



PRODUCT PORTFOLIO 2026

Our commitment is providing Quality Products and Solutions to our valued customers.



Shareholders



Celebrating 30 Years of Excellence

In 2027, ADI Scientific (Pty) Ltd, trading as Advanced Laboratory Solutions, will proudly celebrate 30 years of successful business. Founded by Alessandro Beccaro, David Perrett, and Iain Ramsay, our journey has been defined by an unwavering commitment to quality, innovation, and customer success.

As a leading supplier of laboratory and scientific equipment, we have carefully curated a portfolio featuring the world's most respected brands. Beyond delivering premium products, we distinguish ourselves through exceptional after-sales application expertise and technical support — a tradition we have upheld for three decades.

Our Values

Service Excellence
Customer Success
Results Driven
Integrity, Trust & Respect
Teamwork
Quality & Reliability



Accreditations and Technical Capabilities

Advanced Laboratory Solutions is a SANAS-accredited laboratory (**Accreditation No. 827**), qualified to perform:

- Force: up to 600 kN (Tension/Compression)
- Speed: up to 500 mm/min
- Displacement: 50–1000 mm
- Strain: up to 50 mm
- Hardness: Indirect Method (Rockwell & Vickers)

Our facility complies with ISO/IEC 17025:2005, ensuring technical competence and robust quality management. We are also accredited by SAHPRA (**Licence No. 00004741MD**), underscoring our commitment to quality and regulatory compliance.

Metallurgical Sample Preparation

- Cutting Equipment
- Mounting Equipment
- Grinding Equipment
- Polishing Equipment
- Electrolytical Preparation
- Weld Analysis



Mineralogical Sample Preparation

- Cutting
- Mounting
- Lapping and Grinding
- Vacuum Impregnation
- Thin Sectioning
- Polishing



Hardness Testing Equipment

- Rockwell
- Vickers
- Knoop
- Brinell
- Universal Hardness





Metals Testing

- Tensile
- Strain Measurement
- Compression / Bend
- Fatigue Testing – HCF, LCF
- Fracture Toughness
- Impact



Plastics Testing

- Tensile / Compression
- Peel / Adhesion / COF
- Melt Flow / Rheology
- Impact
- HDT / Vicat
- Notching / Die Punch



Composite Testing

- Tensile
- Shear
- Compression
- Bend
- Impact
- Fatigue / Fracture

Life Sciences

- Confocal and Multiphoton Microscopes
- Super-Resolution Microscopes
- Inverted Microscopes
- Cell Screening
- Photostimulation & TIRF
- Stereo Microscopes
- Cameras



Education

- Stereo Microscopes
- Upright Microscopes
- Inverted Microscopes
- Digital Cameras
- Teaching Heads
- Virtual Classroom Microscopy



Industrial

- Stereo Zoom Microscopes
- Metallurgical Microscopes
- Polarising Microscopes
- Measuring Microscopes
- Profile Projectors
- Video Measuring Systems





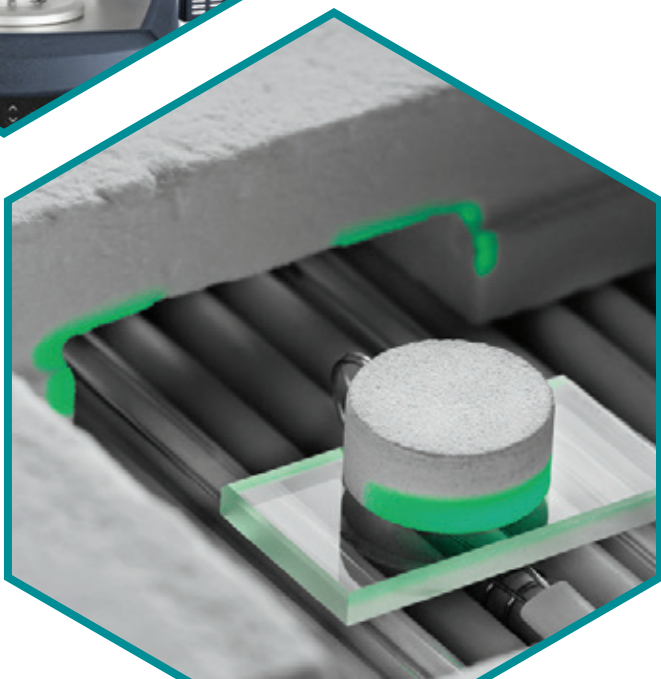
Thermal Analysis

- Thermogravimetric Analyser
- Differential Scanning Calorimetry
- Simultaneous Thermal Analyser
- Microcalorimetry
- Dynamic Mechanical Analyser
- Vapour Sorption
- Thermomechanical Analyser



Rheology

- Entry-Level Rheometers
- Research Rheometers
- Moving Die Rheometers
- Mooney Rheometers
- Rubber Process Analysers
- High Temperature Viscometers



Thermal Conductivity & Diffusivity

- Light/Laser Flash Analysers
- Thermal Conductivity Meters
- FOX Heat Flow Meters
- Horizontal Dilatometers
- Vertical Dilatometers
- Optical Dilatometers

Measurement and Analysis

- Coatings Thickness
- Precious Metal Analysers
- Surface Coatings Analysers
- Electrical Conductivity
- Ferrite Content



XRF Analysis

- Measurement of Coating Thickness and Dry Films
- Gold Content in Jewelry
- Detection of Hazardous Elements in Consumer Goods
- Alloys (Stainless Steel)
- Electroplating



Environmental Simulation

- Temperature Chambers
- Climatic Chambers
- Thermal Shock Chambers
- Stress Screening Chambers
- Vibration Test Chambers
- Walk-in Test Chambers





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