NH Instruments
Testing and Metallography Solutions

NH INSTRUMENTS
No. 2072, 3rd cross Pipeline road, Santhosh Nagar,
T. Dasarahalli, Bangalore 560057, Karnataka.
Email:nhinstruments24@gmail.com
Mobile:8660651375 , 8660942368

Model
AI B3000 PC **Computerized Brinell hardness tester** **PC Provided By customer** **Test Load 5/250 to 10/3000** **250,500, 750, 1000, 1500,2000,3000** **5 Years Warranty for Control Panel and Software** **Standard warranty 1 Year for machine all components**    

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Model
AI B3000 PC FA **Computerized Fully Automatic Brinell hardness tester** **Automatic Loading , Measuring and unloading** **PC Provided By customer** **Test Load 5/250 to 10/3000** **250,500, 750, 1000, 1500,2000,3000**

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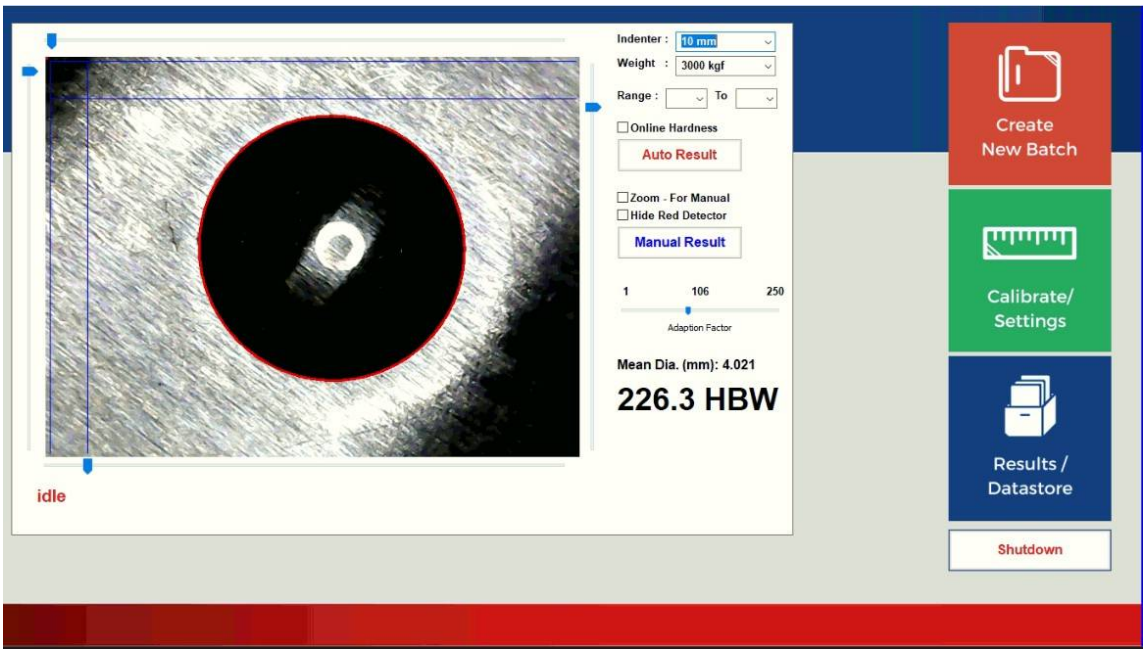
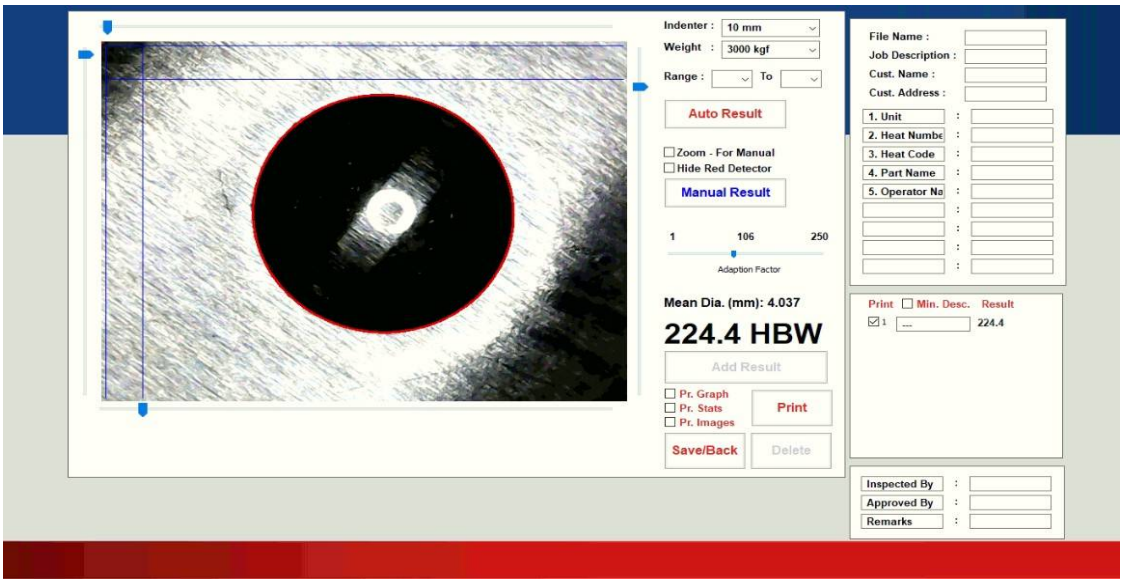
Software update of Customization: Customization software available based on customer requirement with additional cost

1.Industrial 4 capable
2.Customer test parameter auto program based in sample types
3.Password for Individual testing Operators
4. Customization Report format or excel format
5.Mulitysystem Access software to read or download the test data / report
6. Special testing date or test method can be developed





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Software Specifications

2. Microscope / Spotware Specs - * **3 to 6 mm Field of View**
    a. Resolution - 0.005 mm in Manual Mode
    b. Resolution - 0.001 mm in Auto Mode
3. Upto 300 indentations can be saved in one file
4. Indentation images with scale can be printed on the report for cross verifications
5. Statistics and different graphical tools for result visualization
6. Image zoom function for more accurate
7. Report Customisations as per customer requirement
8. Export to .xls , .csv as per customer requirement

Machine Specifications / Standard Accessories

1. Test Load - 250 to 3000 kgf
2. Max Test Height - 380 mm
3. Throat Depth - 200 mm
4. Intenters - 5 mm and 10 mm
5. Testing Table - 200 mm dia
6. Ball Holder - 5 mm and 10 mm
7. Test Block - 5/750 and 10/3000

Below are two report formats

Format 1

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BRINELL HARDNESS TEST

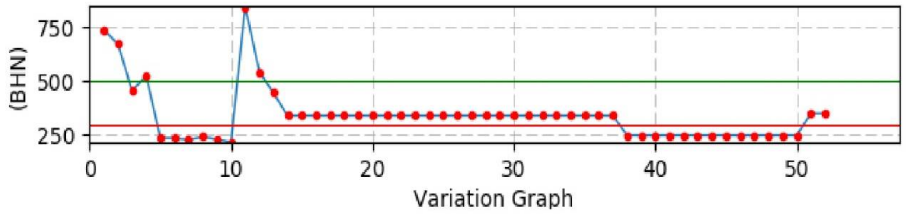
Date	19/11/2021	Batch Code	V1 VAlue	Shift	V4 VAlue	Soluzioning Code	V7 Value
Ball Dia/Load	10/1000	Part Name	V2 VAlue	Furnace Name	V5 VAlue	Aging Code	V8 VAlue
Max/Min Limit	500.0 to 300.0 BHN	Part Number	V3 VAlue	HT Cycle	V6 VAlue	Extra Key	V9 VAlue

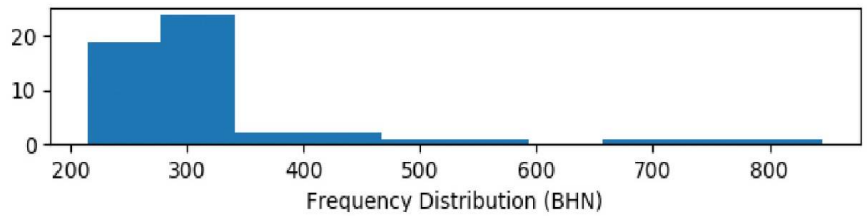
Batch Results :

Uld	BHN	Status	Uld	BHN	Status	Uld	BHN	Status	Uld	BHN	Status	Uld	BHN	Status
1	739.342		11	845.768	Not Ok	21	338.695	Ok	31	338.695	Ok	41	247.58	Not Ok
2	672.128		12	542.968	Not Ok	22	338.695	Ok	32	338.695	Ok	42	247.58	Not Ok
3	453.348		13	444.774	Not Ok	23	338.695	Ok	33	338.695	Ok	43	247.58	Not Ok
4	524.486		14	338.695	Ok	24	338.695	Ok	34	338.695	Ok	44	247.58	Not Ok
5	235.082		15	338.695	Ok	25	338.695	Ok	35	338.695	Ok	45	247.58	Not Ok
6	235.082	Not Ok	16	338.695	Ok	26	338.695	Ok	36	338.695	Ok	46	247.58	Not Ok
7	226.57	Not Ok	17	338.695	Ok	27	338.695	Ok	37	338.695	Ok	47	247.58	Not Ok
8	240.644	Not Ok	18	338.695	Ok	28	338.695	Ok	38	247.58	Not Ok	48	247.58	Not Ok
9	228.655	Not Ok	19	338.695	Ok	29	338.695	Ok	39	247.58	Not Ok	49	247.58	Not Ok
10	214.632	Not Ok	20	338.695	Ok	30	338.695	Ok	40	247.58	Not Ok	50	247.58	Not Ok

Statistical Values :

Minimum Reading	Maximum Reading	Arithmatic Mean	Median	Standard Deviation
214.632	845.768	339.371	15552.033	124.708





Results :

Insp. Qty	52	Acp. Qty	0	Rej. Qty	52	Status	

Inspected By :	**Approved By :**
Remarks :	

Below are two report formats

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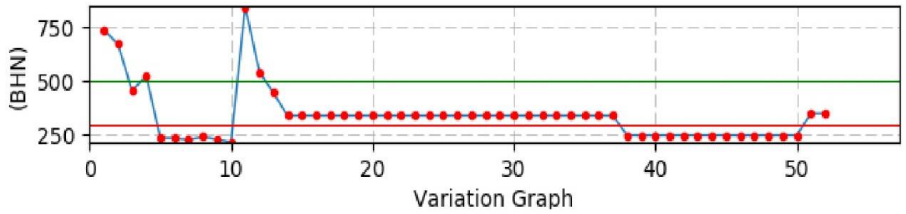

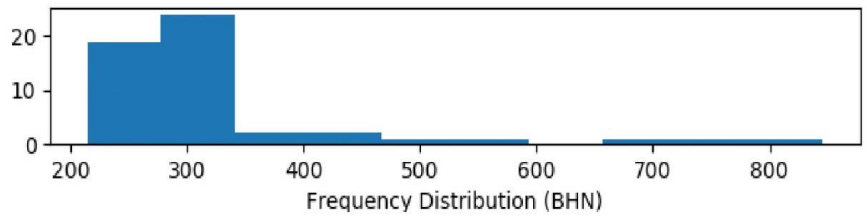

Results :

Insp. Qty	52	Acp. Qty	0	Rej. Qty	52	Status	

Inspected By :	**Approved By :**
Remarks :	

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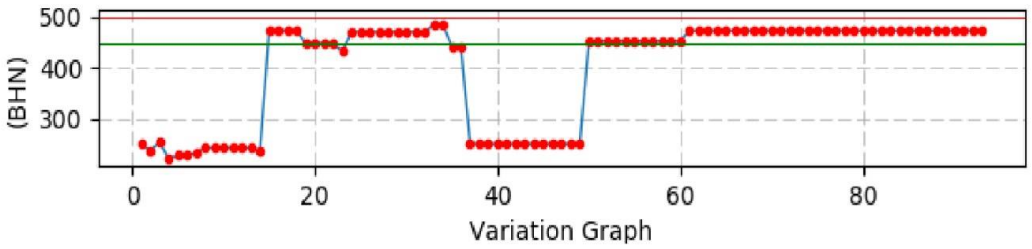
TEST CERTIFICATE

File Name : d1d2-1 | Scale : 5.0/750.0 | Date : 05/05/2020 | Range : 450.0 BHN to 500.0 BHN



Test Statistics

Result Min. : 222.514
Result Max. : 484.503
Result Avg. : 402.435
Result Var. : 10160.2
Result S.D. : 100.798

Dia(mm) Min. : 1.39
Dia(mm) Max. : 2.027
Dia(mm) Avg. : 1.567
Dia(mm) Var. : 160695.519
Dia(mm) S.D. : 100.798

Name 1	Name 2	Name 3
1. Tested By	**2. Witnessed By**	**3. Approved By**

Make : **Machine Sr.No :** **Model -**