



# VERTEX

## ROCKWELL & SUPERFICIAL HARDNESS TESTER (TWIN MODEL) MODEL: DNRS-150NT

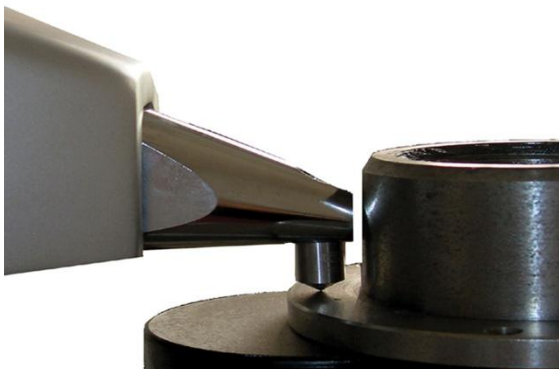
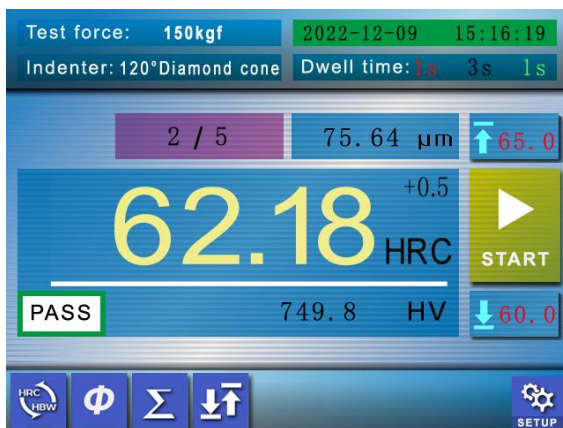


### FEATURES:

- Manual handle wheel pre-load. Automatic main-load and testing cycle.
- Extended dolphin nose allows vertical test height of 300mm and throat depth of 220mm.
- The test force are applied via a closed-loop control unit with a load cell, a DC motor and an electronic measurement and control unit replace traditional dead weights. The result is highly accurate measurements at all test loads up to 0.5%.
- Simple plug - and - play tech allows for much more quick and easy installation than traditional weights type machine.
- Integrated casting body with more wide basement leads to permanent stability.
- RS232 and USB port to PC.

## BASIC FUNCTION:

- Twin tester--Regular Rockwell & Rockwell Superficial hardness for metal and plastic material.
- Horizontal dolphin nose Indenter is suitable also for internal and external testing.
- Testing on Surfaces difficult to reach. Testing internal surface of rings and tubes.
- Provided with many features such as high measuring precision, wide measuring range with 30 Rockwell scales.
- The tester is suitable for testing of carbon steel, alloy steel, cast iron, non ferrous metal.
- Automatic testing cycle: Lifting of part, pre-loading, loading, dwell, unloading, results will be finished automatically.
- Measuring results digitally displaying and can be printed, or transmitted to external computer automatically by USB port.
- Test HR value can be converted to the value of HB, HV, HK and ob value.
- The tester meets all the following standard such as ISO 6508-2, ASTM E18.



## SPECIFICATION:

Parameters	
Preload	29.4N (3kgf) , 98.1N (10kgf)
Total test force	147.1N(15kgf), 294.3N(30kgf), 441.3N(45kgf) 588.4N (60kgf), 980.7N (100kgf), 1471N (150kgf)
Scales	HR15N, HR30N, HR45N, HR15T, HR30T, HR45T, HR15W, HR30W, HR45W, HR15X,HR30X, HR45X, HR15Y, HR30Y, HR45Y  HRA, HRB, HRC, HRD, HRE, HRF, HRG, HRH, HRK, HRL, HRM, HRP, HRR, HRS, HRV
Resolution	0.01HR
Load dwell duration	2~50s, can be set and stored
Panel	Touch screen
Auxiliary function 1	Upper/lower limits setting & alarming
Auxiliary function 2	Data statistics: Avg., Max., Min., S, R
Auxiliary function 3	Curved surface auto correction
Auxiliary function 4	Scale conversion, HV,HBW,HK, $\sigma_b$ etc.
Test Height	300mm (vertical)
Depth of Throat	220mm (horizontal)
Dimensions	690mm×280mm×860mm
Power supply	AC, 220V/110V, 50~60Hz, 4A
Net weight	86 kg
Gross weight	120kg

<b>Standard configuration</b>		
1	Host machine	1
2	Standard hardness block for A scale	1
3	Standard hardness block for B scale	1
4	Standard hardness block for C scale	3
5	Standard hardness block for 15N scale	1
6	Standard hardness block for 15T scale	1
7	Standard hardness block for 30N scale	1
8	Standard hardness block for 30T scale	1
9	120° cone diamond indenter	1
10	Ball indenter (1/16")	1
11	Mounting screws for indenter	2
12	Flat anvil	1
13	"V" shape anvil	1
14	Power supply wire	1
15	Screwdriver for indenter mounting	1
16	Dust cover	1



<https://www.vertexmachines.com/>



+91 93234 05785



info@vertexmachines.com

Actual product may differ in color and appearance due to constant development.