



The first name in materials testing

FH 9-26

Brinell Hardness Testing Machine



The model FH 9-26 series, Brinell Hardness testing machines is a new generation that uses a unique, load cell based, closed loop system and integrates a precision optical system with high quality objectives and a digital display.

Model FH 9-26

The model FH 9-26 is a quality Brinell testing system in a robust, rigid frame. It integrates a precision optical system with high quality objectives and a digital display and offers conversion to other hardness scales and online statistics, as well as USB, LAN, W-LAN, RS232 data output. The system controls are managed via a simple-to-use 6.5" full color industrial touch screen, which will also display results and statistics.

Features and benefits

- Load cell, closed loop, force control
- Load range 62.5-3000kgf (613N-29kN)
- Meets or exceeds ISO, ASTM and JIS standards
- 6.5" full-color industrial touch screen
- Simultaneous conversion to Rockwell, Vickers and Leeb rebound testing
- Brinell digital scanner (CCD camera) for automatic indent measurement
- Horizon high performance PC-based camera indent measuring system. Automatic measurement of the indent on the industrial touch screen. Archive file, handle images and data on the tester or your network

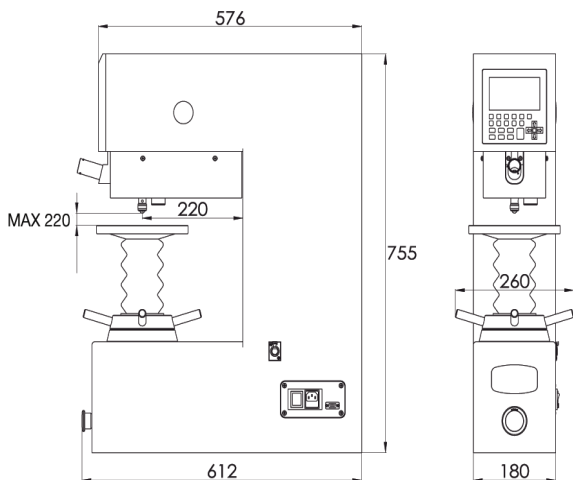


MODEL DETAILS

FH-009-0026 62.5-3000kgf Brinell with scanner

STANDARD ACCESSORIES

- 5MP Scanner 1.5-6mm FoV
- RS232, USB, and/or RJ45 connections for data output
- Four adjustable feet
- Power cable
- Certificate of calibration
- Installation and user manual
- Keyboard & Mouse



Solid tester tables with storage cabinets available





Specifications

FH 9-26 Specifications	
Item #	FH-009-0026
Hardness scales	Brinell
Load application	Load cell, force feedback, closed loop system
Load range	62.5-3000kgf
Optical system	Brinell digital scanner
Indenters (optional)	2.5, 5, 10mm
Brinell test range	62.5, 80, 100, 120, 125, 187.5, 250, 500, 750, 1000, 1500, 3000kgf
Test cycles	Automatic, loading/dwell/unloading
Standards	complies to or exceeds ISO, ASTM, JIS (Nadcap)
Test for accuracy	<0.5% full range
Display resolution	0.1HB
Hardness conversion	Rockwell, Vickers, Brinell, Leeb and Tensile 2 scales simultaneously
Statistics	Total test, max, min, average, range, standard deviation, all in real time after each test
Memory	Large memory for testing results
Connectivity	USB, RJ45 ethernet, LAN, W-LAN, RS232
Dwell time setting	Default 10 seconds, user defined
Workpiece accommodation	Vertical capacity 220mm Horizontal capacity 220mm (from indenter center-line)
Machine dimensions	180 x 612 x 755mm (WxDxH)
Weight	130kg (287lb)
Operating temperature range	10-35°C (50-95°F) non-condensing
Power consumption	390W
Power supply	100-240V AC, 50Hz/60Hz, single phase
Humidity	10-90%, non-condensing

***Calibration of scales is required prior to use. Please specify desired scales at the time of ordering**

Indent measurement specifications			
Standard 5MP Brinell scanner	FoV 1.5-6mm	On screen magnification - 10x	Measurement resolution - 158pixels/mm
Optional 5MP Brinell scanner	FoV 0.5-1.6mm	On screen magnification - 40x	Measurement resolution - 1066pixels/mm

OPTIONAL ACCESSORIES

Stage/anvil	
FH-050-0266	60mm flat anvil
FH-050-0117	Testing table flat 80mm
FH-050-0041	Pedestal spot anvil 5mm
FH-050-0037	10mm spot anvil
FH-050-0126	Spot anvil 10mm
FH-050-0040	V-Anvil Ø40mm for 6-60mm
FH-050-0326	V-Anvil Ø63mm for 10-100mm
FH-050-0025	V-Anvil Ø80mm for 3.3-20mm
FH-050-0026	V-Anvil Ø80mm for 15-80mm
FH-050-0027	V-Anvil Ø80mm for 23-40mm
FH-050-0324	Cylindrical V-Anvil 6-80mm
FH-050-0325	Cylindrical V-Anvil 50-200mm
FH-050-0029	Test table 100x100mm, V-Grove 20mm wide, 10mm deep
FH-050-0028	Flat test table Ø 200mm screwfix
FH-050-0031	Testing table flat 235mm, screwfix
FH-050-0079	Large flat surface testing table 350x250mm, thickness 30mm with 2 T-Slots, for large components **
FH-050-0030	Large flat surface testing table 450x350mm, thickness 35mm with 2 T-Slots, for large components **
FH-050-0024	Large flat surface testing table 600x300mm, thickness 25mm, with 2 T-Slots, for large light components **
**	requires FH-050-0196 mounting hardware
FH-050-0196	Mounting hardware fit T-Slot table

Vice	
FH-052-0329	Spring loaded clamping system

Scanners	
FH-009-0031	Brinell digital scanner I; indenter size 1.5-6mm
FH-009-0030	Brinell digital scanner II; indenter size 0.5-1.66mm

Indenters	
FH-200-1020	Brinell Indenter 2.5mm. Incl: 1 carbide ball. ISO 6506/2 & ASTM-E10 A3 (17mm)
FH-200-1021	Brinell Indenter 5mm. Incl: 1 carbide ball ISO 6506/2 & ASTM-E10 A3 (17mm)
FH-200-1022	Brinell Indenter 10mm. Incl: 1 carbide ball ISO 6506/2 & ASTM-E10 A3 (17mm)
FH-200-1028	2.5mm carbide ball Spare acc. to ISO 6506/2 & ASTM-E10 A3
FH-200-1029	5.0mm carbide ball Spare acc. to ISO 6506/2 & ASTM-E10 A3
FH-200-1030	10.0mm carbide ball Spare acc. to ISO 6506/2 & ASTM-E10 A3

Connectivity	
FH-500-0011	FH-series connection w/ external Horizon (add. requirements per FH-model)

Cabinet/Table	
FH-095-1008	Cabinet/table for bench machines 710 x 750 x 800 mm (grey/black top)
FH-095-1009	Cabinet/table for bench machines 1500 x 750 x 800 mm (grey/black top)

Calibration options	
FH-051-0000	Direct calibration; ISO 17025-A2LA compliant/per scale (factory)
FH-051-0002	Additional scales calibration
FH-051-0006	BRINELL direct and indirect verification/calibration & certification in compliance with ISO & ASTM, NADCAP. Includes direct force and indirect verification report (block readings), GR & R report

Tinius Olsen



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