



## CAPABILITIES

Precision Fine Limit Sheet Metal Work + CNC Machining

5-Axis Milling (Exclusive +GF+ Milling Machines)

Multi Axis Turning & Machining (**MORI SEIKI**)

CADCAM – Concept to Production

Precision Fabricating for the Electronics Industry

CAA Approved Welding

5-Axis Waterjet Cutting / Special disciplines

Project Management with complete products including fabricating, machining, turning, welding, assembly and finishing

Specialist in high quality cosmetic finishes to customer requirements

Our own fleet of vehicles for deliveries and collections



## APPROVALS AND ACCREDITATIONS



YOU ARE IN GOOD COMPANY

GASE ENGINEERING is a well-established family owned and operated company that has over 60 years of manufacturing experience and principals, originating from 1964.

The heritage and discipline of our precision fine limit sheet metal work was derived from Strand Electric in Convent Garden, MOD Woolwich Arsenal and Vickers of Crayford.

As a leading supplier of manufactured parts in the Aerospace Industry, it is our mission to deliver precision engineering solutions to the highest standard.

We strive to exceed customer expectations of quality and service, utilizing our wide range of expertise including 5-Axis CNC milling, high precision CNC mill/turn capabilities, precision fine limit sheet metal work and specialised inhouse waterjet cutting processes. GASE has a unique capability to produce final assemblies on site that require machining, fabrication and welding.

Specialised capabilities and a mixture of disciplines allows us to develop innovative solutions for our customer's needs, with a complete subcontract manufacturing service. We welcome the challenge of developing our customer's problems into positive solutions.

Our strategic partnership with **+GF+** Machining Solutions enables us to implement modern manufacturing techniques, and through continual investment in the latest technologies, we can offer our customer the levels of quality and service they require. We are confident in the ability of our 65 skilled workforce spread across our campus of 4 factories to undertake a variety of work from single prototypes and complex assemblies through to high volume batch work.



## INSPECTION

QMS Certified by Bureau Veritas to AS 9100 Rev D

Q-Pulse AS9102 Inspection Management

CRYSTA APEX CNC CMM with scanning

Inspection to GD&T and profile scanning

Microscopic level of inspection for FOD.



## OUR MANUFACTURING CAPABILITIES

### PRECISION FINE LIMIT SHEET METAL

#### **PUNCHING:**

PULLMAX 520 PUNCH (3Mx15M),  
THICKNESS CAPACITY 0.2mm to 6mm

**13off** MANUAL FLY PRESS

Operated by specialist craftsman

**1off** HYDRAULIC FLY PRESS

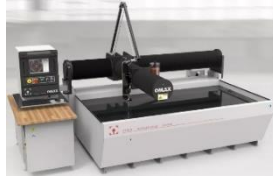


#### **SOFTWARE CAD/CAM:**

**2off** RADAN PUNCH

**2off** RADAN DRAFT

**2off** RADAN BEND / DESIGN



#### **WATERJET:**

OMAX WATERJET 55100 (1400 x 2500)

OMAX WATERJET 5555 (1400 x 1400)

0.2mm to 254mm THICKNESS CAPABILITY



#### **BRAKE PRESS / GUILLOTINE:**

SAFAN DARLEY 35-1250

SAFAN DARLEY 80-2550

SAFAN GUILLOTINE (2.5M x 3M)

NOTCHER – BOSCHERT NOTCHER LB 12/4

### MILLING PLANT

**+GF+ MIKRON**

**Strategic Partner**

**25off** CNC MILLING MACHINES

**9off** 3-AXIS CNC MACHINES

**16off** 5-AXIS PALLETIZED CNC MACHINES

CAD/CAM SOFTWARE

**3off** EDGE/CAM

**2off** ALPHACAM

**1off** EZ-MLL



**7off** 3-AXIS VERTICAL MILLING 800

**1off** 3-AXIS VERTICAL MILLING 1000

**1off** 3-AXIS VERTICAL MILLING 1200

**3off** 5-AXIS HPM 450U 7 PALLET

**2off** 5-AXIS 600 UCP VARIO 7 PALLET

**4off** 5-AXIS HPM 800U TWIN PALLET

**1off** 5-AXIS HPM 600U

**6off** MILL - P500 – 7 PALLET

### TURNING PLANT

**MORI SEIKI**

**4off** CNC LATHES

MULTI STATION TURRET

TWIN SPINDLE

PART TRANSFER

SIMULTANEOUSLY CONTROLLED AXIS X, Z, C, Y

DRIVEN TOOLING

BAR FEED AUTOMATION

**1off** SEMI CNC ELECTRONIC LATHE

CAD/CAM SOFTWARE

**3off** MAPPS / CAPPs

**1off** ALPHACAM

**1off** EDGE/CAM



### WELDING

CAA APPROVED TIG WELDERS AND INSPECTORS

DYNASTY 350 TIG WELDING PLANT

REHM MEGAPLUS 400 MIG WELDING PLANT

BUTTERS AW251 MIG WELDING PLANT

MERITUS SEAM WELDER

SUREWELD SPOT WELDER

WELDY 1600 STICK MMA PORTABLE WELDER

NEDERMAN EXTRACTOR

LINCOLN PORTABLE EXTRACTOR

### FINISHING

STRAIGHT GRAINING/THICKENESSING – TIME

SAVERS 22SERIE 900WB

BEAD BLASTING – GUYSON EUROBLAST 4SF (X2)

RUMBLING – WALTHER TROWAL VIBRATING

TUMBLER & BOWL

2 STAGE GUYSON INDUSTRIAL ULTRASONIC

CLEANING MACHINE.

MANAGEMENT OF SUBCONTRACT FINISHING TO  
THE CUSTOMERS SPECIFICATIONS.



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**Factory Site 1**  
 Precision Fine Limit Sheet Metal Work Centre of Excellence, CAA Approved Welded Components, Waterjet Cutting, and 5-Axis Milling (+GF+)  
 Unit 7, Tower Park Road,  
 Crayford, Dartford, Kent, DA1 4LB

**Factory Site 2**  
 5-Axis Machining Centre of Excellence (+GF+)  
 Unit 27, Acorn Industrial Estate,  
 Crayford, Dartford, Kent, DA1 4AL

**Factory Site 3**  
 Turning Centre of Excellence (MORI SEIKI)  
 Unit 32, Acorn Industrial Estate,  
 Crayford, Dartford, Kent, DA1 4AL

**Factory Site 4**  
 Specialist Non-Metallic Machining Centre of Excellence (+GF+)  
 Unit 6, Tower Park Road,  
 Crayford, Dartford, Kent, DA1 4LB

