

function

SCITEQ'S laboratory saw is designed to allow preparation of samples for use in various test methods. The apparatus makes a parallel cut and can also chamfer the finished edge. Typical tests that require sample preparation are: internal pressure, MCT, heat reversion, dimensions control and impact testing.

highlights

high accuracy
temperature control

minimal energy loss

customer tailored
solutions

high quality
components

unique design

easily accessible
service components

features

The lab saw is specially designed for laboratory preparation of pipe samples for dimensions from Ø 32 mm up to Ø 630 mm. As an alternative, the machine can be made for up to Ø 800 mm pipes. The cutting of pipes is often made for internal pressure, Impact, Glycerine, Methylene Chloride, Dimension, Dimension stability and other test purposes. In all the cases you need to cut and possibly chamfer the edge of the pipe.



We wish to give our partners the tools to produce to the highest standard, while helping them to produce as cost effectively as possible with Q.C. tools throughout the factory.

construction

The sample is placed on the table of the saw. On the longitudinal basis there is a scale with a stop so that all dimensions of samples can be placed against this and cut in various lengths.

The entire top construction of the machine is moved down using a hydraulic press system and secures thereby a stable basis for the sample. At the same time the cutter is protected in the chassis of the machine until the top cover has moved down on the sample.

First the sample is secured with the hydraulic press system, and then the cutter is manually moved up to cut the sample. If the edge of the sample needs to be chamfered, this is done by pulling the cutter a bit further up. A chamfer milling head of Ø 180 mm is attached to the cutter and this will then chamfer the newly cut sample.

The machine can be supplied with an exhaust fan, which then leads all chaff waste out, directly at the cutting point.

associated equipment ▲ essential equipment

SCITEQ-2000

MCT test cabinet

Glycerine test cabinet

end closures

B50 impact tester

pipe diameters: standard: Ø 32 mm to Ø 630 mm
 alternative: Ø 710 mm or Ø 800 mm

wall thickness < 40 mm (others on request)

cutting head Ø 250 mm with 80 teeth

chamfer head Ø 180 mm

lab saw dimensions: L x W x H: 1420 x 915 x 2000 mm

air supply: 6-10 bar, 150 L/min

electrical supply: 3 x 400 V + N + PE 16A, 50 Hz



SCITEQ lab saw with exhaust

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