

## function

The **SALT** by **SCITEQ** SCT series electric motor Universal Material Testing Machine (UTM) combines high performance, unique design and ease of use. Ideal for testing applications up to 2000N / 2kN. Designed equally for routine quality control testing and for performing complex multi-stage tests. Complies with international standards.

## highlights

high accuracy equipment  
superior software package  
solid construction

user friendly  
many accessories available  
multi functional

## features

- Load measuring system exceeds the requirements of all recognised international standards
- Single column
- Uses high accuracy interchangeable load cells from 2kN
- Test space available 170 x 1000 mm (W x H)
- Speed range 0.01–500 mm/min (0.0004 to 19.68 min)
- Multiple programmable test set-ups (tensile, compression and bending etc.)
- Extensometer, grips and various tools is available as options
- Can be placed on a table or on the floor for large sample/complete assembly testing
- PC software for material testing and data analysis is optional.
- MITSUBISHI Servo Motor Operation method of electronic control measuring system



## construction

The machines use high accuracy interchangeable load cells for tension, compression and bending through zero force measurements.

The SCT series are run with an LCD high resolution controller, incorporating latest technology for highly accurate load measurement and rapid data acquisition.

The high stiffness frame delivers a guidance and force system with use of high quality components, such as Mitsubishi servo motors, Motovario gears from Italy, and Japanese or German ball screws as standard components. We use only the highest quality components ensuring best market performance.

Software made for the SCT series enables users to know intrinsic characteristics of various materials, such as stress, strain, modulus, yield point, etc. that become the main measure of material property tests and material property such as tensile, compression, bend, flaking, repetition and maintenance test.

A large programme of accessories is available: grips, load cells, peel grips, rectangular and circular compression platens, extensometer and various solutions for test of physical characteristics of various materials and products.

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.

## associated equipment

## essential equipment

load cells

grips

compression  
platensextenso-  
metersinner  
diameter  
measuringring stiff-  
ness  
softwarePC analysis  
software

die cutter

copy miller

**SCITEQ — A Brand of Quality**

## SCT1000—2kN

Frame capacity:	2kN
crosshead speed:	0.01 to 500mm/min
crosshead travel:	1200mm
Single column	X
Stroke resolution:	0.001 mm
Force resolution:	1/50.000
Force range	4 steps
Controller	LCD Digital indicator
Transfer screw:	Ball screw / Guide bar (Japan / German)
extensometer solution:	Encoder type, Position meter, Yield point or compressive type
load method :	Servo motor (Mitsubishi), electronic control measuring
software for tensile, compression, flaking, repetition, maintenance and bending etc:	Included
ring stiffness software	optional
supply voltage:	220VAC 50, 60Hz, single phase
dimensions:	650 x 450 x 1450 mm
weight:	70 kg



Wedge grips



Three point bending jig



High elongation extensometer

### Various accessories:

- Compression platens
- Peel test grip
- Condition chambers

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