



Heat Treatments

QUALITY • SERVICE • EXPERTISE



Metallurgical Services

HTL Fact Sheet 14

We are an innovative company offering specialised metal processing services and products to our industry. Our company has delivered these services to local engineers and manufacturers for in excess of 50 years, in which time we have continued to invest in technology, systems and our personnel with a view to offering our customers the best solution we can.

In addition to offering a wide range of heat-treating and surface finishing services for steels, alloys and other metals using some of the best plant and processes available, we are also able to offer our customers a range of metallurgical services and other value adding activities.

► Quality

Heat Treatments has an active quality management system in place and is approved by the NZ CAA for the heat treatment of aircraft parts. Our plant is controlled using an Intouch System, allowing us to maintain tight control of all processing variables as well as graphically monitor and record actual processing results. We use a modern ERP system with all jobs weighed, digitally processed and bar-coded for traceability. Hardness testing data and furnace logs are traceable to each job.



► Technical

Our in-house metallurgical laboratory is available directly to our customers for related services:

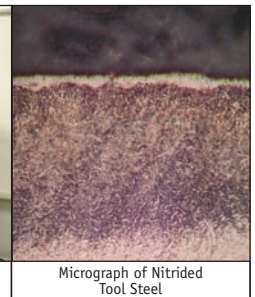
- Technical advice.
- Material and heat treat recommendations.
- Hardness testing – on site and portable.
- Crack testing (Magnaflux).
- Certification and reports.
- Microscopy and micro-hardness testing.



Modern Loadcell type Rockwell Hardness Tester



Digital Microhardness Equipment



Micrograph of Nitrided Tool Steel

► Management

By combining the three tools, QMS (quality management system), Intouch (factory control system) and Syteline (ERP system), in conjunction with our expertise, we are able to effectively manage our processing to ensure that our customer gets the desired end heat treating result. In addition our furnaces are quality assured through regular calibration surveys, maintenance checks, and a rigorous sampling regime which constantly checks and monitors furnace processing capability.

► Personnel

The highly skilled staff at Heat Treatments offer our customers solutions. Their experience, combined with modern plant and equipment, assures the highest standards in the quality, expertise and service relating to the manufacture and heat treating of components. Many of the staff have service in excess of 15 years (or even over 30 years in some cases) which enhances the depth of expertise and service to our customers.