

Prepared for NanoTechnology Solutions by Intellisystems

NanoTechnology Solutions website preview

A front page that works like one of your instruments, every product page and guide carried over with all of its text, brand and city pages, an AI assistant and the dashboard behind it.

125 pages

20 instrument pages

24 guides

Free to look. Only pay if you keep it.

01 A front page that looks like a lab instrument

A live microscope viewport scans through your own SEM, EBSD, optical profiler, AFM and liquid TEM images, with the instrument and its real specs beside it. Exclusive distribution, training on your samples and the universities that chose you are on the first screen.



Instruments

Applications

About

Areas

Guides

Contact

Call (08) 6266 8324

Electron microscopy, AFM, surface metrology and nanofibres for Australia and New Zealand

See further
into your samples.

Sophisticated, contemporary instruments for physical and life sciences labs across Australia and New Zealand, installed by people who train you on your own samples.

Call (08) 6266 8324

Send an enquiry



Fibres on a fractured surface, colourised

SEM

EBSD

Optical profiler

AFM

Liquid TEM



Instrument
COXEM benchtop SEM

- 28.0 kV, high vacuum
- WD 11.5 mm, x1.0k
- Range 1 to 30 kV, variable pressure too

See this instrument

Exclusive

KLA Instruments, SEO and USI distributor in Australia and NZ

Your samples

Every training session runs on them

13 universities

and CSIRO chose our electrosp spinners

Chosen by

University of Sydney

University of Queensland

UNSW

Australian National University

University of Melbourne

Monash University

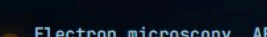
Deakin University

RMIT U

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02 Tap a technique, the viewport re-scans

Each tab swaps in a different real result and the instrument that produced it. Here: zircon laser ablation pits on a KLA Zeta optical profiler.



[Instruments](#)
[Applications](#)
[About](#)
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Instrument

KLA Zeta optical profiler

- ZDot multi-mode optics
- Step height, roughness, film thickness
- Non-contact, seconds per map

[See this instrument](#)

• Zircon laser ablation pits

SEM

EBSD

Optical profiler

AFM

Liquid TEM

Exclusive

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Your samples

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13 universities

and CSIRO chose our electrospinners

Chosen by

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University of Queensland

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Australian National University

University of Melbourne

Monash University

Deakin University

RMIT U

03 Every instrument family, one click away

Benchtop SEM, AFM, KLA profilers, sample preparation, plasma cleaners, vibration isolation, electrospinning and contact angle, each with its own designed page.

Instrument families

Instruments for the questions you are asking

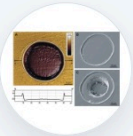
Exclusive distribution agreements with leading global manufacturers, supported locally. Not sure which technique fits? Tell us about your samples and we will help you choose.



Benchtop SEM

The COXEM EM-series benchtop SEMs: 1kV to 30kV, variable pressure and high vacuum imaging, a motorised stage as standard, and the only benchtop SEM with an EBSD option.

[Explore](#)



AFM and scanning probe microscopy

CSInstruments Nano-Observer AFMs with a flat scanning stage, low noise feedback and advanced electrical modes such as ResiScope and sMIM.

[Explore](#)



Optical and stylus profilers

Exclusive Australian and New Zealand distributor of KLA Instruments.

[Explore](#)



Sample preparation

LatticeGear cleaving and scribing, COXEM ion milling and sputter coating: the preparation steps that decide how good your SEM, TEM and EBSD results can be.

[Explore](#)



Plasma cleaners

Tergeo plasma cleaning and etching systems from PIE Scientific, designed by alumni of Lawrence Berkeley National Lab: SEM, TEM, AFM and XPS applications in one unit.

[Explore](#)



Vibration isolation

Active and pneumatic isolation platforms, optical tables, breadboards and microscopy workstations, in custom designs or standard sizes, delivered faster and cheaper.

[Explore](#)



Electrospinning

Inovenso electrospinnners at lab, pilot and industrial scale.

[Explore](#)



Contact angle and surface tension

SEO Phoenix contact angle analysers and surface tensiometers, from lab-scale R&D to industrial process development.

[Explore](#)

All 20 instrument pages

04 Your full product index, kept word for word

The product list from your current home page, laid out as a clear range map that links into each family.

The range at a glance

NanoTechnology Solutions Products include:

Every family links to its own page with specifications, applications and configuration advice.

>> Electron Microscopy

- + Benchtop SEM – Most versatile, 5 nm resolution, 30kV
- + Detectors, Stages, Accessories
- + Sample Preparation

>> Microscopy Sample Preparation

- + Plasma Cleaners – Most advanced plasma technology, SEM, TEM, AFM, XPS applications in one unit
- + Tables for ultramicrotomes

>> Electrospinnners – Most advanced lab and industrial scale systems

>> Contact Angle Measurement

>> Affordable AFM – World’s best in electrical characterisation, unique technology

>> in-situ Analysis

- + Raman Spectroscopy (TEM/SEM/FIB/AFM)
- + Mechanical testing (nano-indentation, tensile/compression in SEM, AFM or XCT)
- + Heating & cooling (TEM/SEM/FIB/AFM)

>> Cleanrooms NanoTechnology Solutions

- + Amazingly affordable and custom designed to turn any lab into a cleanroom down to Class 100

>> 3D Profilometry

- + Optical Profilers
- + Stylus Profilers
- + Leading Technology

>> Vibration Isolation – Optical Table from NanoTechnology Solutions

- + For SEM, TEM, FIB, AFM, Confocal, Multi-photon
- + Optical Tables
- + Microscopy workstations
- + Foundation integrated systems

Ultrasonic Coating Systems Australia

05 AFM, SEM or optical profiler?

An interactive chooser built from your own selection framework. Researchers answer three questions and get a recommendation and a link to the right range.

Which technique?

AFM, SEM or optical profiler: answer three questions

From our framework for choosing the right tool. Every sample is different, so we are always happy to look at yours.

Smallest feature you need to see

- ☒ Nanometres (particles, molecules)
- ☐ Micrometres and up (texture, steps)

Area you need to cover

- ☒ Tens of micrometres
- ☐ Millimetres

Can the sample be coated or put in vacuum?

- ☐ Yes
- ☒ No, keep it as it is

AFM		SEM		Optical Profiler	
Resolution	High	Resolution	Moderate	Resolution	Low
Field of View	Small (~10 µm)	Field of View	Medium (10s-100s µm)	Field of View	Large (100s-1000s µm)
Sample Prep	Minimal	Sample Prep	Extensive	Sample Prep	Minimal



Our suggestion

Atomic force microscope

Sub-nanometre vertical resolution and 3D maps without coating or vacuum, and it can measure stiffness, adhesion and electrical properties too.

[See the AFM range](#)

[Read the full framework](#)

06 What researchers see with your instruments

Real micrographs and surface maps from your pages, with links into every application area.

Applications

What researchers see with our instruments

Results from the instruments we supply. Tap an image to enlarge it.

SEM image of fibres, COXEM, 20 kV high vacuum

Ni superalloy EBSD phase map with EDS assistance

SEM 3D reconstruction

AFM image of an ablation pit

EBSD orientation map of a metal sample

Zircon laser ablation pits measured on a KLA Zeta profiler

Ferritin particles in graphene liquid cells

Geochronology

Solar cells

Microfluidics

Biomedical nanofibres

Air filtration

Fuel cell coatings

Life science

Semiconductor

All applications

07 Why researchers work with you

Exclusive distribution, training on their own samples, KLA factory-trained engineers, the AFM trade-in and electrospinning trials, then how a purchase works.

Working with us

Why researchers work with us

We go beyond the norms of business, and cherish the associations and friendships we develop on the way.

Exclusive distribution

Exclusive agreements with leading global manufacturers such as KLA Instruments, SEO and USI for Australia and New Zealand.

Training on your samples

All equipment training is conducted on researchers' samples for the best return on investment.

KLA factory-trained engineers

Guidance on the right configuration for your research needs.

Trade in your old AFM

Any brand, for an attractive discount on a new AFM.

Electrospinning trials

R&D trials and services before you commit to a system.

Anything not listed

Our global contacts help researchers secure the best deals in scientific purchases.

From research problem to first results

Tell us the research problem

Your samples, what you need to see or measure, and your timeline.

We match the tool

We work with you on challenging samples to identify the right instrument.

Installation and training

Installed and commissioned, with training on your own samples.

Ongoing support

Service and technical support across Australia and New Zealand.

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08

About the team

Your own words about the team, training and support, beside a real COXEM lab image.



About us

The microscopy applications team for Australia and New Zealand

NanoTechnology Solutions

NanoTechnology Solutions offer sophisticated, contemporary and highly efficient solutions to meet research challenges in Physical and Life Sciences laboratories across Australia and New Zealand. Our commitment towards providing exceptional ongoing customer service and making innovative instrumentation available to local researchers through our exclusive distribution agreements with leading global manufacturers enables us to offer complete solutions for Nanotechnology applications.

We specialise in providing sophisticated equipment for high-resolution and advanced microscopy. Our team of experts has extensive knowledge and conspicuous practical experience in specimen preparation and high-resolution imaging using Transmission Electron Microscopy (TEM), Scanning Electron Microscopy (SEM), Optical Microscopy (OM), Scanning Probe Microscopy (SPM) and Atomic Force Microscopy (AFM).

We provide expert training, personal attention and sound technical advice on sample preparation, imaging and high-end microscopy to help researchers achieve outstanding results in their projects. We work together with researchers on challenging samples in identifying appropriate tools to resolve their research problems. All equipment training is conducted on researchers' samples to ensure the best Return on Investment (ROI) for our customers. Nano Tech Solutions aspire to be the leading microscopy applications support team in Australia and New Zealand. We are passionate about and acknowledge advanced microscopy. In addition, we take pride in assisting scientists to answer emerging Science questions. More importantly, we go beyond the norms of business and cherish associations and friendships we develop on the way.

About NanoTechnology Solutions

Contact us

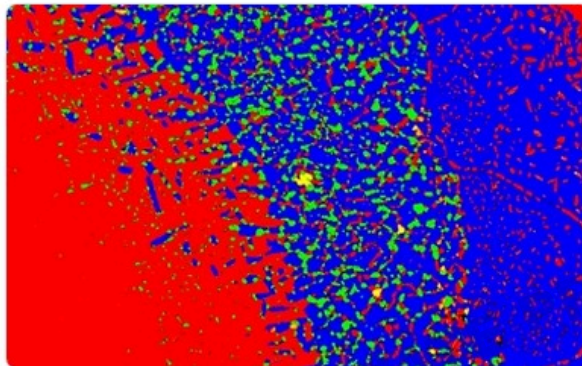
09 Your guides, front and centre

All 24 application notes and buying guides are carried over, each with a fitting image.

Guides

Application notes and buying guides

[All 24 guides](#)



The Critical Role of Argon Ion Milling in High-Resolution EBSD: Optimising the COXEM IP-10k and Bruker eWARP Workflow

2026-07-28



Critical Micelle Concentration 101: A Beginner's Guide to Mastering Surfactant Analysis

2026-04-08



Atomic Force Microscope vs. SEM vs. Optical Profiler: The Proven Framework for Choosing the Right Tool

2026-03-28

10 Australia and New Zealand coverage

32 city pages across four regions help researchers find you through Google in their own city.

Where we work

Installed and supported across Australia and New Zealand

Supplied, installed and supported across Australia and New Zealand. Find your city.

New South Wales and the ACT

Sydney Newcastle

Wollongong Canberra

Armidale Wagga Wagga

Bathurst Lismore

Victoria, Tasmania and South Australia

Melbourne Geelong

Ballarat Bendigo Hobart

Launceston Adelaide

Mawson Lakes

Queensland, Western Australia and the NT

Brisbane Gold Coast

Toowoomba Townsville

Cairns Rockhampton

Perth Darwin

New Zealand

Auckland Wellington

Christchurch Dunedin

Hamilton Palmerston North

Lincoln Nelson

Every city we cover

11 A designed page for every instrument

Every product page keeps its URL and all of its text, with a new hero, key points and enquiry buttons.

[Instruments](#)[Applications](#)[About](#)[Areas](#)[Guides](#)[Contact](#)[Call \(08\) 6266 8324](#)

[Home](#) / [Benchtop SEM](#)

Benchtop SEM: research grade electron microscopy

The COXEM EM-series benchtop SEMs: 1kV to 30kV, variable pressure and high vacuum imaging, a motorised stage as standard, and the only benchtop SEM with an EBSD option.

[Call \(08\) 6266 8324](#)[Send a message](#)[Get a quote](#)



12 What is included, at a glance

The key specifications up front, with links across to the other instrument families.

What is included

- ✓ EM-40 with a motorised Z axis, so you can switch between SEM and EDS working distance without breaking vacuum
- ✓ Accelerating voltage from 1kV to 30kV
- ✓ Variable pressure and high vacuum imaging
- ✓ Motorised stage and panorama imaging as standard
- ✓ EDS and EBSD options with Bruker detectors
- ✓ Full size CX-series SEMs when you need more

You get a clear quote before any work starts.

Other services

AFM and scanning probe microscopy

Optical and stylus profilers

Sample preparation

Plasma cleaners

Vibration isolation

Electrospinning

13 The instruments page

Every family and every specialist system in one place.

Main families

Instrument families

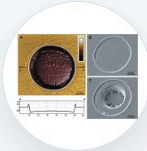
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[Explore](#)



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[Explore](#)



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[Explore](#)



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[Explore](#)



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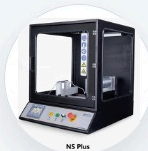
[Explore](#)



Vibration isolation

Active and pneumatic isolation platforms, optical tables, breadboards and microscopy workstations, in custom designs or standard sizes, delivered faster and cheaper.

[Explore](#)



Electrospinning

Inovenso electrospinnners at lab, pilot and industrial scale.

[Explore](#)



Contact angle and surface tension

SEO Phoenix contact angle analysers and surface tensiometers, from lab-scale R&D to industrial process development.

[Explore](#)

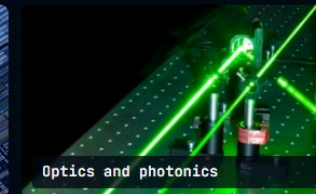
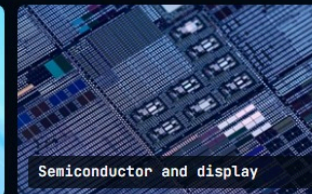
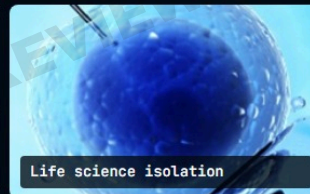
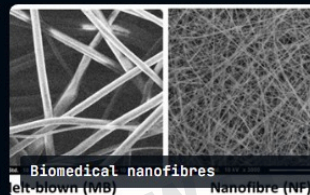
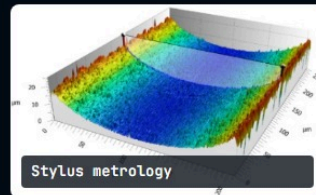
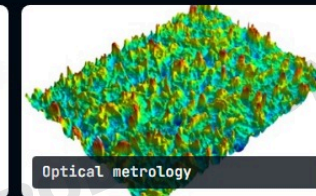
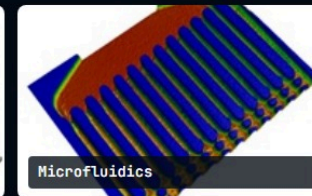
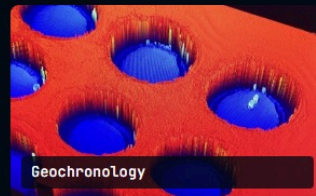
14 Applications

Geochronology, solar cells, microfluidics, filtration, biomedical nanofibres, fuel cells, semiconductors and life science.

Applications

Pick a field

Each page shows real measurements and the instrument configuration behind them.



15 A page for each brand you represent

KLA, COXEM, Inovenso, SEO, CSInstruments, Tergeo, USI, LatticeGear, DAEIL and Bruker, each with facts from your own pages.

[Instruments](#)[Applications](#)[About](#)[Areas](#)[Guides](#)[Contact](#)[Call \(08\) 6266 8324](#)

[Home](#) / [Brands](#) / KLA Instruments

KLA Instruments

Exclusive distributor in Australia and New Zealand.

[Call \(08\) 6266 8324](#)[Send an enquiry](#)

16 City pages for local search

Each city page names the universities there that already chose your instruments.

[Instruments](#)[Applications](#)[About](#)[Areas](#)[Guides](#)[Contact](#)[Call \(08\) 6266 8324](#)

[Home](#) / [Areas](#) / [Sydney](#)

Scientific instrument supplier in Sydney

Scientific instruments, installation, training and support for research labs in Sydney, where our systems have been chosen by the University of Sydney, UNSW, Macquarie University, the University of Technology Sydney and the Sydney Nanoscience Hub.

[Call \(08\) 6266 8324](#)[Send a message](#)[Get a quote](#)



17 Contact

Your address, phone, international number, email and social links, with the enquiry form below.

How we can help

NanoTechnology Solutions specialise in providing sophisticated equipment for high-resolution and advanced microscopy. We provide expert training, personal attention and sound technical advice on sample preparation and imaging with using Scanning Electron Microscopy (SEM), Scanning Probe Microscopy (SPM) and Atomic Force Microscopy (AFM). Our industry-leading profilometers deliver high-precision, 2D and 3D surface metrology. We also offer state-of-the-art tabletop plasma cleaning and etching systems and Nanofibre Production Electrospinning Equipment. Our anti-vibration systems deliver excellent vibration isolation performance and unmatched build quality at affordable prices. With our global business contacts, we can help researchers secure the best deals in scientific purchases. So please feel free to send an enquiry if your instrument of choice is not listed on our website.

We work together with researchers on challenging samples in identifying appropriate tools to resolve their research problems. All equipment training is conducted on researchers' samples to ensure the best Return on Investment (ROI) for our customers. We take pride in assisting scientists to answer emerging Science questions, while cherishing associations and friendships we develop on the way.

NanoTechnology Solutions

Office

Level 30, 91 King William St Adelaide, SA 5000 AUSTRALIA

Phone

Phone: [\(08\) 6266 8324](tel:(08)62668324)

International

International: +61 8 NANO TECH

Email

Email: info@nt-s.com.au

Stay up to date

X: <https://twitter.com/NanoTechSol/>

FB: <https://facebook.com/NanoTechSol/>

LI: <https://www.linkedin.com/company/nanotechsol/>

18 An enquiry form on every page

Researchers pick the instrument family and describe their samples. Every enquiry lands in your dashboard.

Ask about an instrument

Tell us about your samples and what you need to measure. We will come back with options.

Call (08) 6266 8324

Send a message

Phone
[\(08\) 6266 8324](tel:(08)62668324)

Email
info@nt-s.com.au

Office
[Level 30, 91 King William St, Adelaide SA 5000](#)

Hours
Enquiries by phone or email. International: +61 8 NANO TECH.

Your name

Phone

Email (optional)

City or institution

What do you need?

Benchtop SEM / electron micro ▾

Preferred date (optional)

dd/mm/yyyy 

Tell us about your samples and what you need to measure

Send enquiry

19 AI assistant, available 24/7

Answers questions about every instrument family 24/7, suggests the right technique and passes the researcher's details to your team.



[Instruments](#)[Applications](#)[About](#)[Areas](#)[Guides](#)[Contact](#)

Call (08) 6266 8324

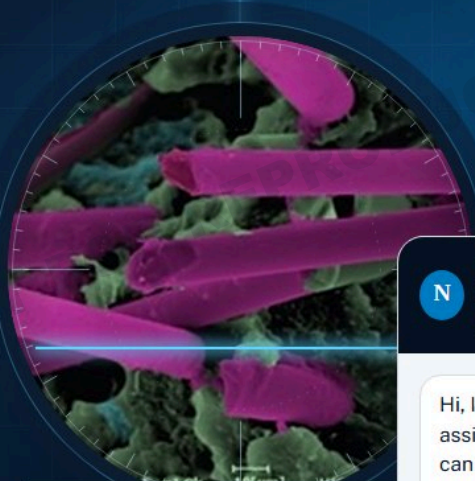
Electron microscopy, AFM, surface metrology and nanofibres for Australia and New Zealand

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Fibres on a fractured surface, colour

SEM

EBSD

Optical pro



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Every training session runs on them

13 universities

and CSIRO chose our electrosp spinners

Chosen by

University of Queensland

UNSW

Australian National University

University of Melbourne

Monash Unive

N

NanoTechnology Solutions assistant

Ask a question or get a quote

Hi, I am the NanoTechnology Solutions assistant. Tell me what you need and I can get you a quote, answer questions, or pass your details to the team. For anything urgent, contact us at (08) 6266 8324.

Which microscope do I need?

Benchtop SEM options

Trade in my old AFM

Electrospinning trials

Call now

Send a message

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20 Dashboard: enquiries

Every form and AI chat enquiry lands in one list with the instrument family, the researcher and the status. Illustrative preview data.



Dashboard

[View site](#)
[Sign out](#)

Bookings and leads

Post a job

Chats

Calendar

Traffic and conversions

Settings

2

New, need a call

1

Booked

4

Requests this month

\$0

Quoted and booked value

Search

Status

All statuses

Refresh

Export CSV

Dr Priya Raman

0412 555 018, Brisbane

Benchtop SEM / electron microscopy

29 Oct 2026

new

Surface Science Lab

08 8000 4400, Adelaide

3D surface profilers / metrology

28 Oct 2026

quoted

Tom Nguyen

0433 555 221, Melbourne

Electrospinning / nanofibre synthesis

26 Oct 2026

booked

Dr Emma Clarke

0400 555 774, Auckland

AFM / scanning probe microscopy

25 Oct 2026

new

21 Dashboard: AI chat transcripts

Read the full conversation and see which instrument the assistant suggested. Illustrative preview data.



Dashboard

View site

Sign out

Bookings and leads

Post a job

Chats

Calendar

Traffic and conversions

Settings

Every conversation with the website assistant. Leads it captures also appear in Bookings and leads.

Which microscope do I need to image nanoparticles on a non-conductive

ai

29 Oct 2026

lead captured

4 messages on /

Customer: Which microscope do I need to image nanoparticles on a non-conductive polymer?

Assistant: For nanometre detail on a non-conductive sample, a benchtop SEM with variable pressure imaging avoids coating, and an AFM measures it with no coating or vacuum at all. The COXEM EM-series runs from 1kV to 30kV with variable pressure as standard.

Customer: Can we try it on our own samples first?

Assistant: Yes. All training is done on your own samples. I have your details, and the team will contact you to arrange it.

Open lead

22 Dashboard: calendar

Demonstrations, installations and training sessions in one place. Illustrative preview data.



Dashboard

[View site](#)

Sign out

Bookings and leads

Post a job

Chats

Calendar

Traffic and conversions

Settings

October 2026

Prev

Today

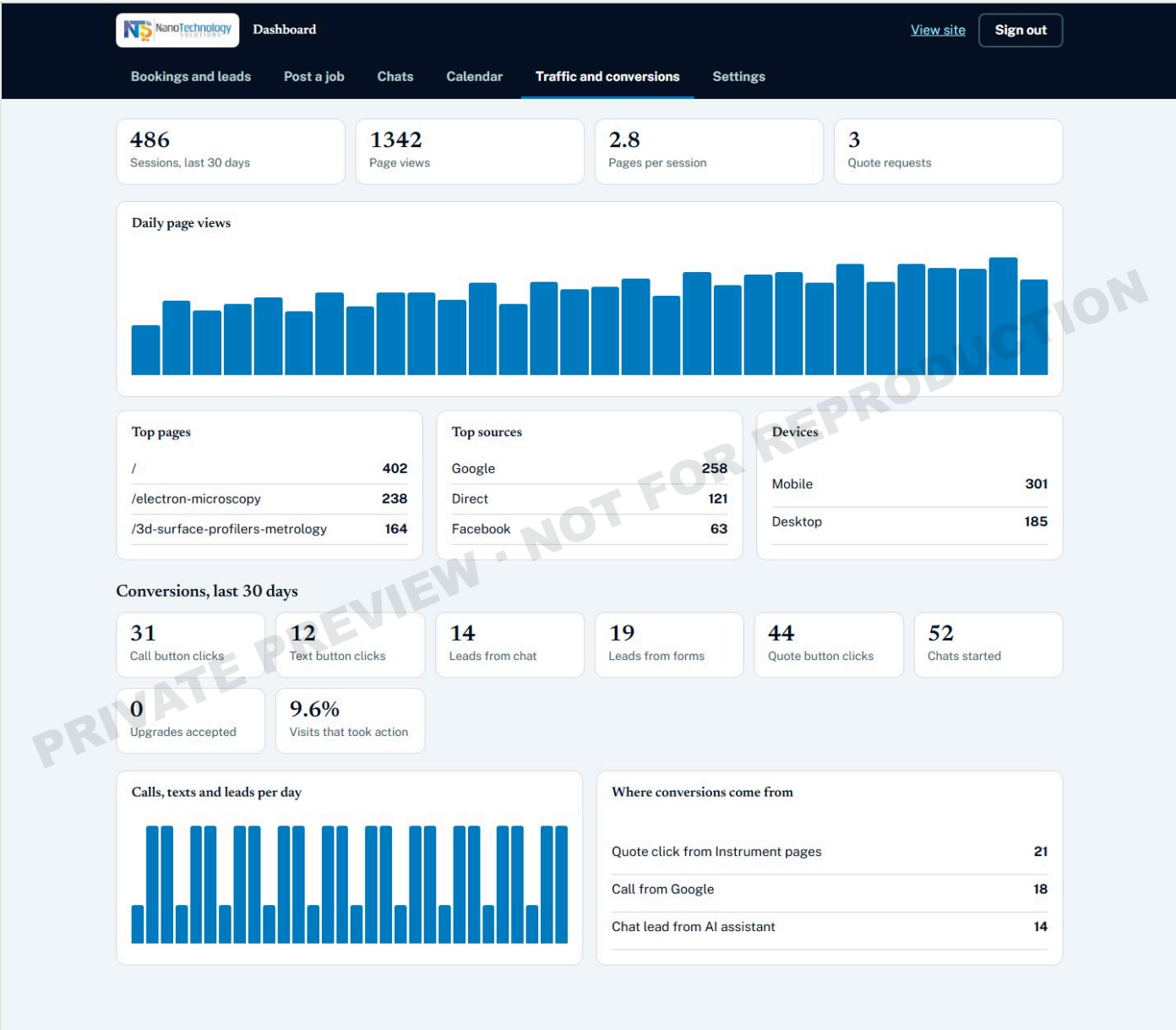
Next

Mon	Tue	Wed	Thu	Fri	Sat	Sun
28	29	30	1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30	31	1
2	3	4 10:00 Tom Nguyen	5	6	7	8

Solid chips are scheduled jobs. Dashed chips are new requests showing the customer's preferred date. Click a day to add a job or block it.

23

Visitors, top pages, where they came from and how many called or sent an enquiry. Illustrative preview data.



24 Post new installs from a phone

Snap a photo of a new installation and it goes straight onto the website, no code involved.

NanoTechnology

Dashboard

[View site](#)

Sign out

Bookings and leads

Post a job

Chats

Calendar

Traffic and conversions

Settings

Post a job to the website

Snap a photo when you finish a job. It goes straight into "Recent jobs" on the home page. No WordPress, no resizing, about 20 seconds.

Take or choose a photo

Straight from your phone camera or camera roll

Service

Choose a service

Suburb

e.g. Shell Cove

Caption

One line about the job (optional)

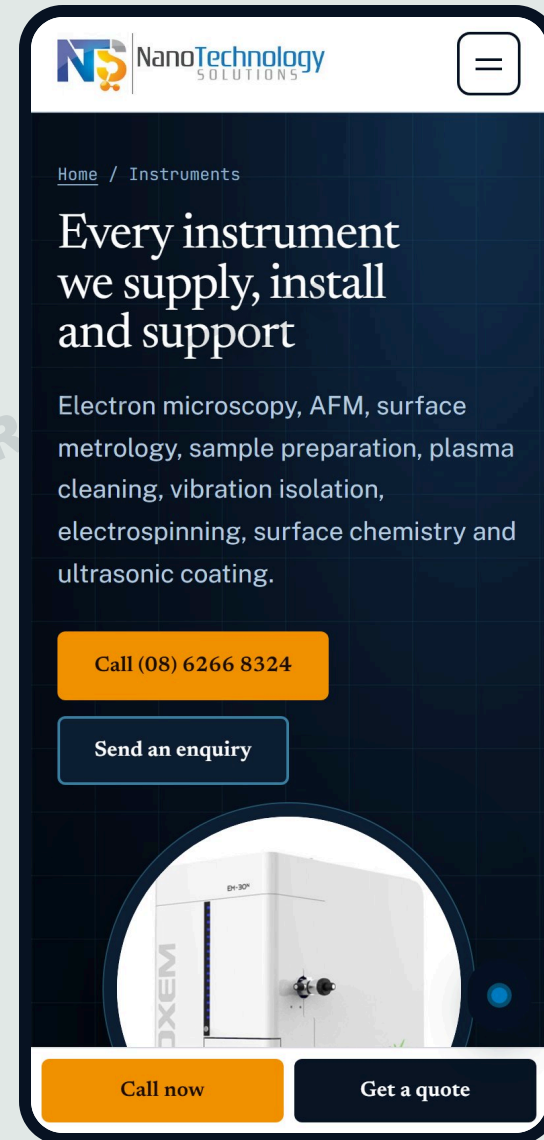
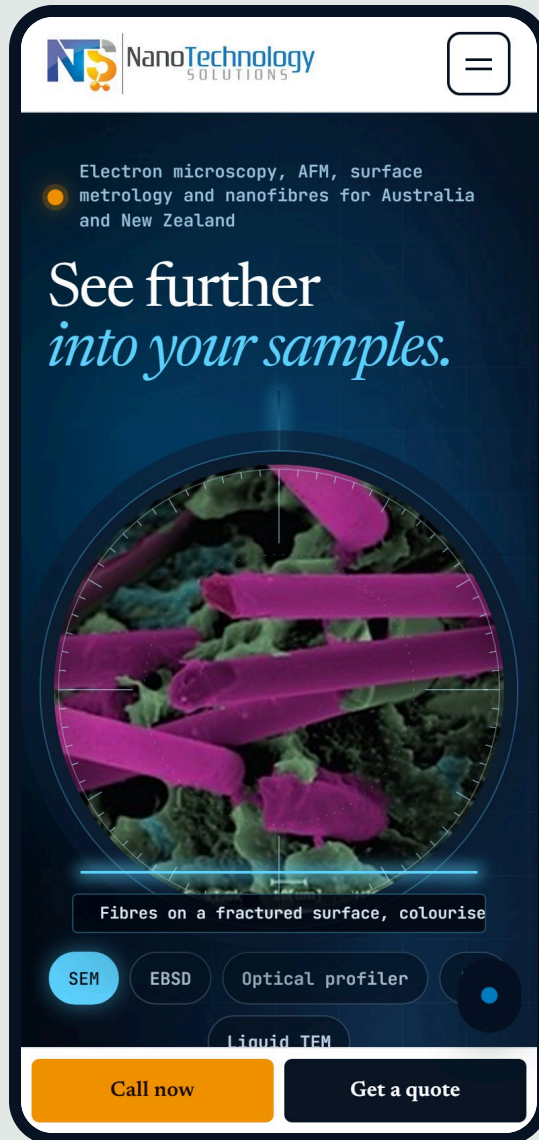
Post to website

On the website now

Nothing posted yet. Until you post jobs, the website shows its standard gallery.

25

Calling, enquiring, the technique chooser and the AI assistant all work properly on a phone.



26 How pricing works

Free to look. You only pay if you keep it.

Pay upfront

A\$1,190

Once. The website is yours from day one, including the first year of hosting and management.

Monthly

A\$119 / month

One simple 12-month plan (A\$1,428 in total). The website is yours once the 12 months are paid.

After year one

A\$69.99 / month

Hosting and management, month to month, on either plan.

Included: the full website on your own domain · hosting, security and backups · the AI assistant and dashboard · unlimited changes while I host it.

Kori · Intellisystems · 0485 084 940 · kori@intellisystemshq.com