

# BOWYER ENGINEERING

Delivering Engineered Solutions



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**Delivering Engineered Solutions**

## **Staff and Premises**

- Knowledge & expertise in precision engineering have passed through our family run business for over 70 years.
- 35 staff applying skills and experience to a range of services for a variety of Commercial and Aerospace related industries.
- CNC & conventional machining services available.
- 10,000 sq ft factory site in Andover Hampshire split equally between assembly and manufacture.

## Solutions Offered

- Subcontract Piece Part Manufacturing Service on CNC and Conventional Machines, ***Prototype Machining Service on New Matsuura MX520 5 Axis Machining Centre.***
- Design & Build Service for Special Purpose Machines.
- Manufacture of Temperature and Pressure Monitoring Probes for Aerospace Engine Applications.
- EDM Notching Service to Support NDT & NDE Inspection Techniques.
- Design and Build Service for Robotic Assembly Jigs, Assembly Tooling, Welding Fixtures, Inspection Fixtures & Robotic End Effectors.

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## Subcontract Piece Part Manufacture

Small / medium batch manufacturing & assembly of components to customer requirements & MOD / Aerospace standards, AS9100 & ISO9001 Accredited.





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## CNC Piece Part Machining

CNC Prototype manufacturing service on Matsuura MX520 5 Axis machining centre.



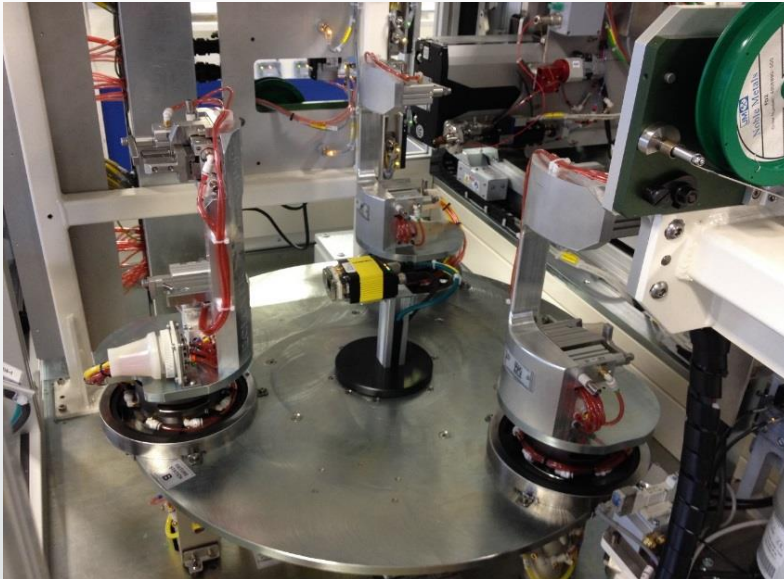
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## Special Purpose Machines

Design, Build & site services



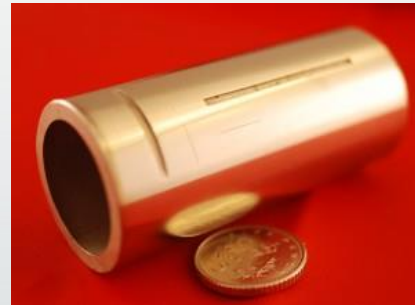
### Pressure & Temperature Rakes / Probes

Manufacture & repair of Aero-Engine test & evaluation instrumentation, Rolls-Royce SABRe Accredited.



### EDM Notching Service

In support of NDT & NDE Inspection techniques we can spark erode micro slot & hole features in calibration standards to mimic customer defined flaws that then allow calibration of Ultrasonic / Eddy Current probes. Typical slots & holes vary from 0.10mm - 0.50mm at depths from 1.00 – 5.00mm. Exact requirement needs to be discussed.





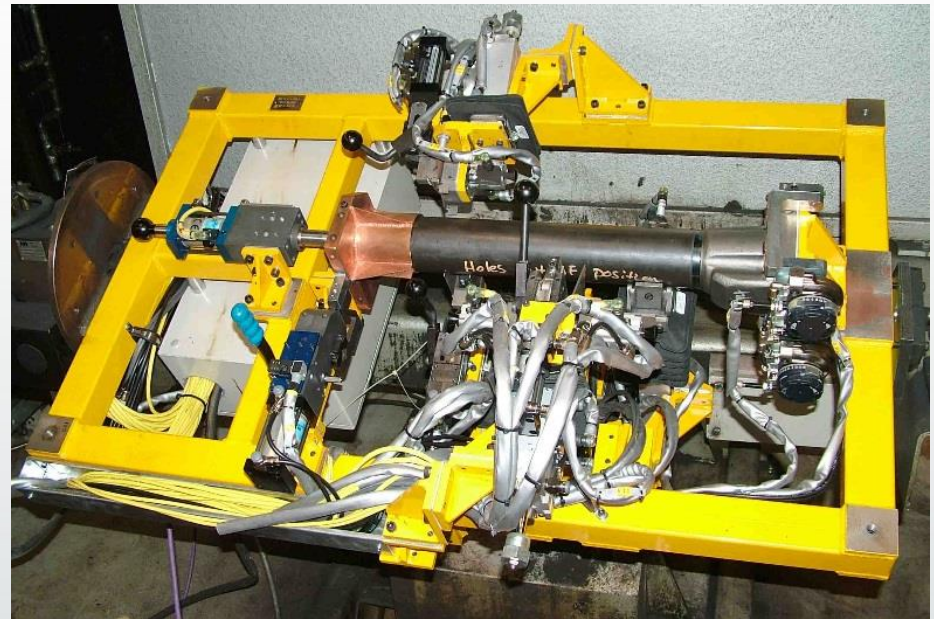
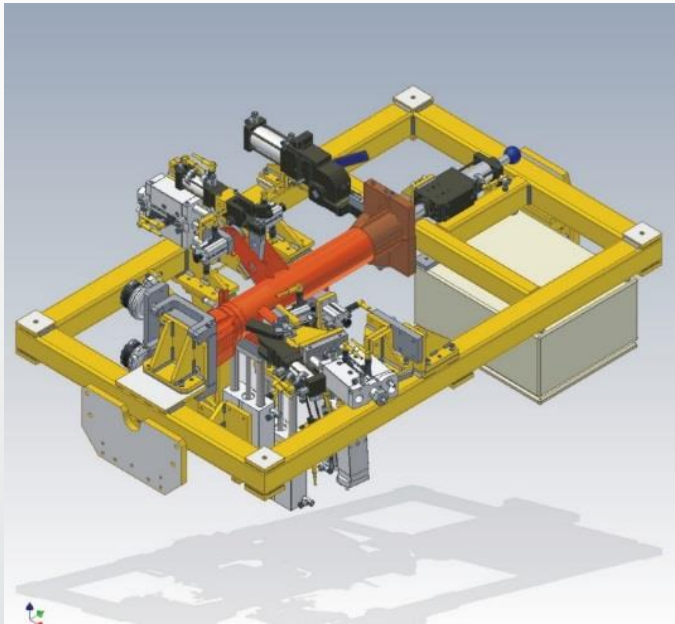
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## Manual Welding & Assembly Fixtures

Design, manufacture & build service



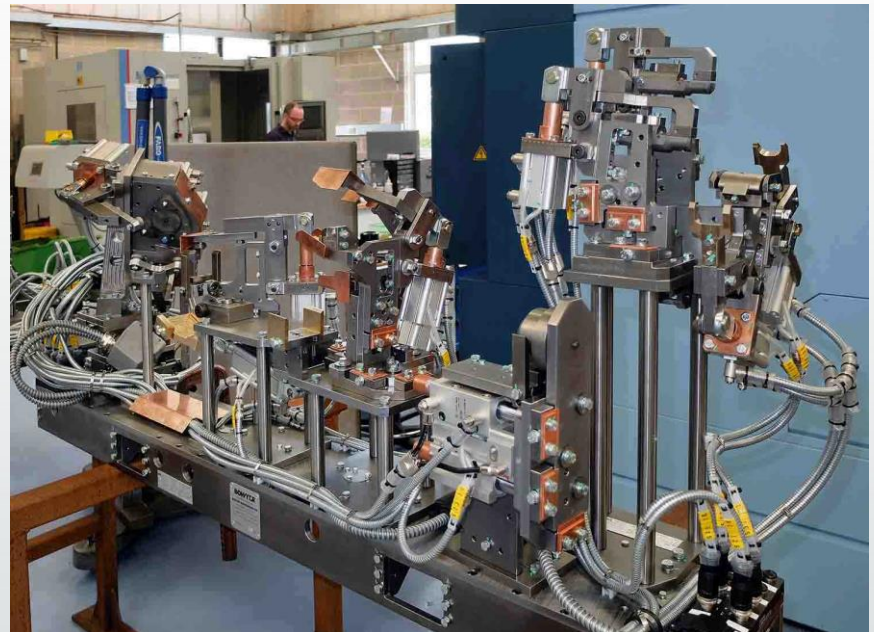
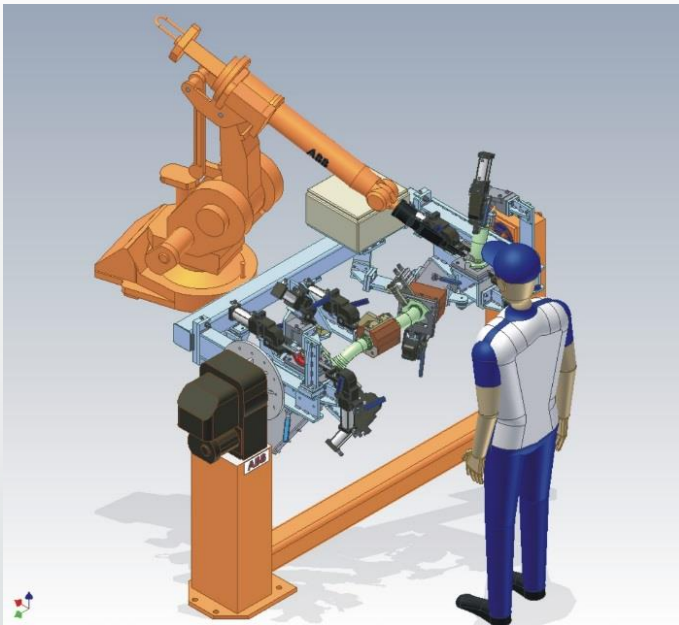
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## Robotic Welding Fixtures

Design, simulation, manufacture & build service.



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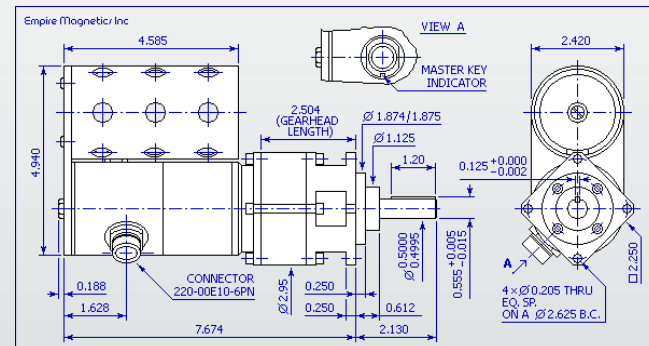
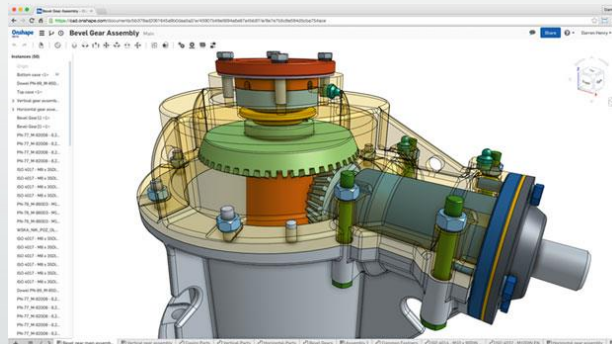
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## Design

We work with customer drawings in all the popular CAD formats, in both 2D & 3D.

All designs in Solidworks 3D, with e-drawings to communicate the design process with customers.

Full documentation and customer support throughout the life of the tooling.





### Inspection

We have invested in a 2.5m “Faro” portable CMM with Anthro-CAM software to enable fixturing to be accurately set-up to nominal dimensions during assembly. Checking and adjustments to be made during on-site commissioning





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## Logistics

We understand the importance of meeting agreed delivery deadlines, and have vehicles and carriers ready to provide fast collection & delivery service



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## Location

Our location allows easy access to Southern England, The Midlands and beyond.



# **BOWYER ENGINEERING**



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## **Contact Details**

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