



FINE MANUFACTURING INDUSTRIES

Material Testing Solutions

TOUCH-SCREEN DIGITAL HARDNESS TESTER

TRSNT-TS

Motorised Rockwell Cum
Superficial Hardness Tester

PRECISION CONTROL / MOTORISED OPERATION

MODEL

TRSNT-TS



7-inch
COLOUR TFT

15-150
TEST LOADS (KGF)

90 kg
NET WEIGHT

MARKETED BY

FOR MORE INFORMATION PLEASE CONTACT:

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AN ISO 9001 : 2015 CERTIFIED COMPANY



Product Overview

ACCURATE. VERSATILE. EASY TO OPERATE.

Rockwell and superficial testing with touch-screen control

The Fine TRSNT-TS is a touch-screen digital motorised Rockwell cum superficial hardness tester designed for metals and alloys in hard or soft conditions. It accommodates flat, round and irregular components while combining controlled loading, sensitive measurement and straightforward operation for quality-control laboratories.



Why TRSNT-TS

01

Touch-screen control

7-inch, 800 x 480 colour TFT interface.

02

Flexible loading

Automatic motorised or selectable manual loading/unloading.

03

Data intelligence

Statistics, automatic storage and 100-result memory.

04

Built-in reporting

Integrated thermal printer and pen-drive expansion.



Performance Features

ENGINEERED FOR CONSISTENT TESTING

Core machine features

01

Automatic load selection

Unidirectional big-dial knob selects 15, 30, 45, 60, 100 and 150 kgf loads.

02

Rust-resistant components

Important components are plated to help prevent corrosion.

03

Precision linear guidance

Antifriction bearing in a hardened, ground stepped bush.

04

Small-specimen capability

Supports pins or balls down to 3 mm diameter.

Digital workflow features

01

Graphical minor-load display

02

Test count, mean, maximum and minimum

03

Major/minor dwell time: 1-30 seconds

04

Automatic storage for 100 results

05

External pen-drive storage expansion

06

Built-in thermal printer

LOADING OPTIONS

Automatic motorised loading/unloading or manual loading/unloading can be selected to suit the test workflow.



MODEL TRSNT-TS

Machine data at a glance

PARAMETER	SPECIFICATION
Test loads	15, 30, 45, 60, 100, 150 kgf
Initial loads	3 kgf superficial / 10 kgf Rockwell
Maximum test height	210 mm
Depth of throat	130 mm
Base size (approx.)	640 x 200 mm
Machine height	885 mm
Net weight (approx.)	90 kg

Applicable test standards

IS 1586

BS 10109-2

ASTM E18

ISO 6508-2

TESTING RANGE

Suitable for hardness testing of metals and alloys in hard or soft conditions, including flat, round and irregular components.



Standard Accessories

COMPLETE STANDARD SUPPLY

Ready for routine hardness testing

The TRSNT-TS is supplied with the essential indenters, anvils, reference blocks and operating accessories listed below.

ACCESSORY	QUANTITY
Rockwell diamond indenter	1 No.
Superficial diamond indenter	1 No.
Testing table, dia. 50 mm	1 No.
Testing table, dia. 40 mm, with V-groove for round jobs dia. 6-45 mm	1 No.
Steel ball indenter, dia. 1/16 inch	1 No.
Test block HRC	1 No.
Test block HRB	1 No.
Rockwell superficial test block 30N	1 No.
Steel ball, dia. 1/16 inch	5 Nos.
Allen spanners	3 Nos.
Clamping device	1 No.
Telescopic sleeves for elevation screw	1 Set
Instruction manual	1 Book

FINE TRSNT-TS | ROCKWELL CUM SUPERFICIAL HARDNESS TESTER