



FINE MANUFACTURING INDUSTRIES

Material Testing Solutions

TOUCH-SCREEN DIGITAL HARDNESS TESTER

TRSN-TS

Motorised Rockwell
Hardness Tester

PRECISION CONTROL / MOTORISED OPERATION

MODEL

TRSN-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.

Modern touch-screen Rockwell hardness testing

The Fine TRSN-TS is a touch-screen digital motorised Rockwell 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 TRSN-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 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.



Standard Accessories

COMPLETE STANDARD SUPPLY

Ready for routine hardness testing

The TRSN-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 TRSN-TS | TOUCH-SCREEN DIGITAL MOTORISED ROCKWELL HARDNESS TESTER