



# **RADISO ENGINEERING & MARKETING**

## **DELIVERING QUALITY**

Our Company offering a wide range of QA & QC, Lab Equipments, Metallurgical Lab Equipments, Dimensional Equipments, Air Gauging and Multi Gauging Consumable Items, Calibration and AMC's etc....

- QA & QC Lab Equipments
- Metallurgical Lab Equipments
- Dimensional Equipments
- Air Gauging and Multi Gauging
- Consumable Items
- Calibration and AMC's

## **RADISO ENGINEERING AND MARKETING**

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# HARDNESS TESTERS



Dial Type Rockwell Hardness Tester



Digital Rockwell Hardness Tester



Rockwell Cum Brinell Hardness Tester

These model are suitable for testing hardness of metals and alloys of all kinds hard, Soft, whether flat or round etc. or of irregular and easy to operate, still yet quite sensitive and accurate.



Brinell Hardness Tester



Computerized Brinell Hardness Tester



Vickers Hardness Tester

This is suitable for foundry, forging shops, heat treatments shops, engineering institutions etc. in this machine the indenter swivels and projects diameter of ball impression.

Vickers Hardness testers are suitable for steel and others metals. These machine are designed and manufactured for very High accuracy reliability and ease of operation.



It can be used to determine the vickers hardness of steel, non-ferrous metals, ceramics, treated layers of metal surface and the hardness grads of carburized, nitrided and hardness layers of metals. It is also suitable to determine the vickers hardness of micro and super thin parts.



# MICROSCOPES



## INVERTED METALLURGICAL MICROSCOPES



REM-Classic



REM-Platinum



REM-Ultra

It is used for identification and analysis of the structures of different metals and alloys. It is the important instrument for researching Metallography in metal physics. The photography Port is available in this instrument. The instrument can be used for learning for molding, smelting, heat treatment, examination and analysis, suitable for scientific research in colleges and factories.



Basic Upright Metallurgical Microscope



Upright Metallurgical Microscope



Biological Microscope

Upright Metallurgical microscope are suitable to observe surface of opaque object or transparent object. They are equipped with excellent UIS optical and modularization function design, that provides excellent optical quality and operation performance.



Stereo Zoom Microscope



LCD Microscope



Illuminated Magnifiers

Stereo Zoom Microscope which can zoom magnify the micro-object and get an erect image. Suitable for educational experiment, Medical Research, Agriculture, Observation, Public Security & Scientific Research and also widely used for assembling and repairing in electronic industry and other related field.

# SAMPLE PREPARATION EQUIPMENTS



We manufacture all types of sample preparation equipments such as Cutting machine, Polishing machine, Grinding machine and Hot Mounting Press and the different types of sample preparation equipments.



Abrasive Cutting Machine REM-ACO-50



Abrasive Cutting Machine REM-ACO-150



Industrial Oven



Endless Belt Grinder



Spectro Sample Polisher



Hot Molding Machine



Single Disc Polishing Machine



Double Disc Polishing Machine

Model	Dia. Disc	Rotating Speed	Motor
REM-PM-1	Ø 200m	900rpm	DC
REM-PM-1V	Ø 200m	150-1150rpm	DC
REM-PM-2	Ø 200m	900rpm	DC
REM-PM-2V	Ø 200m	150-1150rpm	DC



# IMAGE ANALYSIS SOFTWARE



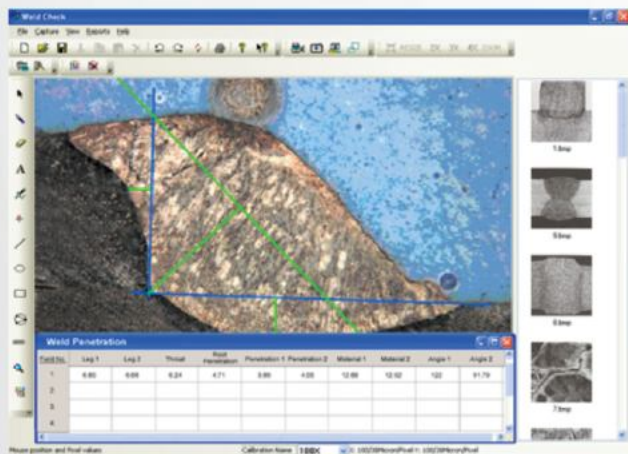
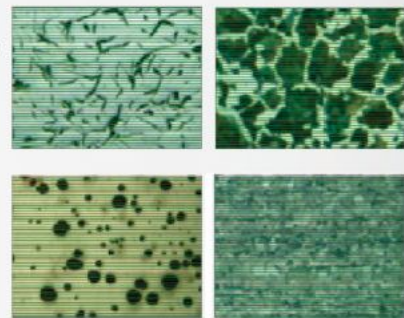
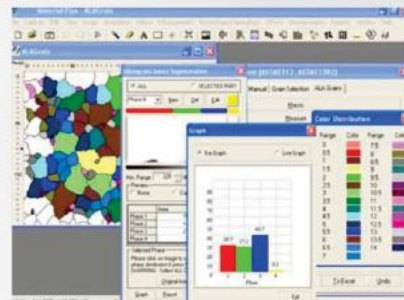
## METALLURGICAL IMAGE ANALYSIS SOFTWARE

This software can be used in Steel plants, Metal forging industry, Oil & gas industry, Material Science, Manufacturing and where ever Metallurgical microscope are used in laboratories. For any Metallurgist it is very useful software.

Metallurgical Image Analysis Software

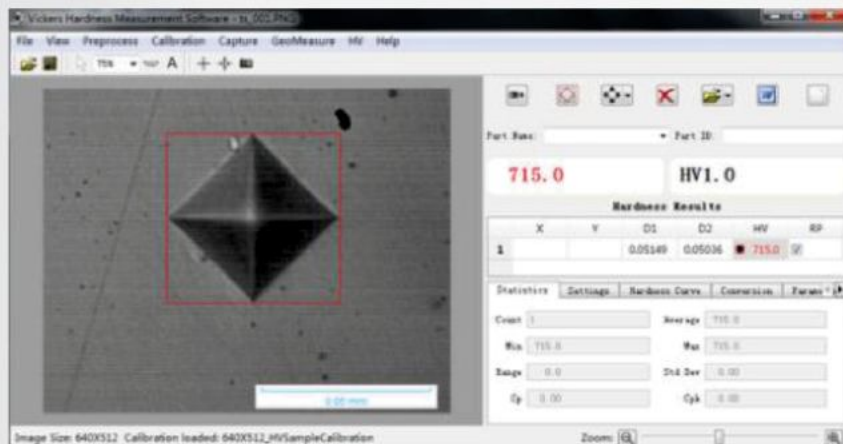
Microstructure Characterizer Software offers following modules:

1. Grain Size Measurement and Distribution Plots (Automatic and Manual modes)
  2. Volume Fraction (Automatic and Manual modes)
  3. Inclusion Rating (Automatic and Manual modes)
  4. Graphite Morphology (Automatic and Manual modes)
  5. Nodularity Assessment
  6. Particle Size Measurement and generating histogram of size distribution
  7. Linear and Angular Dimensioning.
  8. Percent of "Delta Ferrite" phase present in the microstructure for colour metallography.
  9. Acquire images manually from one or more files.
  10. Increasing image detail using the filtering and enhancement tools.
  11. Create reports in 'Rich Text Format' or 'Custom Made' as per users' choice.
  12. Easy to operate - One Touch Calibration for different image resolutions.
- It installs easily. Using combination of different tools of MIAS, you can characterize different types of materials' images by measuring different aspects of the microstructure.



## Weld Penetration Software

Software is powerful and easy to use tool that enhances your availability to quickly and efficiently handle the most critical welding measurement and documents needs.



## Image Analysis Software for Hardness

The software can be applied in areas like metallography, precision machines, electro plating, material testing and material science. In order to determine micro hardness of different shaped indents.

# MATERIAL TESTING EQUIPMENTS



Universal Testing Machine



Impact Testing Machine



Torsion Testing Machine



Fatigue Testing Machine



Salt Spray Chamber



Jominy End Quench Apparatus



Muffle Furnace



Incubator



# PORTABLE EQUIPMENTS



Vibration Meter



Coating Thickness gauge



Ultrasonic Thickness gauge



Moisture Meter



Humidity Meter



Lux Meter



Portable Infrared Thermometer



Sound Level Meter



Shore Hardness Tester



Portable Hardness Tester



Surface Roughness Tester



Ultrasonic Flaw Detector

**Our range of Portable Measuring Instruments that we have manufacture and exports are :**

- Vibration Meter
- Coating Thickness Gauge
- Ultrasonic Thickness Gauge
- Sound Level Meter
- Lux Meter
- Leeb Hardness
- Moisture Meter
- Grain Moisture
- Humidity Meter
- Shore Hardness Tester
- Tachometer
- Stroboscope
- Engine Tachometer
- Temperature Meter
- Dew Point Meter
- Digital Anemometer
- Infrared Thermometer
- Ultrasonic Flow Detector
- Surface Profile Gauge
- Surface Roughness Tester

# PROFILE PROJECTORS



## TECHNICAL SPECIFICATIONS

Model	Exakta Pro. 300 DI	Icon DPS Prime
Screen Dia miter	300mm/with Cross Line	300mm/with Cross Line
Angle	Digital Encoder with L.C. 22 Sec of Arc	Digital Encoder with L.C. 22 Sec of Arc
Magnification (S.F.D.)	10X	10X
Optional Magnification	20, 50, 100X	20, 50, 100X
Projection	Contour (+/-) 0.05%	Contour (+/-) 0.05%
Accuracy	Surface (+/-) 0.075%	Surface (+/-) 0.75%
Last Count	1 Micron	1 Micron
Digital Measurements System	D-Ro Systme for X & Y Motions with Zoro Set INC/ABS and 3-point Radius Function	2-D Geometric PC- based software with function for point line, Circle, Distance Angle, Construction & Intersections. •DXF out pat to Auto Cad •Data output for direct Report Printing
Illumination	Costour & Surface With Low voltage. high intensity Hilogen Bulbs For sharp image formation	Contour & Surface with low voltage high intensity hilogen Bulbs Sharp Image Formation
Focussing	Motorized with manual override handwheel.	Motorized with manual override handwheel.
Calibration	Certificates provided with traceability to NPL, Delhi	Certificates provided with traceability to NPL, Delhi
Pedastral Stand	Included	Included

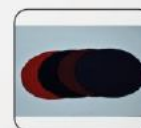
# VISION MEASURING MACHINE



## The Salient Features of these machines are:

- Highly Precise Granite Base & Column
- Compact, ergonomic design
- Very high precision, world-class X – Y cross table with ball screw transmission.
- Adjustable LED Illumination for Surface and profile light
- Setting functions easily available from the front panel
- Renishaw MCP probe for the 3D contact measurement

## CONSUMABLES PRODUCTS



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