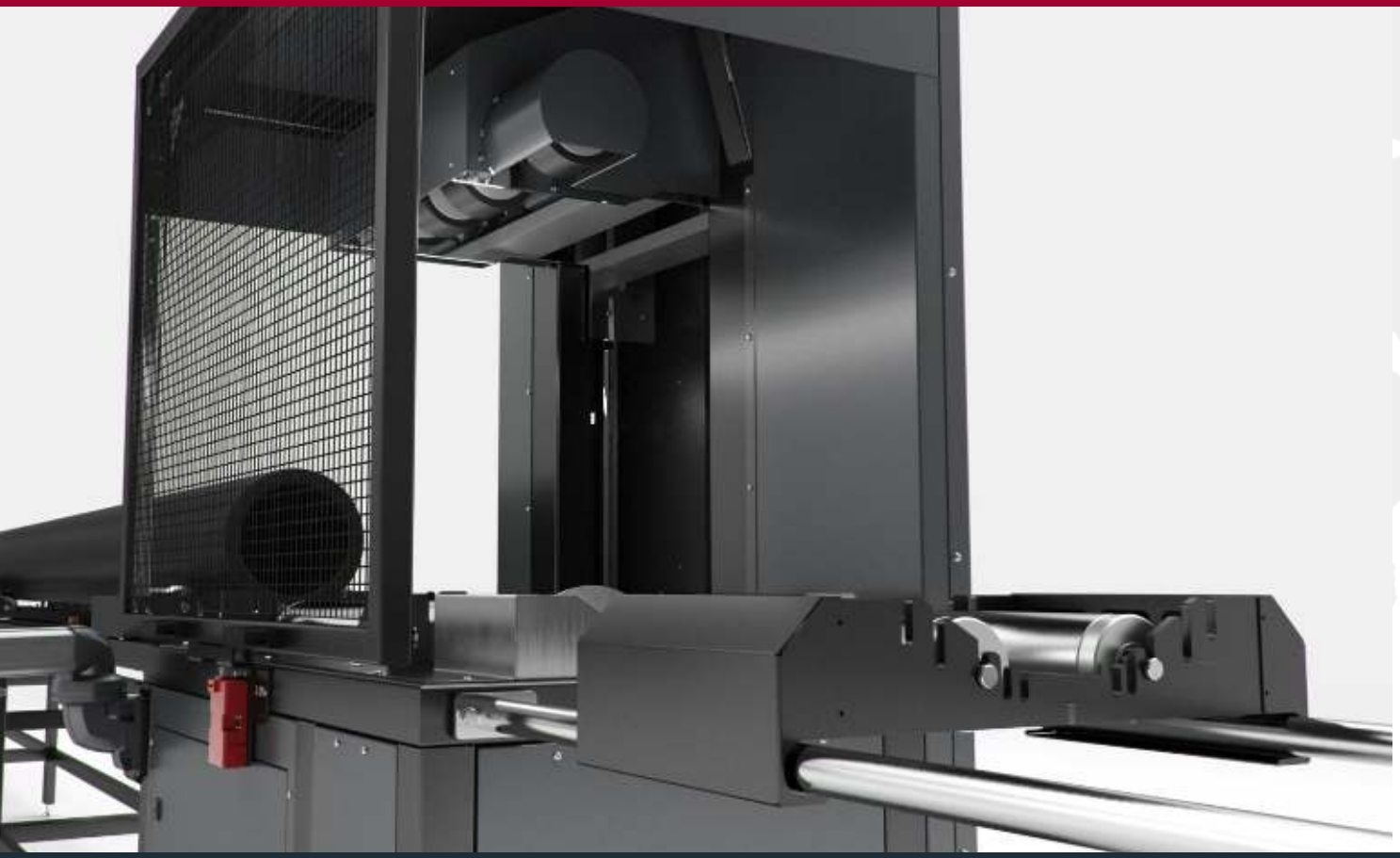
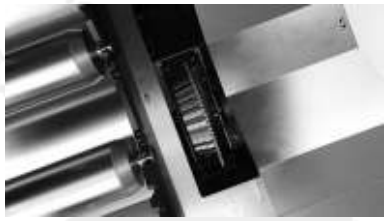
SCITEQ

Laboratory saw





To predict the future is to invent it

About

SCITEQ

Product: Laboratory saw

SCOPE

The Laboratory Saw makes cutting and chamfering pipes faster, safe and more precise than ever, with the whole process taking place all in the same time.

The lab saw is suitable for testing according to ISO **1167, ASTM D1598 and ASTM D1599**

RANGE

The lab saw is specially designed for laboratory preparation of pipe samples at any length between 20 – 6000 mm and for diameters from Ø32 mm up to Ø660 mm as standard and larger on request.
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

Construction

The saw is constructed in black coated and stainless steel. When a cut is initiated from the remote control, the auto conveyor (option) moves the pipe into position and the cutting and chamfering automatically starts. The saw blades move up to and through the pipe sequentially according to the chosen recipe, ensuring a clean cut.

Highlights

Product: Laboratory saw

Highlights

- ✓ *Recipe library*
- ✓ *Cutting & chamfering in one go*
- ✓ *For pipe sizes DN32-660 or larger on request*
- ✓ *Auto-conveyer*
- ✓ *Highest accuracy in the market*
- ✓ *Automatic safety features*

Features

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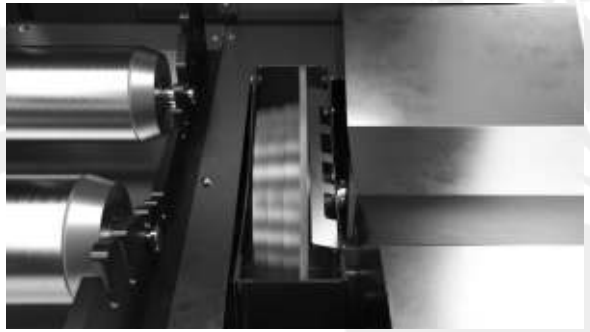
Auto conveyer

The optional auto conveyor enables auto feeding of the pipe to the cutter **according to selected recipe.** The **conveyer can be either left or right side.** After the pipe is placed on the adjustable sledges and support rollers, the motorized sledge (with built-in encoder) automatically moves the pipe up the conveyer into the saw according to the selected receipe.



Fast and easy

The lab saw makes cutting and chamfering pipes faster, easier and more precise than ever, with the whole process taking place all in the same time. The solution allows for use of predefined recipes incl. OD, thickness, length etc. enabling the full automatic cut and chamfer process in one go.

Safety

The safety cover must be completely locked before the cut can be initiated from the remote-control, by simultaneously pressing two buttons. **The build-in suction box removes the swarf during cuts ensuring a hazard free working environment.** Additionally, the motor brake quickly brings the saw-blade to a complete halt when the emergency stop button is pressed
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Floating console

The floating automatic pipe roller console ensures a stabile placement of the sample at all times. The console rotates the pipe while at the same time compensating for any pipe ovality.

Technical Specification

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Product: Laboratory saw

	Standard model
Pipe range capacity [mm]	OD32 – OD660
Wall thickness range capacity [mm]	5 – 70 mm*
Cutting materials	PE, PP, PVC and similar/others on request
Pipe length capacity	Standard 1890 mm and 6000 mm with automatic conveyor
External dimensions (incl. manual conveyor) LxWxH [mm]	5680 x 1200 x 2100
Weight without conveyor [kg]	Approx: 620
Weight of automatic conveyor pr. meter [kg]	Approx: 60
Optional chamfer sequence	√ (15°)
Fully automatic recipe cutting control	√ (Memory for 100 recipes)
Export/import of recipe	√
Exhaust swarf removal	√ (65 L bag)
Max. pipe concentricy	Pipe must be within +/- 2% outside surface
Cutting length accuracy	+/- 1,5 mm**
Power supply	3x 400 V + neutral, 50/60 HZ***

*When cutting wall thickness greater than 50 mm, chamfering will not be optional, when using a saw blade with chamfer tool.
**Accuracy may drop in case of oval and/or non linear pipes.
***Other voltage available on request. Please note that the saw is delivered with inverters, why power supply must be prepared for this.

Technical Specification

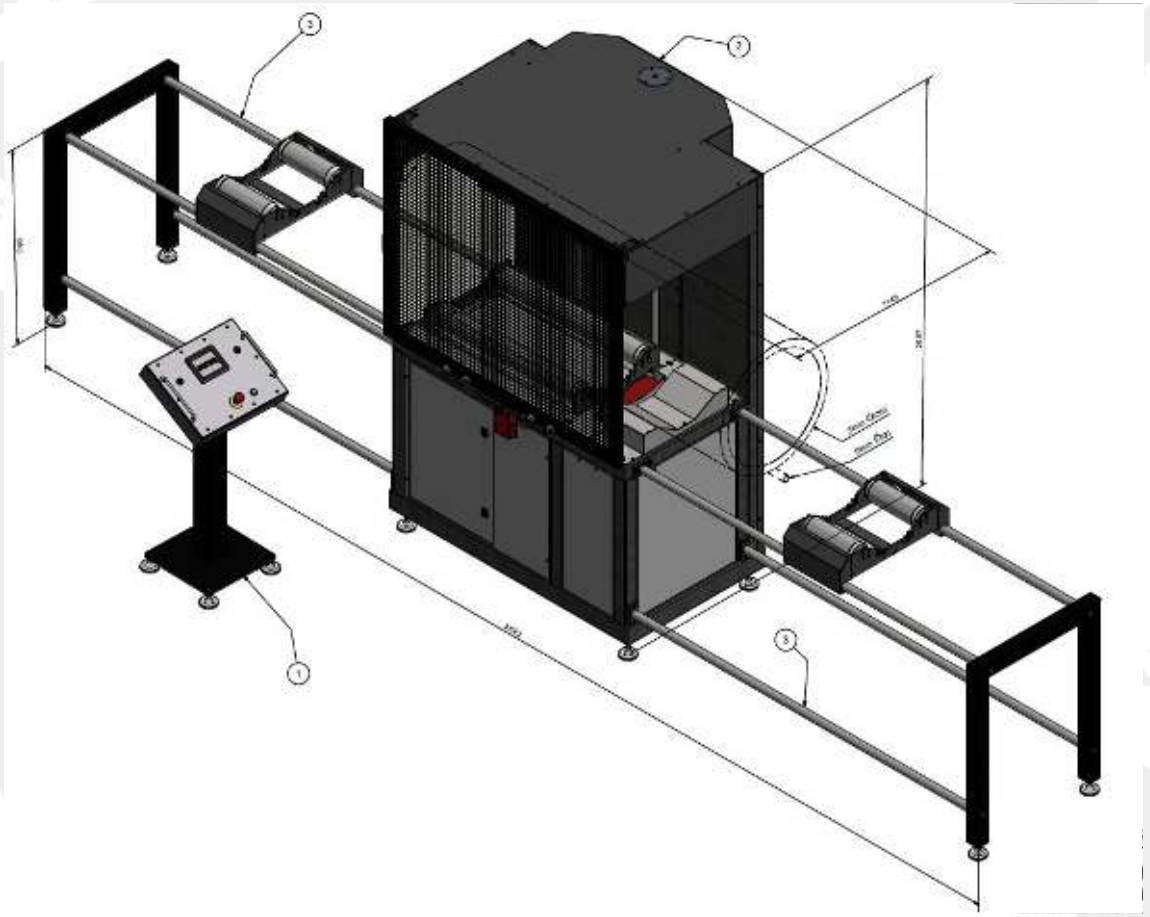
SCITEQ

Product: Laboratory saw

	Standard model
Power consumption	Approx: 3,5 KW, 5 A
Material: frame and coverplates	S235JR (Powder coated)*
Operation temperature [°C]	1 - 40
Storage temperature [°C]	-20 – 50

Dimensions

Product: Laboratory saw



Dimensions

SCITEQ Laboratory Saw consists of the cabinet and conveyer. Conveyer is configured according to customer requirements.

External dimensions: L5520 x W1200 x H2100 mm + controller on stander.

Weight from 620 kg.

Shipped and delivered in 3 colli.

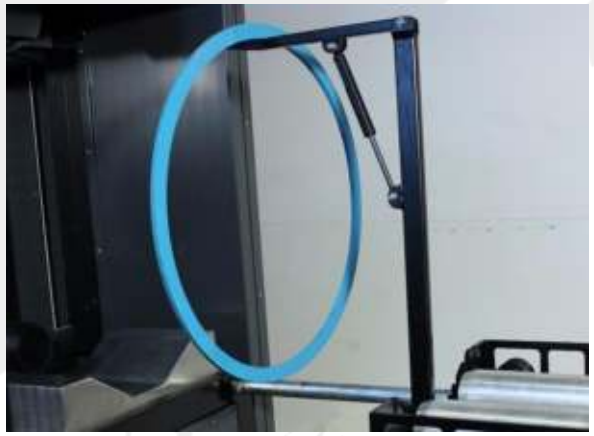
NOTE! Please refer to table on following page for dimensions according to above drawings.

Accessories

Product: Laboratory saw

Pipe cut-off catcher

For cut-offs of pipe diameters from DN 40 to 630 and cut length up to 400 mm. Ensure samples are arranged and handled properly after the cut. The pipe catcher catches even thin ‘slices’ of large diameter pipes.



Pipe end stop

For longer pipe cut-offs. The pipe end stop is placed on conveyer to conveniently hold cut-offs in place during and after the cut.

Associated Equipment

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Product: Laboratory saw

SCITEQ End closures

SCITEQ is supplier of various ranges of end closure suitable for almost any purpose. Within a range of Ø8-Ø1600 mm, with or without tie-bars.

SCITEQ B50 Impact tester

The innovative closed vacuum system of the B50 Impact Tester is invented by SCITEQ. The frictionless environment inside the falling tube ensures not only accurate results but also fewer mechanical parts to maintain.

X-ACT Pressure Test Equipment

The SCITEQ X-ACT Pressure Test Equipment is the obvious choice to pressure test your sample. The modular solution is suitable for testing pipe and fittings pressurized within a range of 1-400 bar at 2-100 l/min.

SCITEQ MCT cabinet

The Methylene Chloride Temperature Test Cabinets from SCITEQ can be used both for MC and MCT test. The cabinet has automatic sample lifting system, lifting up sample after end test.

SCITEQ Service & Suppport

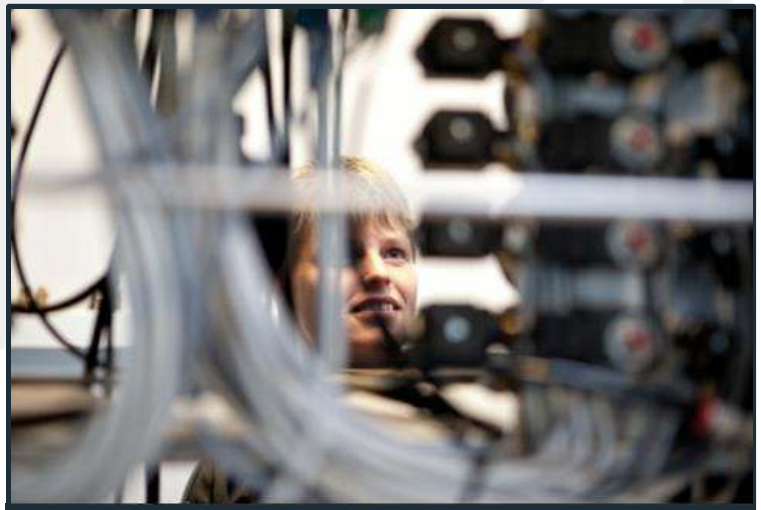
Service & Support around the Globe

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.