



BRITISH  
HOROLOGICAL  
INSTITUTE

**AHCI**  
— DEPUIS 1985 —

BRITISH  
WATCH & CLOCK  
MAKERS  
TRADE MEMBER

SINCLAIR HARDING (UK) Ltd

CAPACITY LIST

### CNC Turning

#### DMG MORI SEIKI CTX 310

200mm dia Chuck  
5k Spindle Speed

#### Spinner SB CNC Lathe

Max Bar dia 27mm  
8k Spindle Speed

#### HAAS OL1 Lathe

Max bar dia 27mm dia  
6k Spindle Speed

### CNC Milling

#### HAAS VF2-SSYT

with TRT 160 5th Axis 160mm Diameter Table  
762mm (X) x 508mm (Y) x 508mm (Z)  
12k Spindle Speed  
Nikken NCT 200 4th axis

#### DMG MORI SEIKI MILLTAP

700 700mm (X) x 420mm (Y) x 380mm (Z)  
24k Spindle Speed

### Wire Erosion

#### Joemars AWT3S

350mm (X) x 250mm (Y) x 210(Z)  
Max weight on bed 300kgs

### CAD/CAM

#### Two Solidworks Professional (Since 2008)

SolidCAM  
OneCNC XR8

### Gear Cutting

#### Mikron 79 Hobbing Machine

41mm Max cutting dia  
0.3 mod to 1 mod

#### Sykes V4 Gear Shaper

### Laser Engraving

#### Fibre Laser

175mm x 175mm

#### UV Laser

75mm x 75mm

## Finishing

### Shot Blasting

Guyson Euroblast 4 Various media available

### Graining

### Kemet 15 Lapping Machine

(140mm Dia) plus polishing option

### Polishing

## 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

## 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)

### Rose Gold Plate

Tank Size

160mm (W) x 430mm (L) x 400mm (H)

### Platinum Plate

Tank Size

160mm (W) x 430mm (L) x 400mm (H)

## Materials

### Mild Steel

### Stainless Steel

### Carbon Spring Steel

### Aluminium

### Brass

### Phosphor Bronze

### Plastic