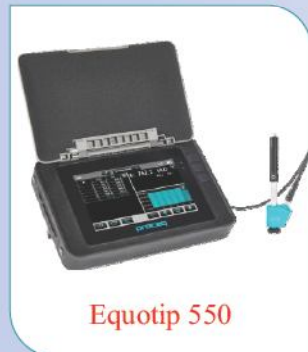


Welcome to Sashta Scientific Agencies (SSA), Established in the year 2000 is a professionally managed organisation in the field of testing equipments (Metallurgy, Microscopes, Material Testing & Metrology). We @ SSA strive to Provide Our Customer with technology-driven solutions and give the support they need to implement and ensure the production of high Quality Products.

Our Range Include



Equotip 550



Bambino / Piccolo

Proceq SA – SWISS

Authorised Sales and Service Partner in India Equotip Portable Hardness Tester.

Leeb (ASTM A 956), Rockwell (DIN 50157), UCI

Proceq - Over 60 Years of Innovation in testing solutions

Equotip 550 - versatile all in one solution for portable Hardness Testing

The new Generation Equotip with 7 Inch Large Color touchscreen unit

Wide Variety of Probes including Leeb D, DC, E, S, DL, G

Hardness Conversion to scales (HV, HB, HRC, HRB, HRA, HS, Rm)

Highly accurate +/- 4 HL (0.5% at 800HL)

Automatic Correction for impact direction,

8GB Internal flash Memory – upto 10,00,000 data – USB Drive connection, PC software

User Profiles (with Password protection), Easy report generation and data Management

Users Guide and Wizards for easy selection and use.

Costumer addition of special grades and alloys in addition to standard Material selection

Compact Light weight, IP54, Rechargeable Battery

Free upgrades of Firmware and Equolink software via Internet

Rockwell – DIN 50157

Portable Rockwell 50N – Fast and easy measurements

Thin sections – Min thickness 130 microns @ 70HRC.

UCI (Ultrasonic Contact Impedance)

For small and complex shaped parts of fine-grained metals

Compact Bambino / Piccolo

Intergrated display and impact device – D type

Extremely compact, Optional DL



Equotip 2 & Equotip 3 No Longer available

Zonotip - Ultrasonic Thickness Gauge

Measure the thickness of ferrous and non-ferrous metals, polymers, glass, ice and more. Range on steel is from 0.7 to 300 mm. Least Count 0.01mm. Using A-Scan – (only Zonotip+) for general flaw and crack detection, bond quality of layered materials, including delamination detection, thickness of layered materials



Micro Vickers Hardness Testers – G series

Load Range 10G – 2000G (Optional 1g, 2g & 5g) + 4 arbitrary

Multi Turret Option - Auto Loading, Auto Turret.

G 20 – LCD Touch screen display, 0.01Micron Measurement

G 21 – Automeasuring thru Pc and Software

Fully Automatic Model / Upgrade to Auto Stage, Auto Focus.



Universal Testing Machines

State of ART AG- X Plus Series

High precision, Constant rate strain control, Non Backlash Precision Ball screw drive

High Precision Load cell- 1/1 - 1/500 – Option 1/1000 rated Capacity

Cross Head Speed 0.005 upto 1500mm/min, Precision +/- 0.1% LC 0.0208 Microns

Automatic Load Calibration – USB Interface for PC

Optical encoder measurement, Digital display, Data capture rate 5000Hz,

Data Sampling rate 300kHz, High Rigid Frame

Trapezium – User friendly Cutting edge software

USB Memory device storage – for Measurement Method and DATA.

Wide variety of Fixture, Testing accessories



G21 Series



Microstructure and Material Defect Analysis

Axio Lab.A1, you are equipped for a broad range of applications with high sample throughput in metallography. When examining structures, you analyze the grain size and microstructure of metals or capture information about the mechanisms that has led to a material defect, such as fatigue, corrosion, stress cracks and fractures. Document your results with a broad range of 1.3 to 12 megapixel digital cameras.



Axio Vert.A1 Inverted with brightfield, darkfield, DIC, C-DIC, fluorescence and polarization contrast in reflected light. In transmitted light, use brightfield, polarization and phase contrast. Or combine several contrast methods for the maximum amount of information.

With State of Art Fire Wire Camera and Metallurgical software Modules For NMI, Grain Size, Phase %, Graphite, Coating / Layer Measure etc Particle Size Analysis for Millipore Test samples.



Stemi 305 Compact Stereo Microscope

with Integrated Illumination and Documentation
Stemi 305 compact Greenough stereo microscope
5:1 zoom for labs and industrial production.

Observe your samples as they are:
three-dimensional and crisp in contrast – no preparation required.
Integrated: LED illumination Integrated 1.2 Megapixel Wifi camera



Image Analysis Software - Metallurgy, Foundry, Particle Size, Size Measurements, Weld Penetration and More

Bowers Group UK

Digital Hardness Range
Auto Loading / Dwell / Unload
Digital Rockwell - 60, 100 & 150 Kgs Load
Superficial - 15, 30 & 45 Kgs Load
Brinell - with Load Cell Technology
With Upto 3000 Kgs Load.
Universal Hardness Testers
Rockwell / Vickers / Brinell all in 1 Machine.



Everone - Hong Kong

Vickers / MicroVickers

Auto Motorised / Case depth / Hardness Graph Plotting

Fischer Germany

Ferrite Scope

Fast, non-destructive measurement of ferrite content
Ferrite measurable in “%Fe” or Ferritenumber “FN”
ISO 8249 and AWS A4.2M requirements.

Inspex Coating Thickness Gauge

Handheld coating thickness gauge
Clear 4 digit segment LCD display
Ferrous- Magnetic induction Method for Ferrous Substrate / Non-magnetic coating on ferrous substrates
Eddy current principle for Non Ferrous Substrate / Insulating coating on non-ferrous conductible substrates



INSPEX®



Lab & Foundry - Spectro

Smallest and lightest ultra-compact
Spark emission spectrometer for Metals

Handheld XRF Spectrometry

A non-destructive elemental analysis
technique for quantification of nearly
any element from Magnesium to Uranium





King Brinell Portable

State of ART – Compact Portable Brinell Tester 80 Years of Global Leadership
The King Portable Brinell meets all international standards for Brinell testing including ASTM E-110, Calibrated to 1/2 of 1% of load Compact, Light weight, Portable, easy to use almost on any shape Very Little sample preparation

High performance Brinell Handheld Microscope

Authorised Distributors

David Ellis Co, Inc. accredited by NVLAP. (USA)

125 years of experience

Standard hardness testers Test Blocks and Indentors

A.S.T.M., ISO, and military specifications.



INSITU Metallography – Germany

Akkupol Portable Grinder / Polisher 30mm Dia SIC Grinding and Polishing Cloth

Netpol – etching Pencil for electrolytic etching TKM

Portable Microscope

Std – Mag 100X, Optional 40X to 400X, LED Illumination by Battery Power

Optional Magnetic Holder

Digital Camera – No need for Replica



Fine Testing Machines

Universal Testing Machines

Digital / Computersied / Analog Dial Type Models

10 Tons to 200 Tons

Tensile / Compression / Bending / Shear Test

Optional Electronic / Dial Extensometers



Impact Testing Machines

Digital / Analog / ASTM Models

IZOD / Charpy Testing



Hardness Testing Machines

Digital / Analog Models

Rockwell – 60, 100, 150 Kgs

Superficial – 15, 30, 45 Kgs

Vickers 1 to 50 Kgs

Vickers Cum Brinell 5 to 250 Kgs

Brinell Hardness – 62.5 Kgs / 3000 Kgs

Optical / Motorised Hydraulic / Manual / Digital / Computerised

Fatigue / Torsion / Erichson Cupping / Jominy End Quench

Special Machines / Custom Built



B 3000 PC
Computerised



OPFB 3000 D- Digital
Brinell -Optical



TKB 3000 M- Manual
Brinell Microscope



OPFB 3000- Optical
14X Screen

Poldi Hardness | Shear PIN Hardness | Webster Hardness | Brinell Microscope

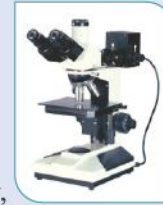
Hardness Standard Test Blocks / Indentors – UKAS / NABL Certified

Microscopes

METASCOPE Metallurgical Microscope - Upright / Inverted
Mag 50x To 2000x Bright Field / Dark Field / Polarising
LED halogen Transmitted / Reflected Illumination

Image Analysis

Digital Camera / CMOS Camera Image Analysis Software - Metallurgy, Foundry, Particle Size, Size Measurements, Weld Penetration.



Profile Projector

Horizontal & Vertical Models
2D Data Processor - 0.0005 mm

Video Measuring System

Navitar USA Zoom Tube 15x to 380X - Japan Camera
Software driven - Auto edge Detection, AutoCAD, Word Excel Interface,
LED Variable Ring Illumination

SSA Yanthra Vigyan – Master Metallurgical Sample Preparation Machine

Disc Polishing Machine

200mm Aluminium Top Disc, FRP Body, PM DC Motor with RPM control and display.



Abrasive Cutting Machine

Table Top with See Thru FRP Body
Water Proof Fluorescent Illuminator
3 HP AC Motor with 250mm Cutoff Wheel
50mm Capacity. Twin Cam Vice,
Coolant recirculating system
XL Model – for larger Vice Opening &
300mm Dia Cutting wheel

Met Lab Consumables –

PSA round Emery, Polishing Cloth, Diamond Paste, Alumina Paste, Cold Mount Resins,
Phenolic Mounting Compound, Abrasive Cutting Wheel, Alumina Oxide Disc / Belt and More.



Mounting Hydraulic Press

Auto Cycle, Water Cooling System, Manual Press Pump
CE Certified Electronic TIMER / TEMP Control
1, 1 ½, 1 ¾ Inch Mould Chamber
Long Life Al Cast Heater with Cooling water Line
Also Pneumatic / Electro Hydraulic Pressure System

Touch Screen control - Fully Auto Mounting Press

Specimen Leveller, Belt Linisher / Grinder



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