

NeoNickel Laboratory

NeoNickel Technology group has unique facilities for material analysis & testing, metallurgical evaluation and corrosion testing.

Tests are carried out on a daily basis to support NeoNickel activities in Europe, as well as for external organisations worldwide who require routine testing, failure analysis, plant visits, metallurgical and corrosion consultancy services.



Metallography

Cutting, hot mounting, grinding, polishing, chemical & electrolytic etching and engraving equipment used to complete metallographic preparations.

Mechanical Testing



Macro/micro hardness using Rockwell, Vickers and Brinell devices.

Microscopy



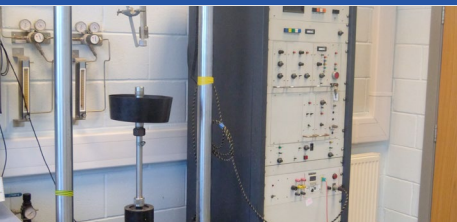
Optical microscopes and scanning electron microscopy with EDX analysis.

Standard Corrosion Testing



Standard corrosion testing on ferrous and non-ferrous alloys according to internationally recognised standards, e.g. ASTM (G48, G28, A262, etc.), ISO or EFC.

Stress Corrosion Testing



Slow strain rate testing rig, 2L & 5L autoclave corrosion testing.

Quality Assurance Services



Fully portable device for positive material identification by XRF technique. LECO analyser for completing Hydrogen analysis in weld wire.

Heat Treatment Furnace



To complete laboratory based heat treating activities useful in research.

NeoNickel Laboratory

Unique in the industry is our high-tech laboratory from which the NeoNickel metallurgists provide:-



Process & Application Review

Plant Visits & Consultancy



Lab Testing



Formal Reports

Which include material and processing recommendations.



Failure Analysis



Sampling & Data gathering

For more information about our laboratory services visit our website

www.neonickel.com



NeoNickel is the exclusive representative of Corrosion Materials Inc. & Rolled Alloys Inc. in Europe.