

Special purpose Deep Throat Brinell Hardness Testing Machines,

Model : DT-3000-series

These special purpose **Deep Throat Brinell Hardness Testing Machines** are designed with hydraulic Power pack and control circuit for effortless testing of heavy duty jobs. The machines are suitable for production testing. These machines are designed to measure Brinell hardness of castings, forgings, other metals & alloys of all kinds, hard or soft, whether flat, round or irregular shape.

This machine conforms to IS : 2281/2005, ISO : 6506 Part II & BS : 240, ASTM E-10.



DT-3000 with Fix Table

Features :

- It is customized machine & special features can be added depending upon the customer requirement.
- Specially designed Power pack with precision control circuit for loading application
- Load selection is through Direction control valve (No dead weight system)
- Highly precision cylinder piston assembly to get better accuracy.
- Test height, Depth of Throat, piston stroke & table size can be modified depending upon customer's job height & width.
- Heavy duty jobs can be tested without efforts.
- Operation of the machine is automatic / manual mode.
- All electrical controls are mounted on the front for ease of operator. The same controls can be provided on remote control.
- Inbuilt optical system, computerized model or Brinell Indentation Measuring system can be provided depending upon the customer's requirement.
- Dwell time setting facility



DT-3000-ST

(Hydraulically operated Sliding Table
in X- X direction)



DT-3000-STM

(Manually operated sliding table in X-X
Direction & Y-Y direction)

Technical Parameters :

Description	DT-3000	DT-3000-ST	DT-3000-STM
Test load for Brinell Test	750 kg, 1000 & 3000 kg		
Dia of ball indenter Standard	5 & 10 mm T C Ball		
Accuracy of test load	± 1%		
Maximum test height	**600 mm		
Minimum test height	10 mm		
Depth of Throat	**300 mm		
Piston Stroke	** 300 mm & total test height is covered by providing additional extension to piston.		
Size of table	** Fix Table of size Length 1000 mm Width 800 mm	**Hydraulically operated Table of 1000 mm piston stroke approx. in x-x direction Length 1000 mm Width 800 mm	** Manually operated sliding table in X-X Direction of travel 1000 mm & Y-Y direction of travel 200 mm approx. Table size 1100 x 600 mm
Load Capacity of table	2500 kg.		
Standard accessories			
Dia 10 & 5 mm TC Ball Indenter – 1 No. each			
Brinell Microscope 25X magnification – 1 NO.			
Wooden tool Box – 1 No.			
Allen key set – 1 No.			
Master Test Block 5/750 & 10/3000 – 1 No. each			
Note : ** These marked dimensions can be changed depending upon the customers requirement.			

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