

CAPABILITY SHEET

Your Engineering Manufacturing Partner — Dorset & UK-Wide

15+ Years Experience	24–48 hrs Prototype Turnaround	500+ Units Batch Capacity	NDA Protected by Default	5★ Google Reviews
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SERVICES & CAPABILITIES

- **Rapid Prototyping**
FDM&SLA-24–48hrturnaround-Functional & end-use
- **Reverse Engineering**
Frombrokenstoclienttoexact-fitreplacement part
- **Small Batch Manufacturing**
10to500+units-Dimensionalverification included
- **CAD Design & Modelling**
Fusion360-Sketchto print-readySTL/STEP file
- **3D Scanning & Digitisation**
Physicalobject toCAD · Legacypartreplication
- **3D Scanning & Digitisation**
Design-for-print review · Material guidance
- **3D Printed Moulds**
Soap,silicone, candle · Smallproduction tooling
- **Printer Repair & Maintenance**
DesktopFDM calibration &servicing

TECHNOLOGIES

- **FDM (Filament Deposition)**
Layerresolution from0.1mm
- **SLA (Resin)**
Layerresolution from0.025mm
- **3D Scanning**
Physical-to-CAD digitisation
- **CAD Software**
AutodeskFusion 360 · STEP/STL/F3D/OBJ/3MF

BUILD SPECIFICATIONS

- **Max Build Volume**
300×300 × 400mm (FDM standard)
- **FDM Tolerance**
±0.2mm standard · tighter on request
- **SLA Tolerance**
±0.05mm · high-detail resin
- **Layer Resolution**
FDM:0.1–0.3 mm · SLA: 0.025–0.1 mm
- **File Formats**
STL·STEP · F3D · OBJ · 3MF
- **Lead Time**
Prototype: 24–48 hrs · Batch: 5–10 days

MATERIALS

- **PLA**
Standard·Prototyping · Visual models
- **PETG**
Strong·Heatresistant · Food-safe grade available
- **ABS**
Impactresistant·Under-bonnet applications
- **ASA**
UV&weatheringresistant · Outdoor / Marine
- **TPU**
Flexible·Impactabsorption · Seals & gaskets
- **Carbon Fibre CF**
Highstrength-to-weight · Structural components
- **High-Detail Resin**
Finefeatures·Medical models · Jewellery
- **WOOD / SILK PLA**
Aesthetic&presentation pieces

SECTORS WE SERVE

- **Property & Facilities Mgmt**
Discontinuedparts · Multi-unitbatch supply
- **Marine Engineering**
PooleHarbour& Dorset coast-ASA marine-grade
- **Hardware & Product Teams**
Bridgeproduction · Validationbatches
- **Hospitality & Care**
Fixturereplacement · Hotel&carehome operators
- **Construction & Fit-Out**
Bespokecomponents · Heritagereproduction
- **Automotive & Motorsport**
Classicrestoration·EV conversion mounts
- **Education & R&D**
BournemouthUniversity · Research prototyping

WHY GAUSMAKER

- **Repair Over Replace**
Engineerthe missingpart·Avoid unnecessary CAPEX
- **Dorset-First**
On-sitevisits acrossBCP·UK-wide shipping
- **NDA Available**
Alldesigns treatedasconfidential by default
- **Structured Validation**
Dimensional checks·Repeatability guaranteed
- **Fast Turnaround**
Prototypes in 24–48hrs · No queue backlogs
- **No Minimum Order**
Singleparts or 500-unit batches — same standards

■ **NDA available on request**
All designs treated as confidential