

Digital Motorised Rockwell Cum Superficial Cum Brinell Hardness Tester

Rockwell Cum Superficial Cum Brinell Hardness Testing Machine is manufactured under strict quality control at all manufacturing stages. This model is suitable for testing hardness of metals and alloys of all kinds, hard or soft, whether flat or round etc. or of irregular shape. This model is having superior design to that of existing conventional Rockwell Hardness Testers & easy to operate still quite sensitive & accurate.

FEATURES :

- Machine is having different Taper front look and superior aesthetic look over conventional Rockwell Hardness Tester.
- Unidirectional Big Dial type auto load selection knob for load selection of loads 15,30,45,60,100,150,187.5 & 250 kgf.
- Most of the important parts are plated to avoid rusting.
- An antifriction linear bearing is fixed in Hardened & ground stepped bush which will provide perfect vertical movement of diamond holder. Thus the testing of small pin or ball upto 3mm dia is possible.
- All models conform to -
IS : 1586, BS 10109-2, ASTM-E-18 & ISO : 6508-2 for Rockwell & Superficial Test.
IS : 2281, BS 10003-2, ASTM - E-10 & ISO : 6506-2 for Brinell Test.

SALIENT FEATURES :

- LCD Graphical Display with 128 x 64 pixels & Results are displayed in BIG Font size
- Minor load is graphically displayed on LCD screen (Minor load auto brake system)
- Provision of Numbers. of tests, mean, standard deviation, maximum, minimum range, individual test hardness numbers in PC Software.
- Dwell Time setting for MAJOR Load 1 to 99 sec & MINOR load dwell time is 1-30 sec.
- 75 Results are stored in the system with automatic result data storage.
- User can enable auto save results storage in system or disable it.
- User can select appreciate scale according to weight selected.
- Motorized Automatic Loading or Manual Loading is selectable.
- Conversion of results from Rockwell to Brinell (HB) , Vickers (HV), Knoop (HK), Tensile Strength (KSI),
- Serial Port for Dot Matrix Printer or EPSON LX 300 +.
- Print result consists of Serial No. Hardness Value and Hardness Scale

Standard Accessories :

Model	TRSN-CD
1. Rockwell Diamond Indenter	1 No.
2. Superficial Diamond Indenter	1 No.
3. Testing Table Ø 50mm	1 No.
4. Testing Table Ø 40 mm with 'V' Groove for round Jobs Ø 6 to 45 mm	1 No.
5. Steel Ball Indenter Ø 1/16"	1 No.
6. Steel Ball Indenter Ø 2.5 mm	1 No.
7. Steel Ball Indenter Ø 5 MM	1 No.
8. Test Block HRC	1 No.
9. Test Block HRB	1 No.
10. Test Block HB 2.5 mm/187.5 Kgf	1 No.
11. Test Block Rockwell Superficial 30N	1 No.
12. Steel Ball Ø 1/16"	5 Nos.
13. Allen Spanners	3 Nos.
14. Clamping Device	1 No.
15. Brinell Microscope	1 No.
16. Telescopic Sleeves for elevation screw	1 Set
17. Instruction manual	1 Book



Model : TRSN-CD

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Technical Specifications :

Model	TRSN-CD
1. Test Loads (Kgf)	15,30,45,60,100,150,187.5,250
2. Initial Loads (Kgf)	3 kgf. for superficial test 10 kgf. for Rockwell & Brinell Test
3. Max. Test Height (mm)	220
4. Depth of Throat (mm)	130
5. Size of Base (mm) (Approx.)	600 x 200
6. Machine Height (mm)	850
7. Net Weight (Approx.) kg.	90 Kg.

FMI Reserves the rights of change in the above specification due to constant improvements in design.



Manufactured By : **Fine Manufacturing Industries**

B-7/12, M.I.D.C. Area, MIRAJ - 416410. (Maharashtra), India.

Phone : +91 233 6453690 to 695, Fax : +91 233 2644913

e-mail : response@finemanufacturing.com Web Sit : www.finemanufacturing.com

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FEATURES :

- Machine is having different Taper front look and superior aesthetic look over conventional Rockwell Hardness Tester.
- Unidirectional Big Dial type auto load selection knob for load selection of loads 60,100 &150 kgf.
- Most of the important parts are plated to avoid rusting.
- An antifriction linear bearing is fixed in Hardened & ground stepped bush which will provide perfect vertical movement of diamond holder. Thus the testing of small pin or ball upto 3mm dia is possible.
- All models conform to -
IS : 1586, BS 10109-2, ASTM-E-18 & ISO : 6508-2 for Rockwell Test.

SALIENT FEATURES :

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- 75 Results are stored in the system with automatic result data storage.
- User can enable auto save results storage in system or disable it.
- User can select appreciate scale according to weight selected.
- Motorized Automatic Loading or Manual Loading is selectable.
- Conversion of results from Rockwell to Brinell (HB) , Vickers (HV), Knoop (HK), Tensile Strength (KSI),
- Serial Port for Dot Matrix Printer or EPSON LX 300 +.
- Print result consists of Serial No. Hardness Value and Hardness Scale



Model : TRSN-D

Standard Accessories :

Model	TRSN-D
1. Rockwell Diamond Indenter	1 No.
2. Testing Table Ø 50mm	1 No.
3. Testing Table Ø 40 mm with 'V' Groove for round Jobs Ø 6 to 45 mm	1 No.
4. Steel Ball Indenter Ø 1/16"	1 No.
5. Test Block HRC	1 No.
6. Test Block HRB	1 No.
7. Steel Ball Ø 1/16"	5 Nos.
8. Allen Spanners	3 Nos.
9. Clamping Device	1 No.
10. Telescopic Sleeves for elevation screw	1 Set
11. Instruction manual	1 Book

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Technical Specifications :

Model	TRSN-D
1. Test Loads (Kgf)	60,100,150
2. Initial Load (Kgf)	10 kgf.
3. Max. Test Height (mm)	220
4. Depth of Throat (mm)	130
5. Size of Base (mm) (Approx.)	600 x 200
6. Machine Height (mm)	850
7. Net Weight (Approx.) kg.	90 Kg.

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- Most of the important parts are plated to avoid rusting.
- An antifriction linear bearing is fixed in Hardened & ground stepped bush which will provide perfect vertical movement of diamond holder. Thus the testing of small pin or ball upto 3mm dia is possible.
- All models conform to -
IS : 1586, BS 10109-2, ASTM-E-18 & ISO : 6508-2 for Rockwell & Superficial Test.

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Model : TRSN-TD

Standard Accessories :

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1. Rockwell Diamond Indenter	1 No.
2. Superficial Diamond Indenter	1 No.
3. Testing Table Ø 50mm	1 No.
4. Testing Table Ø 40 mm with 'V' Groove for round Jobs Ø 6 to 45 mm	1 No.
5. Steel Ball Indenter Ø 1/16"	1 No.
6. Test Block HRC	1 No.
7. Test Block HRB	1 No.
8. Test Block Rockwell Superficial 30N	1 No.
9. Steel Ball Ø 1/16"	5 Nos.
10. Allen Spanners	3 Nos.
11. Clamping Device	1 No.
12. Telescopic Sleeves for elevation screw	1 Set
13. Instruction manual	1 Book

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Technical Specifications :

Model	TRSN-TD
1. Test Loads (Kgf)	15,30,45,60,100,150
2. Initial Loads (Kgf)	3 kgf. for superficial test 10 kgf. for Rockwell
3. Max. Test Height (mm)	220
4. Depth of Throat (mm)	130
5. Size of Base (mm) (Approx.)	600 x 200
6. Machine Height (mm)	850
7. Net Weight (Approx.) kg.	90 Kg.

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- 75 Results are stored in the system with automatic result data storage.
- User can enable auto save results storage in system or disable it.
- User can select appropriate scale according to weight selected.
- Motorized Automatic Loading or Manual Loading is selectable.
- Conversion of results from Rockwell to Brinell (HB) , Vickers (HV), Knoop (HK), Tensile Strength (KSI),
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- Print result consists of Serial No. Hardness Value and Hardness Scale



Model : TRSN-BD

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Standard Accessories :

Model	TRSN-BD
1. Rockwell Diamond Indenter	1 No.
2. Testing Table Ø 50mm	1 No.
3. Testing Table Ø 40 mm with 'V' Groove for round Jobs Ø 6 to 45 mm	1 No.
4. Steel Ball Indenter Ø 1/16"	1 No.
5. Steel Ball Indenter Ø 2.5 mm	1 No.
6. Steel Ball Indenter Ø 5 MM	1 No.
7. Test Block HRC	1 No.
8. Test Block HRB	1 No.
9. Test Block HB 2.5 mm/187.5 Kgf	1 No.
10. Steel Ball Ø 1/16"	5 Nos.
11. Allen Spanners	3 Nos.
12. Clamping Device	1 No.
13. Brinell Microscope	1 No.
14. Telescopic Sleeves for elevation screw	1 Set
15. Instruction manual	1 Book

Technical Specifications :

Model	TRSN-BD
1. Test Loads (Kgf)	60,100,150,187.5,250
2. Initial Load (Kgf)	10 kgf.
3. Max. Test Height (mm)	220
4. Depth of Throat (mm)	130
5. Size of Base (mm) (Approx.)	600 x 200
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