

Celestis Bullseye - CCD Camera System for Brinell Measurement Analysis

ATTRIBUTES

Automatic indentation analysis with a single click

(manual/automatic measurement)

Hardness conversion to Vickers and Rockwell scales

Digital analysis eliminates user uncertainty and errors

Time of measurement reduces

Hardness value correction of Brinell hardness values

measured on non-flattened surfaces

Threshold measurement: the system monitors and registers a preset values and sends a signal in case of exceeding

Statistical analysis with various methods

Ring-lighted LED CCD camera with 20x and 30x magnification

Auto image-saving feature via USB camera

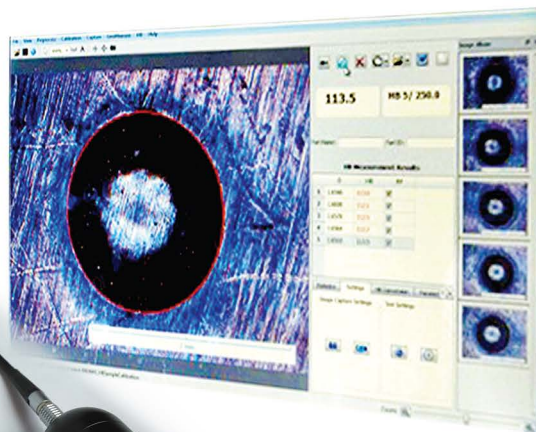
Displaying diagrams

Easy and simple Measurement Report making with indentation snapshots

Tablet with a Windows 8 OS



CCD camera system for Brinell hardness and indentation analysis. Have your Brinell hardness tests conducted and analysed with variable statistical functions offered by the Bullseye measurement analysis software. The digital analysis significantly reduces the uncertainty of measuring procedure and helps you to achieve quick and precise results as well.



Test Results

Submitter	Date Submitted														
Part Name	Part #														
# of Samples	Sample Descr.														
Qual. UL	660	Qual. LL	480												
Machine ID	Meas. Standard	05/T201.1-2002													
Sample Cyl./Sph. Diam. (mm)	Force (g)	1000													
Test Results															
#	Depth	T	D1	D2	Hard.	Correc.	#	Depth	T	D1	D2	Hard.	Correc.		
	µm	µm	µm	µm	HV			µm	µm	µm	µm	HV			
1	100.0	98.33	98.97	991.3											
2	100.0	97.10	97.97	561.2											
3	100.0	99.11	99.07	527.6											
Case Hardness					660	Case Depth (µm)					200.3				
Indent Images															
1.				2.				3.							
Hard. Curve															
Statistics															
Maximum				691.3				Minimum				527.6			
Average				660.0				Std. Dev.				18.02			
Cp				2.22				Cpk				2.00			
Operator				Test Date				Auditor				Audit date			
				2015.12.20											