

DM-8 A



X-Y table 100 x 100 mm 0.01 mm division is included for easy location of test surface or Zig-Zag tests. OPTIONS: 2 Digital micrometers



Motorised X-Y table connected with CNC computer for automatic tests

Technical characteristics

		DM-8 A and B											
Auto-turret		2 Indenters + 4 Objectives											
Max. height of specimen		120 mm											
Max. depth of specimen		160 mm											
Reading		Digital - Touch panel											
DM-8A	mN	49.03	98.07	245.2	490.3	980.7	1961	2942	4903	9807			
	(gf)	5	10	25	50	100	200	300	500	1000			
DM-8B	mN	9.807	29.42	49.03	98.07	245.2	490.3	980.7	1961	2942	4903	9807	19614
	(gf)	1	3	5	10	25	50	100	200	300	500	1000	2000
Measuring microscope	Max. measuring length	250 µm											
	Min. graduation	0.01 µm											
	Min. measuring unit	0.01 µm											
Loading mechanism	Automatic loading and releasing method												
Load applying speed	50 µm/sec												
Dwell time	5-60 sec												
LCD type touch panel	Yes												
256 data memory	Yes												
Hardness conversion	Possible in compliance with ASTM (E-140), JIS												
OK/NG criteria	Yes												
Data editing	Yes												
Data output	RS232C												
Accuracy	According to ASTM E-384, ISO 6507-2 and JIS B 7734												
Photographic equipment	Possible to retrofit (camera sleeve: optional)												
Dimensions	Main body only: W220xD400xH500												
Weight	28 kg												
Power supply	Single phase AC100-240V 50/60Hz available												

Applicable accessories

Standard	DM-8 A and B
- Manual X-Y stage (Built in)	1
- Precision vice	1
- Standard test block (HMV700)	1
- Diamond indenter for HV (Built in)	1
- Measuring microscope (with x10 Eyepiece)	1
- Object lens (Built in) x10	1
- Object lens (Built in) x40	1
- Level adjusting leg	4
- Light source bulb (12V 18W)	2
- Fuse 100-240V 2A	2
- Fuse 200-240V 2A	2
- Power cord (3P-2.5m)	1
- Auxiliary tools	1 set
- Instruction manual	1
- Accessories box	1
- Printer	-
Optional	
- Knoop indenter	
- Knoop test block	
- Printer	
- Motorised X-Y table connected with CNC computer for automatic tests (optional)	

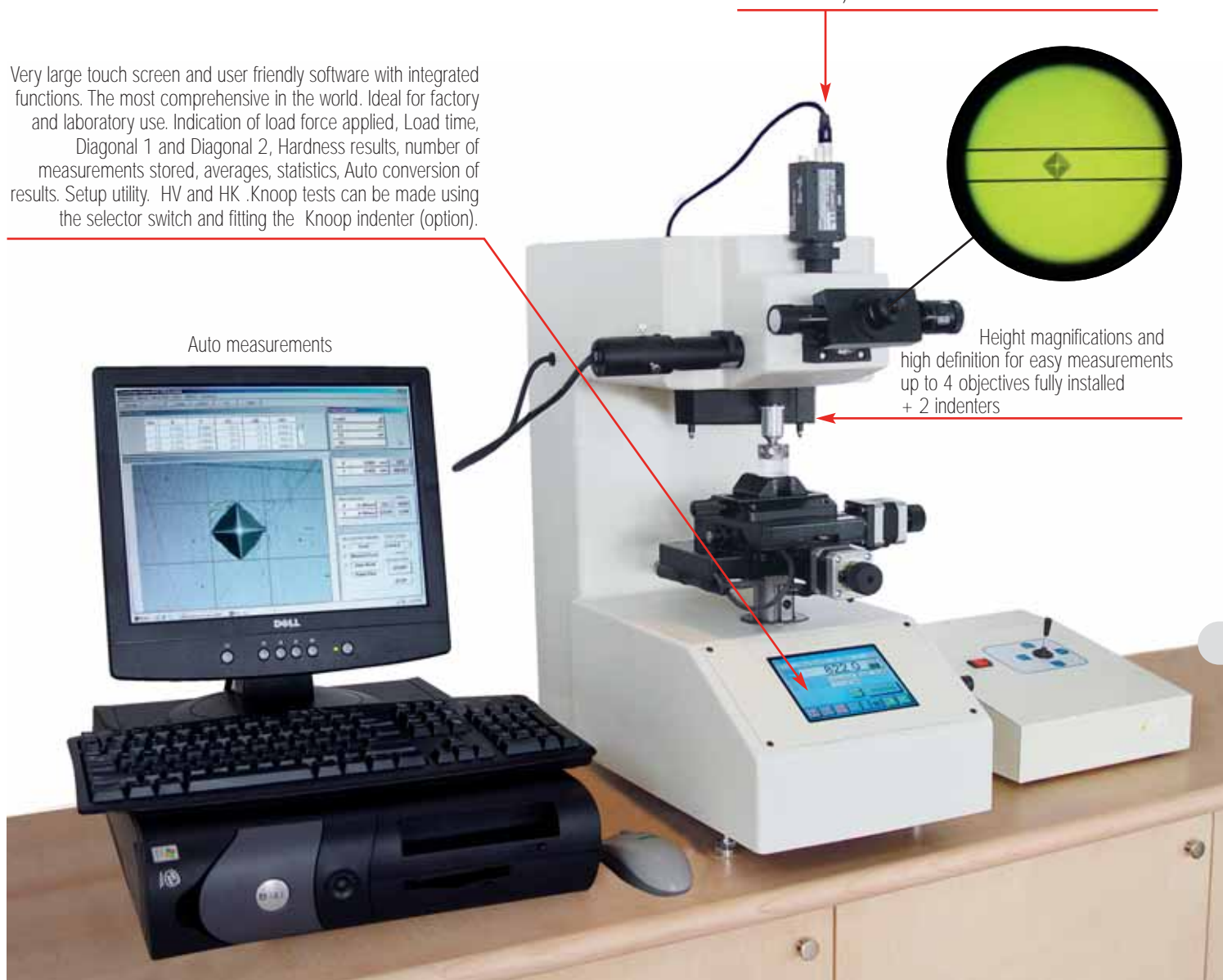
TAURUS 5

Easy to use software and camera Auto measure Vickers+ Manual Vickers
SOFTWARE FOR QUICK MEASUREMENTS FM20A04 PROCEDURE LEVEL 1
SOFTWARE FOR AUTOMEASURE, FM20A10 PROCEDURE LEVEL 1
SOFTWARE FOR AUTOMATIC X-Y TABLE, QUICK MEASUREMENTS, LEVEL II
FULLY AUTOMATIC SYSTEM

- **Digital micro hardness tester**
- **Auto turret 6 steps (2 indenters + 4 objectives)**
- **Touch screen**
- **100x - 400x magnification**
- **Auto measurements (DM-8 Auto)**
- **Load range 1gf to 2000gf (DM-8B)**

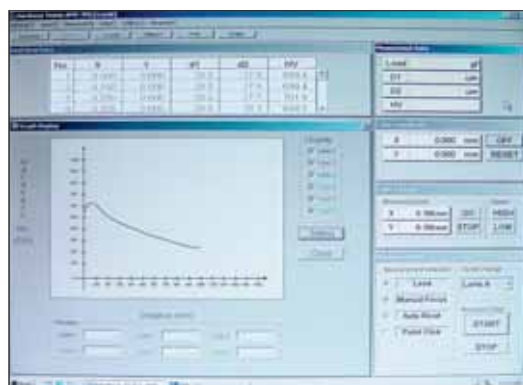
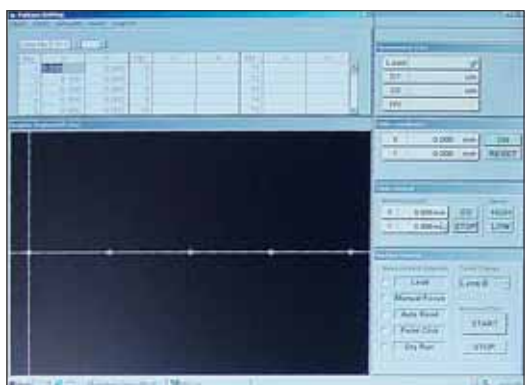
CCD camera transmits the image to the computer and AFFRI EASYDUR® Software for fast and automatic Vickers measurements eliminating human error, storing data, performing statistics and printing out results (only for DM-8 Auto).

Very large touch screen and user friendly software with integrated functions. The most comprehensive in the world. Ideal for factory and laboratory use. Indication of load force applied, Load time, Diagonal 1 and Diagonal 2, Hardness results, number of measurements stored, averages, statistics, Auto conversion of results. Setup utility. HV and HK .Knoop tests can be made using the selector switch and fitting the Knoop indenter (option).



Auto measurements

Height magnifications and high definition for easy measurements up to 4 objectives fully installed + 2 indenters



Software for auto X-Y table for case depth measurements