



**COTTAM &
BROOKES**

ENGINEERING
WORLDWIDE

TOOLMAKERS AND PRECISION ENGINEERS



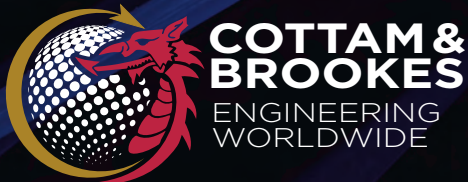
Keeping his legacy flying.
Sadly missed late
STEVE EDMUNDS
Managing Director: 1985 - 2018.

South Wales family business established and built around a tight knit team of highly skilled engineers and associated staff. Cottam and Brookes has been producing precision parts and assemblies at exceptional quality for over 30 years.

With our equipment capabilities and bespoke design service, this allows us to work with customers who have the most demanding of needs in a variety of metals and specialist alloys.

Our experienced and enthusiastic team provide us with the flexibility to work on a wide range of projects.

ISO 9001:2015 Approved



OUR BUSINESS

Engineering Specialists

PRECISION ENGINEERING

With our highly skilled engineers, we produce precision parts/assemblies of all sizes right down to the finest of details for all types of industry.



DESIGN AND REVERSE ENGINEERING

With our knowledgeable and experienced in house design team, we can transform your concept from virtual into reality.



GLOBAL SUPPLY CHAIN

With our experienced purchasing team, we can source a variety of parts globally from small batch to production.



REPAIR AND REFURB

We can repair and refurbish your damaged tools to C&B quality.

USED TOOLING

We buy and sell used tooling.



AEROSPACE GROUND SUPPORT AND ENGINE TOOLING

With our experienced technical team, we can provide technical support to meet your needs and manufacture tooling from one-off to complete packages.

REVERSE ENGINEERING

Highly Skilled Engineers

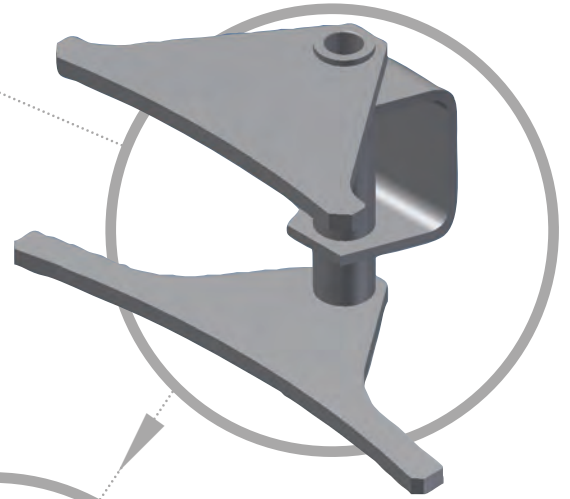
INSPECTION

With our highly skilled engineers and inspectors, working closely with our design team, we can reverse engineer most types of components of all complexities.

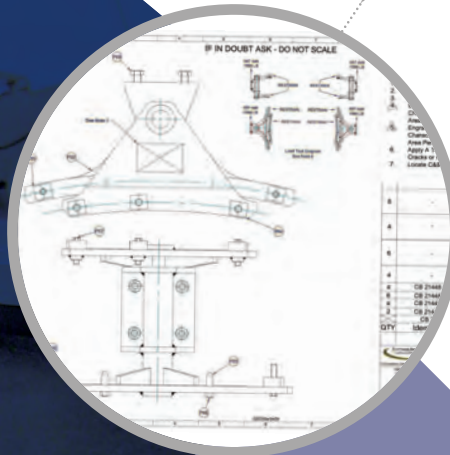


MODELLING

Our knowledgeable design team and computer aided design packages can transform dimensions into a 3D model.



With our in house design team, we can take your concept through to manufacture. We have all your engineering requirements under one roof. Regardless of size or quantity, we work to the finest of tolerances.



MANUFACTURING DRAWINGS

Using our years of manufacturing experience models can be transformed into detailed technical drawings ready for manufacture, transforming the virtual into reality.

DESIGN

In-house Design Team

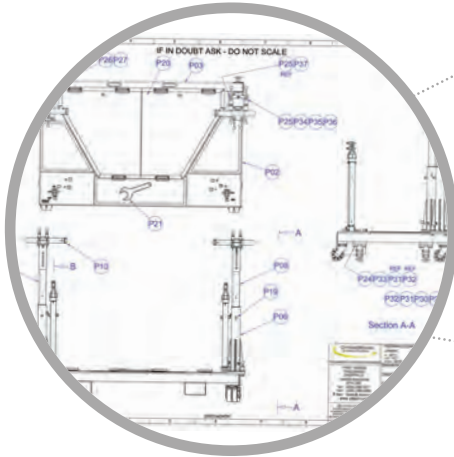
CONCEPT

Ideas and objectives are discussed at the start of the project to ensure we meet all customer requirements.



3D MODEL

With our experienced design team, we take your initial concept and transform into a final design.



MANUFACTURING DRAWINGS

Detailed technical drawings are created for the tool to be manufactured.



MANUFACTURE

We take your initial concept through to reality.

PRECISION ENGINEERING

Manufacturers of precision components to complete projects

We have a comprehensive machine shop and technical knowledge to fulfill most of our customers requirements efficiently and competitively.



CNC Milling (6 Axis)

96inch x 48inch
2600mm x 1250mm max.



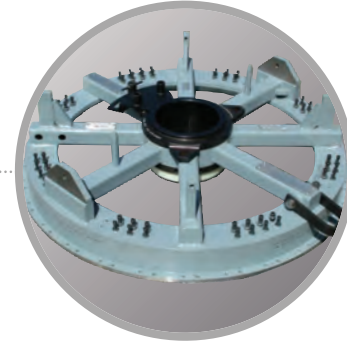
EDM Wire Eroding & Sparking

14inch x 10inch x 8inch
350mm x 250mm x 200mm max.



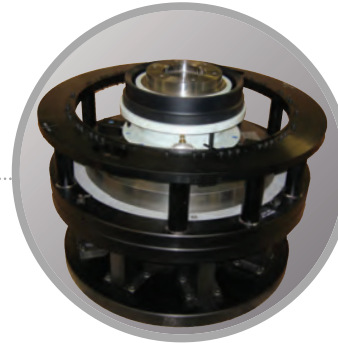
Coded Welding

100inch x 100inch
2500mm x 2500mm max.



CNC Turning/Boring

ø80inch x ø2000mm max.





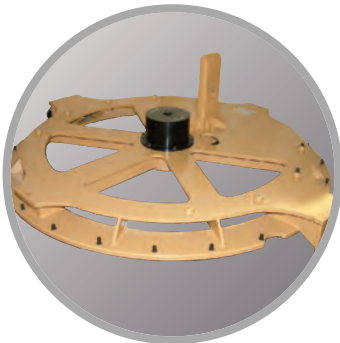
Assembly



Coatings

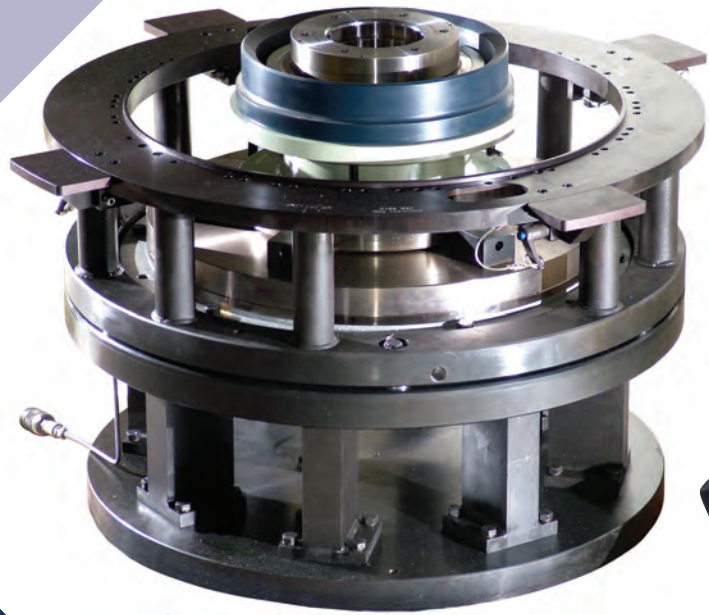


Inspection

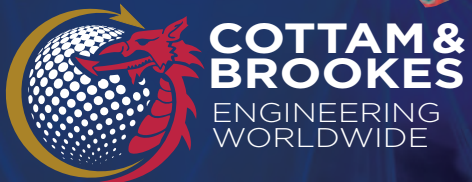


Shipping





We supply one off tools through to complete tooling packages with technical support from concept to completion.



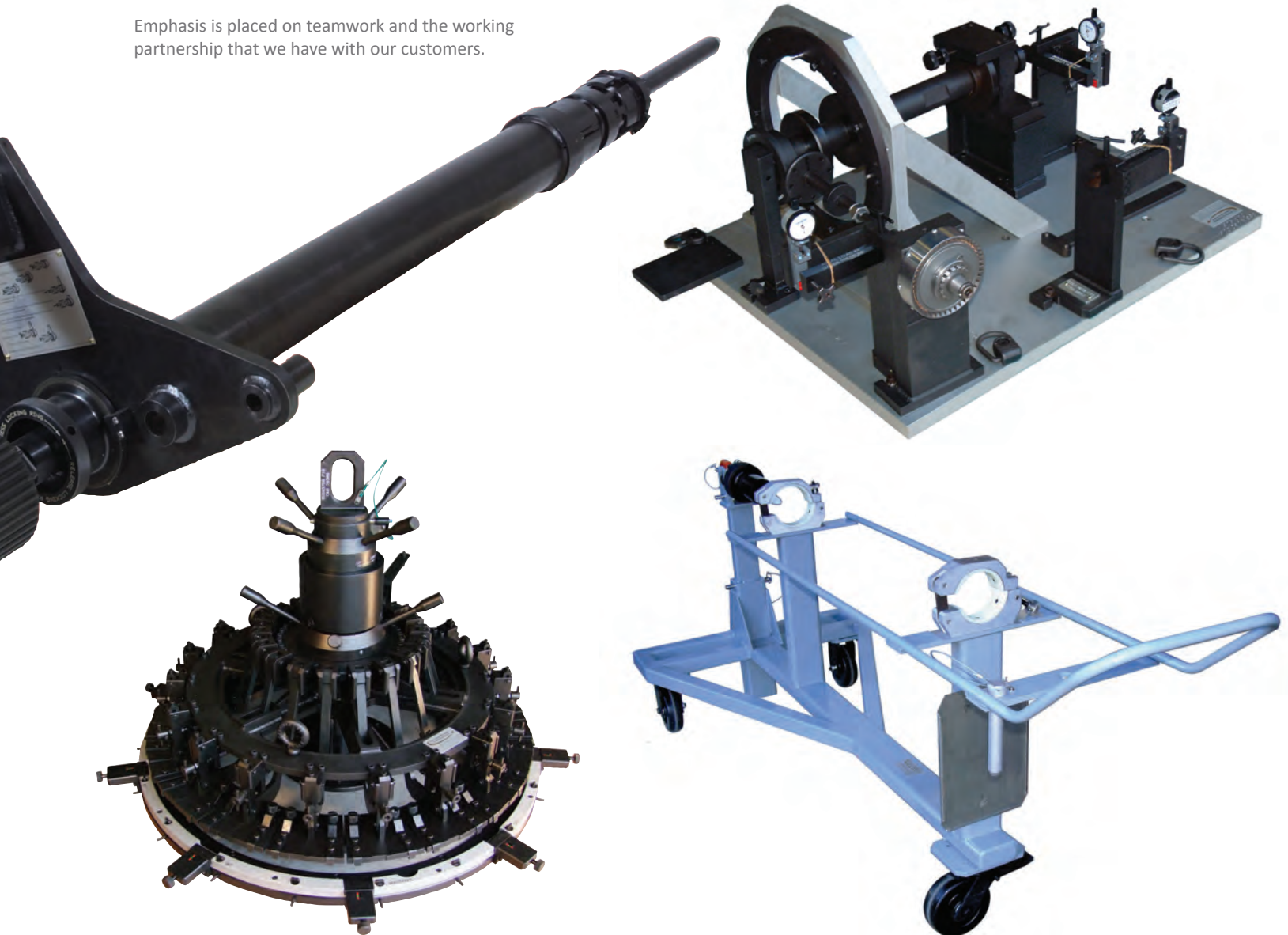
GROUND SUPPORT & ENGINE TOOLING **AEROSPACE**

Manufacturers of high quality tooling for the aerospace industry

Manufacture, repair and refurbishment of all tooling with a 24-7 AOG response where required.

One contact for all your tooling needs.

Emphasis is placed on teamwork and the working partnership that we have with our customers.



USED, REPAIR AND REFURB

Stock List Available

C&B BUY AND SELL

We have a wide range of used tooling available for purchase, reducing your expenditure and lead time. Please visit our stock list to view tooling availability: www.cbaero.com/stock-list

If you have any excess tooling you wish to sell, please contact us via email: tooling@cbaero.com

REPAIR AND REFURBISHMENT



We are your one stop shop.
With our manufacturing capabilities, we can repair your used or damaged tooling.

We can reduce your tooling costs by upgrading your current tooling to the latest standard.



GLOBAL SUPPLY CHAIN

Experienced Purchasing Team

With our vast years of engineering experience, our purchasing team can source a variety of manufactured components from small batch to production using our diverse supply chain network.

Quality has been a key factor to our success. We have a quality assurance that parts are fully inspected by our highly skilled and trained in-house engineers before shipment.



MEET THE TEAM

For any enquiries please contact us via email: tooling@cbaero.com



JEFF EDMUNDS CEO / Managing Director

Jeff began his career as an apprentice tool maker at Precision Metal Products producing precision tooling for the automotive industry. When Precision Metal Products sold, Jeff Edmunds continued in the industry by setting up his own business Glamorgan Tool and Design via a government funding start up scheme where he continued to produce the relevant tooling. Jeff Edmunds soon outgrew this facility and Cottam & Brookes Engineering (1985) Ltd was born.



Meet our enthusiastic, passionate and dedicated individuals



JOSH CADDY
General Manager
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CARYS EDMUNDS
Marketing & Business Development Manager
carys.edmunds@cbaero.com



ANDREW WRONA
Global Sales Manager
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DEAN POWELL
Global Purchasing Executive
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IAN OSLAND
Production Foreman
ian.osland@cbaero.com



STEPHEN THOMAS
Production Planning Manager
stephen.thomas@cbaero.com



SIMON ROWE
Chief Quality Inspector
simon.rowe@cbaero.com



GARETH FISHER
Quality Executive
gareth.fisher@cbaero.com

TESTIMONIALS

Previous Customers' Comments

"I opened the boxes today. "Excellent". I asked some other people to come and look. This is totally different to what we are getting from others"

Tool Engineer

"As always everyone had been impressed by the fixtures, the finish and attention to detail are excellent"

Tool Engineer

"I can see why companies want to deal with you"

Quality Auditor

"Offering excellent support and the entire team are happy with the services. Looking forward to working with you in the coming future"

Engineer

"Always deliver high quality and professionalism"

Senior Procurement

"Their design modification service allows the tools to function better for the MRO shop"

Procurement

"Very professional and is adapted to customers' needs dynamically"

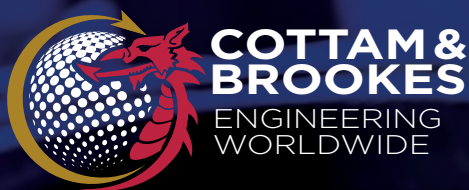
Engineer

"A knowledgeable technical team who always provide an excellent customer service and advise"

Engineer

"Products are first class"

Engineer



PLANT LIST

One Stop Shop

MILLING

6 Axis Boko WF4/12 CNC Universal Vertical Milling Machine (X,Y,Z,W,C,B)

with 60 station tool changer and integral rotary table (72"x48") table and 96"x48" Traverse with Heidenhein TNC 430 CNC Controller

4 Axis Boko WF2/10 CNC Universal Vertical Milling Machine (X,Y,Z,C)

(60"x40") table with Heidenhein TNC 360 CNC Controller and integral rotary table

Cincinnati Sabre 1500 Vertical machining centre *with 21 station tool changer and heidenhain TNC 415BR control*

Cincinnati Arrow 750 Vertical machining centre *with 21 station tool changer and Heidenhain TNC 360 control*

XYZ SM 4000 Vertical 3 axis CNC Bed Mill *with Prototrak SMX3 control (58"x14") table and 40"x23.5"x23" traverse*

XYZ VM Ridged Head 4000 Vertical 3 axis CNC Bed Mill *with Prototrak SMX3 control (58"x14") table and 40"x23.5"x23" traverse*

XYZ SMX 3500 Vertical 3 axis CNC bed mill *with prototrak SMX3 control (58"x14") and 30"x20"x20" traverse*

XYZ pro 2000 Vertical CNC Mill *with prototrak MX2 control*

Bridgeport Interact 1 MK2 CNC Vertical Mill *with Heidenhain TNC 155 control*

Huron KU5 Uniersal Mill *with newall DRO 1630x400mm table*

DeVlieg 3H-48 Spiramatic Horizontal Jig Mill *(36"x48") travel with integral rotary table*

2 off XYZ KRV2000 Vertical Turret Mills *with DRO*

XYZ1500 Vertical Turret Mills *with DRO*

TURNING

Webster and Bennett 80" CNC Vertical Borer *with Fagor 8025TI Controller*

Excel CNC Lathe 40" Swing X 85" *with Fagor Controller*

Alpha Colchester Harrison 1400 XT *Fanuc X Series control Dia 200mm x 1000mm between centres*

Haas SL20 CNC Lathe turning centre *with 10 station tool changer 23" swing*

XYZ Proturm RL X555 CNC Lathe *with 1750mm distance between centres, Ø 560mm swing over bed and Ø 104mm spindle bore.*

XYZ Proturm SLX 425 CNC Lathe *with 1100mm distance between centres, Ø 450mm swing over bed and Ø 80mm spindle bore.*

XYZ Proturm 420 CNC / Manual lathe *with prototrak LX3 control 18.5" swing x 49" between centres*

Webster and Bennett 48" Vertical Borer *with DRO 53" Dia capacity*

Dugard Luman 500MF CNC Combi Lathe *Siemens 828D control Dia 300mm x 1500mm between centres*

CAD/CAM

Autodesk Inventor CAM System *including 3D surface milling, wire erosion and turning*

Autodesk Inventor 3D CAD software *and simulation for mechanical design*

One CNC

3D Axis milling and turning/boring

Tapping/Drilling Roscomat Model

Mosquito-R

GRINDING

Jones and Shipman 1400 Surface Grinder *(24"x8")*

2 off Jones and Shipman 540 Surface Grinders *(18"x16")*

EDM

Neuar EDM Model ZNC-90 SE

tank size: 46 inch x 27 inch

Baron Max model KE550ZNC EDM 90 amp *with orbiting head tank size (46"x27")*

INSPECTION

Cimcore INFINITE II Portable Measuring Arm *with delcam power inspect software*

WIRE

ONA CNC Wire eroder model S250 *working capacity (350x250x200mm)*

WELDING & FABRICATION

Full TIG and MIG Welding Equipment *Including Aluminum, High Carbon Steel, Ferrous and Non Ferrous Materials Certificated to ASME IX and BS EN ISO 9606-1 and BS EN ISO 9606-2*

Heat Treatment Oven used for Stress Relieving of Fabrications

Fabrication Service backed by full CAD support and ISO 9001:2015 Quality Assurance

MISCELLANEOUS

3D Printer

Pryor Engraver



COTTAM & BROOKES

ENGINEERING
WORLDWIDE

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