

SPECIAL DEEP THROAT BRINELL HARDNESS TESTING MACHINE WITH FIXED TABLE

Model : WOM Type



FEATURES :

- The semi automatic Brinell hardness tester is an inline production machine highly suitable for batch testing of heavy jobs.
- These machines has a C -Type load frame with a deep throat & vertical clearance.
- These machines are more suitable for testing hardness of heavy jobs in the form of wheels, discs, rolls, plates, cylinder blocks, odd shaped huge castings & forgings, etc.
- The indentation measurement is with Brinell microscope. It is therefore very easy & reliable.
- These machines are provided with a large size table to support heavy & big jobs.



TECHNICAL SPECIFICATIONS :

MODEL	WOM-3000-I	WOM-3000-II (AI)
Machine frame	C - Type	C - Type
Test load for Brinell test	750 kgf / 3000 kgf	750 kgf / 3000 kgf
Dia. of ball indenters	5 mm / 10 mm	5 mm / 10 mm
Accuracy of test load	± 1% as per IS:2281-2005	± 1% as per IS:2281-2005
Depth of throat	400 mm	400 mm
Test height without extension	900 mm	600 mm
Test height with extension	600 mm	300 mm
Ram stroke	300 mm	300 mm
Ram travel speed (Aprox. on no load)		
Upward speed -	930 mm/min	900 mm/min
Downward speed -	440 mm/min	450 mm/min
Size of table	1200 mm wide x 600 mm depth. The table will be eccentric type for width 800 mm left side & 400 mm on right side	1200 mm wide x 600 mm depth. The table will be eccentric type for width 800 mm left side & 400 mm on right side
Load capacity of Table	1500 kg	1200 kg
Measuring device magnification	25 X	25 X
Least count of measuring device	0.01 mm	0.01 mm
Maximum working pressure	70 bar	70 bar
Oil tank capacity of Hydraulic Power pack (For Oil Grade of Servo System 68 or Avalon 68)	75 liters (to be arranged by customer)	75 liters (to be arranged by customer)
Power supply	3 Phase, 440 V, 50 Hz, A.C	3 Phase, 440 V, 50 Hz, A.C
Drive motor	1 HP	1 HP
Net Weight (Machine + Power pack)	1400 kg (aprox)	1200 kg (aprox)
Overall dimensions of		
Machine (L x W x H) -	1600 x 800 x 1765 mm (aprox)	1600 x 1000 x 1490 mm (aprox)
Power pack (L x W x H) -	580 x 760 x 740 mm (aprox)	700 x 465 x 750 mm (aprox)

STANDARD ACCESSORIES :

MODEL	WOM-3000-I	WOM-3000-II (AI)
Piston extension of 300 mm	1 No.	1 No.
Ball holder with Tungsten carbide ball dia. 5 mm	1 No.	1 No.
Ball holder with Tungsten carbide ball dia. 10 mm	1 No.	1 No.
Test Block HBW - 5 / 750	1 No.	1 No.
Test Block HBW - 10 / 3000	1 No.	1 No.
Brinell microscope of 25 X magnification for manual measurement	1 No.	1 No.
Spanners Set	1 Set	1 Set
Instruction Manual	1 Book	1 Book

OPTIONAL ACCESSORIES :

Test Blocks of desired hardness range
Special Test fixtures for odd jobs / production testing
Computerised Brinell Impression measurement system (BIMS System)

We can also supply – Universal testing machine, Tensile testing machine, Spring testing machine, Horizontal rope & chain testing machine, Hardness testers (Brinell, Rockwell, Vickers), Digital Rockwell hardness testers, Dynamic balancing machine, Impact testing machines, Digital Torsion testing machine, Digital Fatigue testing machine, Dynamic hardness tester, Portable hardness tester, Compression testing machine & Special purpose Material testing machines, etc...



Manufactured by –

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