

## function

The **SCITEQ** Charpy pendulum impact tester is used to conduct resilience tests on rigid plastic materials in order to determine their impact fragility characteristics under standard stress conditions. The test method conforms to ISO 179 - Part 1 (non-instrumented impact test).

## highlights

high accuracy tool

easy and convenient operation

steel construction

high quality components

high safety level

## features

The **SCITEQ** Charpy pendulum impact tester is easy to operate with its simple and to-the-point menu structure. The test specimen can be cut by means of a copy milling machine.

The test specimen, supported near its ends as a horizontal beam, is impacted by a single blow of a striker, with the line of impact midway between the supports, and bent at a high, nominally constant, velocity.



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 **SCITEQ** Charpy pendulum impact tester has a frame made from steel and consists of a rotation shaft and a pendulum stop unit. In addition there is an anvil a level meter, a control panel, three feet and an eyebolt.

Further, a specimen support is supplied along with a centering device is supplied for notched Charpy specimens.

The pendulum either has a capacity of either 7,5/15 Joule or 25/50 Joule.

On the LCD display the absorbed energy in joules after test specimen impact will be shown. Recorded test results can be analysed further via equations specified in the standard.



LCD control panel with operating buttons

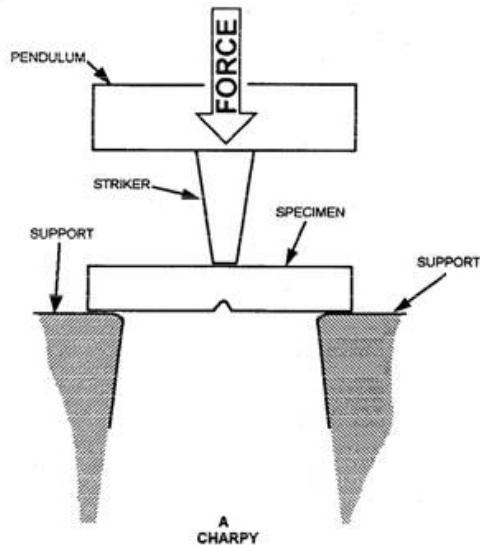
version 06/2010

associated | equipment

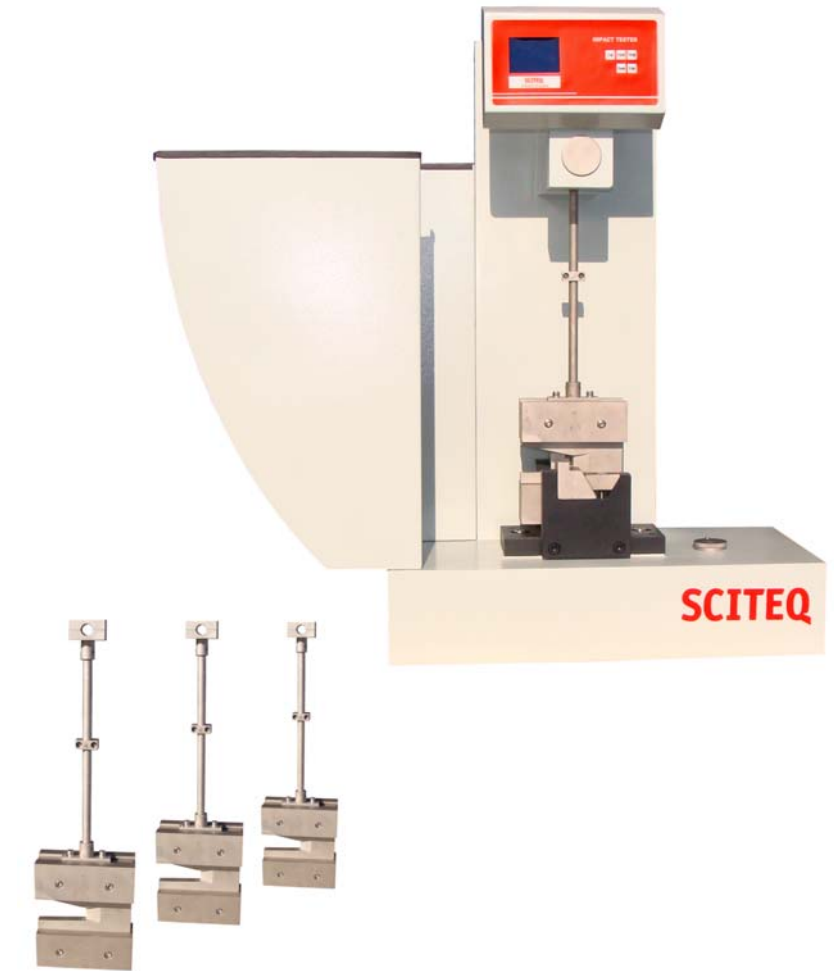
▲ | essential equipment

copy milling machine

- impact speed 3,8 m/s
- impact energy 7,5J/15J or 25J/50J
- release angle 150°
- measurement accuracy ±0.1%
- resolution 1%
- display LCD
- electrical supply 220-240V AC, 50-60Hz
- main dimensions (L x W x H) 550mm×300mm×890mm
- weight 108 kg



force applied by means of the Charpy testing method



Charpy pendulum hammer

**SCITEQ A/S**  
Rho 3  
DK-8382 Hinnerup  
Denmark  
Tel: +45 86 96 19 33  
Fax: +45 86 96 24 75  
www.sciteq.com  
sales(at)sciteq.com