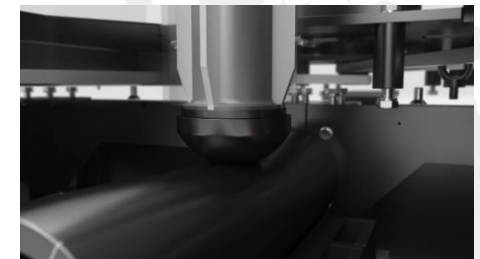
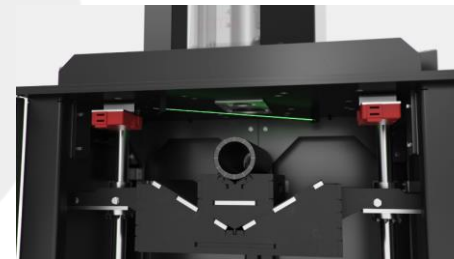
Technical Specification

SCITEQ

Product: B50 Impact tester

| | Standard models | | |
|----------------------------|-----------------|------------|------------|
| | Model 630 | Model 1400 | Model 2000 |
| Operation temperature [°C] | 1-40 | 1-40 | 1-40 |
| Storage temperature [°C] | -20 – 50 | -20 – 50 | -20 – 50 |
| Air supply | 4-8 bar | 4-8 bar | 4-8 bar |
| Calibration certificate | √ | √ | √ |
| CE Approval* | √ | √ | √ |

*Machine can be supplied with UL and/or CSA approved parts.



Product: B50 Impact tester



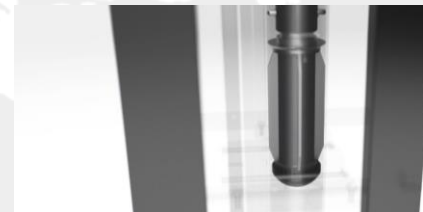
Strikers

SCITEQ design strikers according to specific test standards. Weights between 0,250 kg and 16 kg with striker heads acc. to standards are available.



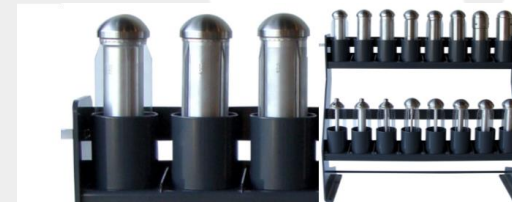
V-blocks

The V-blocks facilitate testing on pipe diameters as small as $\varnothing 32$ up to $\varnothing 2000$ mm (dependant on model). Other inserts are configured on request.



Extra falling height

Falling height can be customized for up to 5000 mm.



Storage rack

SCITEQ supplies storage for strikers designed according to needs and dimensions of strikers.

Product: B50 Impact tester

Essential Equipment



ECO line Thermo Tank

The SCITEQ ECO line or INNO line thermos tanks are for precise conditioning of the samples from 0°C. Available in a wide range of sizes.



SCITEQ Conditioning Chamber

SCITEQ supplies customized conditioning chambers for a temperature range of -25 to 20 °C. Easy to configure and scale according to your needs.

Associated Equipment



SCITEQ Lab saw

For preparing plastic pipe samples by making a parallel cut and chamfering edge in one go. Conveyor with auto feeding. Pipe diam. from Ø32 mm to Ø630 mm.

The solution allows for the use of predefined recipes, making it easy to get started no matter the material, length, thickness or diameter of the pipe.

Service & Support around the Globe



Installation & Training

SCITEQ's trained service technicians perform onsite installation of your new SCITEQ equipment as well as onsite or remote training of your operating personnel who will be using the equipment.



Service agreements

With a SCITEQ service agreement you can rest assured your equipment will perform 100% all the time. Specialized service engineers will visit you annually to perform the best service and calibration of your equipment. You can always liaise with your SCITEQ service technician when in need of advice, looking for new solutions or trying out new equipment.



Support online & on-site

SCITEQ offers online and on-site support on all SCITEQ products, for fast and effective problem solving, training, setup, etc. If you have an unforeseen challenge or you need advise asap, you can contact service@sciteq.com or call us for urgent support.