



# SINCLAIR HARDING

## CNC Milling

- HAAS Super Mini Mill 2 with Nikken NCT200 4th Axis  
508mm (X) x 406mm (Y) x 356mm (Z)  
10k Spindle Speed (option for 20k spindle speeder)

- HAAS Super Mini Mill  
With HAAS HA5C 4th Axis  
406mm (X) x 305mm (Y) x 254mm (Z)  
10k Spindle Speed

- DMG MORI SEIKI MILLTAP 700  
700mm (X) x 420mm (Y) x 380mm (Z)  
24k Spindle Speed

## CAD/CAM

- Two Solidworks Professional (Since 2008)

- OneCNC XR8

## Gear Cutting

- Mikron 79 Hobbing Machine 41mm Max cutting dia  
0.3 mod to 1 mod

- Sykes V4 Gear Shaper

## Heat Treatment

- Hardening and Tempering

- Carbolite Lab Oven Max temp 1200 degrees C

- Lab Oven  
Max temp 300 degrees C

- Furnace  
Max temp 900 degrees C

## Cleaning

- Guyson Ultrasonic Cleaning Tank and Rinse

- Finnsonic Ultrasonic Cleaning Tank

## CNC Turning

- DMG MORI SEIKI CTX 310 Ecoline Upto 200mm  
5k Spindle Speed

- Spinner SB CNC Lathe Max Bar dia 27mm  
8k Spindle Speed

- HAAS OL1 Lathe Upto 200mm  
6k Spindle Speed

## Wire Erosion

- Joemars AWT3S  
350mm (X) x 250mm (Y) x 210mm (Z)  
Max Weight 300kgs

## Finishing

- Shot Blasting Guyson Euroblast 4 Various media available

- Graining

- Lapping  
Kemet 15 Lapping Machine  
(140mm Dia) plus polishing option

- Polishing

## Electro Plating

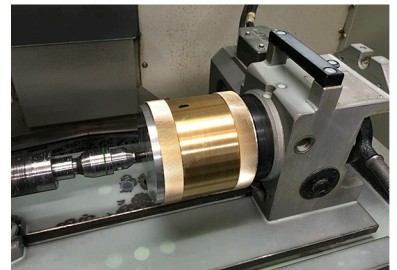
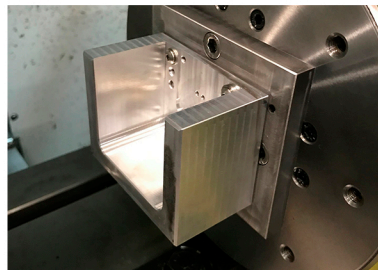
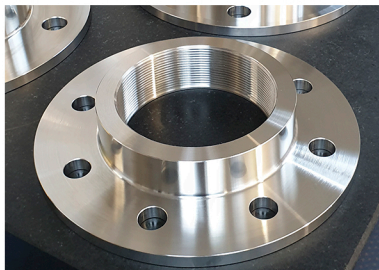
- Nickel Plate 0.005-0.015mm  
Tank Size 160mm (W) x 430mm (L) x 400mm (H)

- Gold Plate 23.5 Ct  
Tank Size 160mm (W) x 430mm (L) x 400mm (H)

- Platinum Plate  
Tank Size 160mm (W) x 430mm (L) x 400mm (H)

We use a wide range of materials, much of our work is done in:

- Mild Steel
- Stainless Steel
- Carbon Spring Steel
- Aluminium
- Brass
- Phosphor Bronze
- Plastic



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