



# Heat Treatments

QUALITY • SERVICE • EXPERTISE



## Machining Excellence

## HTL Fact Sheet 1

A range of skilled personnel, equipment and general processing capability supports our one stop shop philosophy. This allows our customers to rely on us to provide a complete manufacturing solution. The equipment offers a variety of methods for manufacture and in many cases is sophisticated enough for parts to be handled only once during processing and prior to heat treating.

Our CNC machines are programmed using "Edgecam" software, capable of accepting most file types, including solid models. Coupled with an extensive array of equipment to confirm quality, this provides our customers with confidence in our ability to reliably produce good quality products – on time and cost effectively.

### ▶ CNC Turning

- Up to 550 mm  $\varnothing$  x 2000 mm between centres.
- Maximum 710 mm  $\varnothing$  swing over bed.
- Up to 75 mm  $\varnothing$  bar feed with live tools and Y axis.
- Multitask B axis twin spindle up to 540 mm  $\varnothing$  x 1500 mm between chucks.

### ▶ CNC Milling

- X axis 1100 mm, Y axis 500 mm, Z axis 600 mm.
- 4th axis 450 mm  $\varnothing$  x 500 mm long.
- Maximum Load 1000 kg.

### ▶ Non-CNC Machining

- Lathes up to 250 mm  $\varnothing$  x 2000 mm between centres.
- Mills up to 350 mm wide x 1000 mm long. (Longer when supported.)
- Usual equipment for secondary operations including drilling, tapping and broaching.
- Fabrication and fitting.



### ▶ Quality

- CNC co-ordinate measuring machine with a 500 mm x 1000 mm envelope.
- Digital height gauge, digital hand measuring and a variety of certified gauges, including thread gauges.
- Surface finish, hardness testing and crack detection.