

Brinmax-3000



Over **60** years of
consistent excellence



Moving Head Computerized Brinell Hardness Testing Machine



Direct Digital Reading



Motorized & load cell based loading & unloading



High accuracy & repeatability
of measurement at all loads.



FIE Hardness Testers, Model : Brinmax-3000 are precision engineered confirming to IS:1500-2, however Model : Brinmax-3000 are most suitable for production testing.

These machines are designed to measure hardness of castings, forgings, other metals and alloys of all kinds, hard or soft, whether flat, round or irregular in shape.

Machine designed with a servo motor & drive mechanism and control circuit for effortless loading/unloading operation.

This facilities production testing within tolerance limits by compression method.

Construction :

Brinmax-3000 machine is fully automatic machine with optional powered X and Y axis. The Z-axis powered by servo motor. There is fabricated base and casting frame for easy fitment of jobs. Drive mechanism is driven by ball screws & LM guide ways. Machine is equipped with T slotted table.

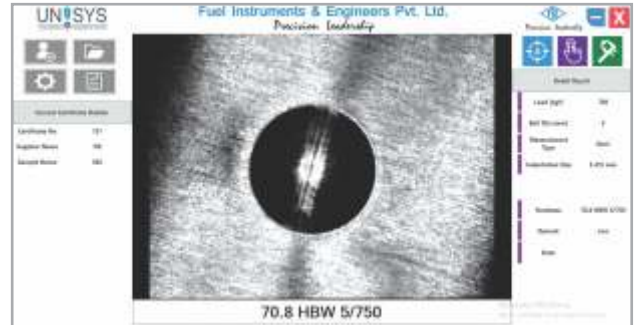
Job to be checked is placed on fabricated table and brought in contact with indenter. Load/Unload/Read operations are done automatically. The machine consists of a Brinell test head for applying the test forces of up to 30000N (3000kgf).

Analysis system offers fully automatic Brinell measurements in scales from 250 kgf to 3000 kgf for 5mm and 10 mm dia indentation. The image is digitalized using Digital camera fitted on the optical device.

The diameters of the indentation are directly measured by software to give Brinell hardness number.

Technical Data :

MODEL		Brinmax-3000
Loads	kgf	250 to 3000 in stages of 250
Initial Load	kgf	NIL
Max. test height	mm	500 (optional : 1000 or customize)
Depth of throat	mm	400
T slotted table size (L x W)	mm	700 X 500
Machine height (approx.)	mm	1400
Net weight (approx.)	kg.	1000
Drive Motor	kW	1.0
Mains Supply	V/ph	230 V, single phase
Optical Device		Direct reading through combination of optical & Digital device with 14X Magnification.



Standard Accessories :

MODEL	Brinmax-3000
Ball holder 5mm	1 No.
Ball holder 10mm	1 No.
Test Block HBW-5/750	1 No.
Test Block HBW-10/3000	1 No.
Allen Spanner	1 Set
Electric Cords	1 Set
USB device for Video	1 No.
Instruction Manual	1 USB

- Due to continuous improvement of the product, FIE reserves all rights to change the above specifications without any prior notice.
- PC & Printer is not in our standard scope of supply.



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