

High-precision Engineering



for a fast moving world...

COLDON

Coldon Engineering Company Limited

was founded in 1966 and in 1981 moved to an 8500 sq ft factory in Brentwood, Essex. As part of Coldon's continual improvement policy in late 2014 the company moved to a modern 10,200 sq ft factory in Basildon Essex.

Our Mission Statement

To maintain a dedicated commitment to excellence in our field, focusing entirely on our customers needs.

To achieve this by retaining the highest quality staff, very latest technology and providing a service that is cost effective, highly responsive and totally committed to quality by continual improvement.

Titanium
Satellite Hinge
Anodised
Size: 140mm long
100mm Dia.



Aluminium
Satellite Bracket
Alocromed
Size: 180 x 180mm



Aluminium Housing
Alocromed and Painted
Size: 250 x 220 x 100mm



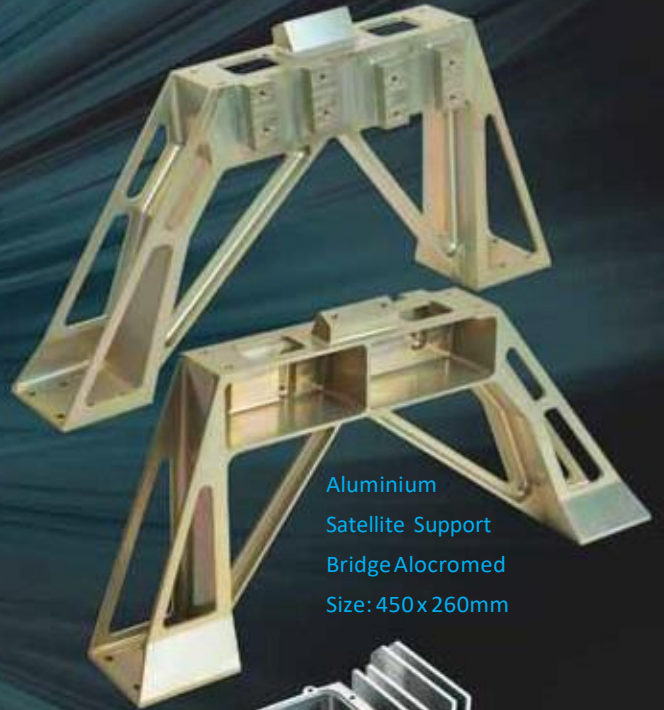
COLDON

Specialist Solutions

Using state-of-the-art CAD-CAM and CNC manufacturing technology, we offer specialist engineering solutions to the Aerospace, Satellite, Defence, Air Traffic Control, Electronics and Oil Exploration Industries to name but a few.

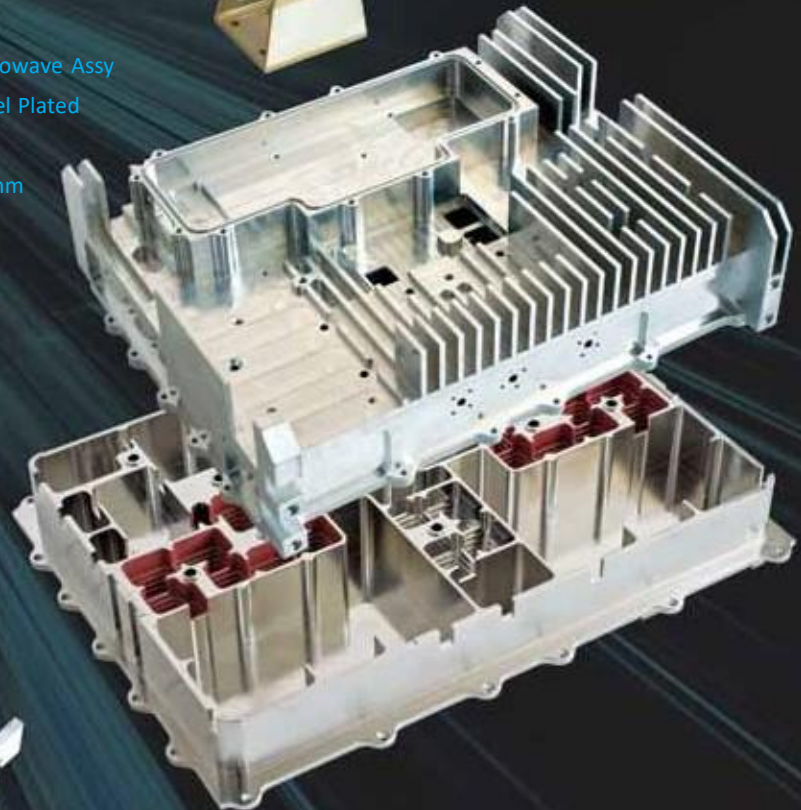
The wide range of components we produce range from complex tight tolerance Aircraft and Satellite components to special Screws, Washers and Dowels.

Our services include Assembly and Prototype work.



Aluminium
Satellite Support
Bridge Alocromed
Size: 450x260mm

Aluminium Microwave Assy
Electroless Nickel Plated
and Painted
Size: 300 x 210mm



Aluminium
Waveguide Assy
Size: 350x230mm

Fast lead times

CNC Milling

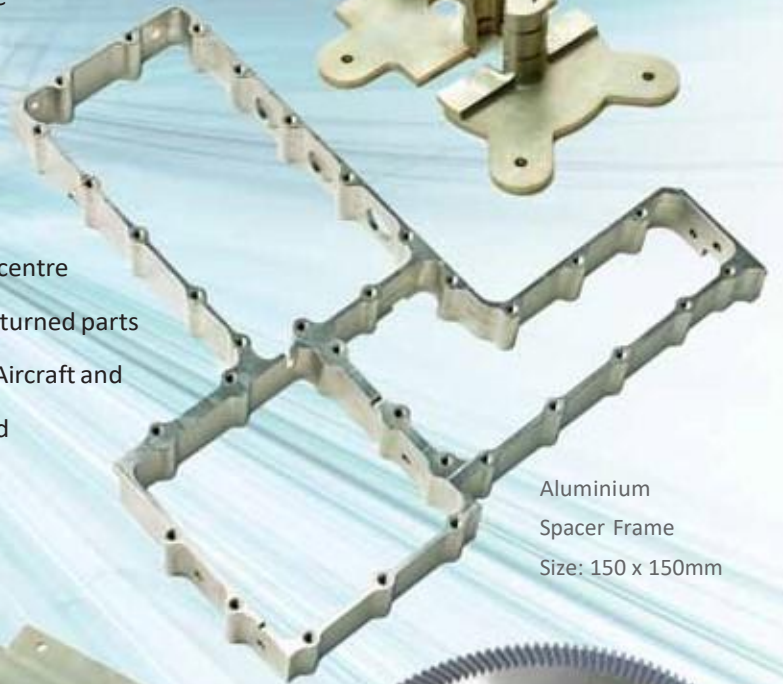
Numerous CNC machining centres provide capacity for the production of a wide range of components. We perform complex, tight tolerance work with the accent on quality and standards. Customers find the input they receive from us is exceptional. The large CNC section is complemented by a range of Vertical Milling machines and conventional machining and grinding facilities.

CNC Turning

A diverse range of CNC lathes is complemented by various centre lathes providing capacity for small medium or long runs of turned parts including Live Tooling with Y axis milling capability for the Aircraft and Satellite industries. With excellent customer satisfaction and fast lead times.



Aluminium
Cable Clamp Assy
Alocromed
Size: 130mm long



Aluminium
Spacer Frame
Size: 150 x 150mm



Aluminium
Cover milled from a
solid block of material
Size: 640 x 120mm



Aluminium
Bevel Gear
Size: 120mm Dia.

We have a full set of supporting machining capability, including grinding, drilling, helicoiling, engraving cleaning, assembly and press work.

Plus we have all the usual supporting range of equipment (eg Dividing Heads, Rotary Tables, CNC Indexer, Surface Tables).

We are in a position to give customers the complete service.

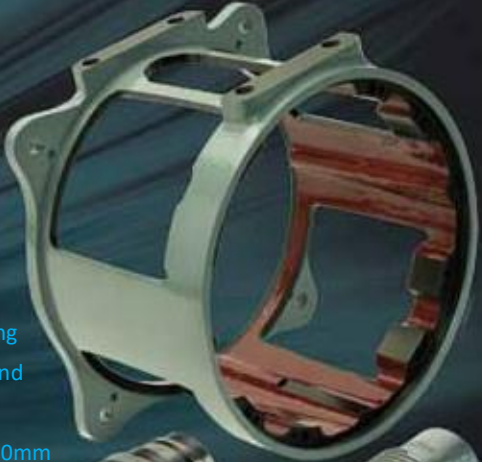


A wide range of materials


We maintain a wide range of materials including Plastics, Aluminium, Brass, Copper, Mild Steel, Titanium, Stainless Steel, Stainless Steel Alloys and Nickel Alloys. We also finish machine Aluminium, Stainless Steel and Soft Iron Castings.

The company places considerable importance on the quality and standards of our products and service and every effort is made to ensure customer satisfaction and fast lead times.

We are approved to AS9100 D & BS EN ISO 9001:2015, ISO45001-2018, Cyber Essentials, NIST800-171, JOSCAR and have 'Product Assured' status with many of our customers.



Magnesium
Motor Housing
Chromated and
Painted
Size: 180 x 110mm



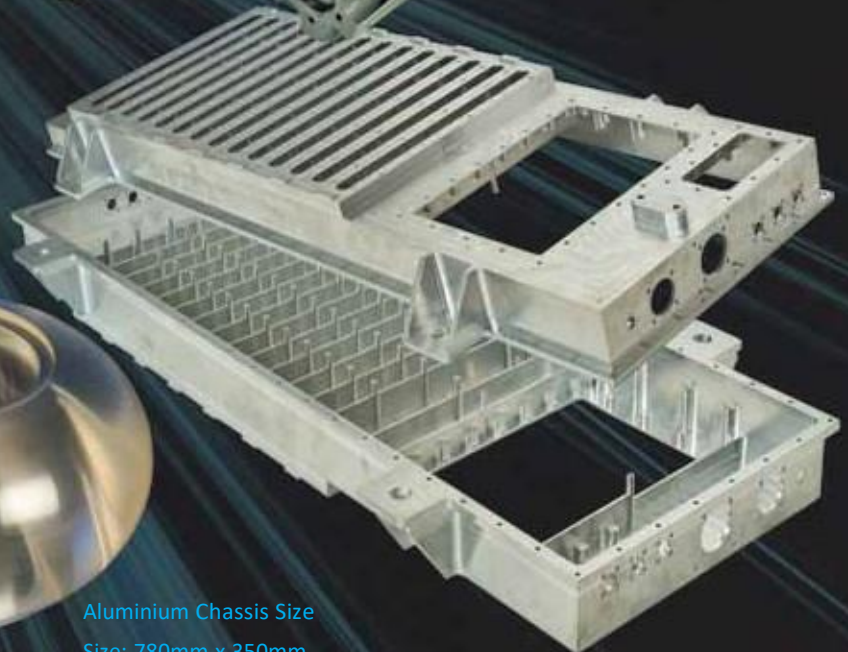
Left: Titanium Tungsten
Carbide coated
Right: Inconel shaft
Each: 280mm long



Perspex Runway
Light Housing Size: 100mm



Aluminium Chassis Size
Size: 780mm x 350mm





Our fully equipped Inspection Department has Brown & Sharp & Nikon CMM machines and a Trimos Measuring Tower. Programming by Vero Edge Cam System. We can accept IDGES, DXF, PDF, HPG and TIFF files through our email system. We can also accept virtually any solid models. Coldon has a vast range of supporting equipment e.g. Dividing Heads, Rotary Tables, CNC Indexer etc.

Certificate of Registration



Coldon continuing to win Awards. Once again recipient of the Raytheon UK Award for Quality and on time deliveries.



COLDON

To Contact Us

Based in the South East and just off the A127 which leads directly to Junction 29 of the M25 Motorway, Coldon has easy access to all major routes and Airports.

Coldon Engineering Company Limited

4 Quatro Park

Paycocke Road

Basildon Essex SS14 3GH

T: 01268 534527

F: 01268 527543

E: sales@coldoneng.co.uk

coldoneng.co.uk

The logo for COLDON, featuring the word "COLDON" in a bold, blue, sans-serif font. The background of the entire page is a dynamic, abstract image of blurred, curved lines in shades of blue, teal, and white, suggesting motion and technology.

COLDON

PLANT LIST

COLDON

CNC Milling

			X	Y	Z
2	Haas VFO	Vertical Milling Centre	508mm x	410mm x	508mm with 10,000 RPM Spindle
1	Haas Super Mini Mill 2	Vertical Milling Centre	508mm x	405mm x	356mm with 10,000 RPM Spindle
1	Haas VF1	Vertical Milling Centre	508mm x	406mm x	508mm with 10,000 RPM Spindle
3	Haas VF2	Vertical Milling Centre	508mm x	406mm x	508mm with 10,000 RPM Spindle
1	Haas VF3	Vertical Milling Centre	1016mm x	508mm x	635mm with 10,000 RPM Spindle
1	Haas VF2SS with TR160 -	5 Axis Vertical Milling Centre			
1	Haas VFOE	Vertical Milling Centre	762mm x	406mm x	508mm with 10,000 RPM Spindle
1	Haas VF6	Vertical Milling Centre	1626mm x	813mm x	762mm with 10,000 RPM Spindle
1	Haas UMC750	5 Axis Vertical Milling Centre	732mm x	508mm x	508mm with 12,000 RPM Spindle
3	Haas VF2SS-YT	Vertical Milling Centre	762mm x	508mm x	508mm with 12,000 RPM Spindle
1	Haas UMC750 8 x Pallet	Vertical Milling Centre	732mm x	508mm x	508mm with 12,000 RPM Spindle
1	Haas VM3 with TR160	5 axis Vertical Milling Centre	1016mm x	660mm x	635mm with 12,000 RPM Spindle
1	Haas UMC500	5 Axis Vertical Milling Centre	610mm x	406mm x	406mm with 15,000 RPM Spindle

Manual Milling

1	Semco LC-1	Vertical Milling Machine	575mm x	250mm x	400mm with adjustable head
4	Bridgeport	Vertical Milling Machine	700mm x	300mm x	450mm with adjustable head
1	XYZ SEMI CNC	Vertical Milling Machine	746mm x	363mm x	400mm with adjustable head

CNC Turning

1	Mazak Quick Turn 20	Turning Centre with 8" Chuck Max Turning Length 444mm	Max Turning dia. 300mm
1	Mazak Quick Turn 15	Turning Centre with 8" Chuck Max Turning Length 444mm	Max Turning dia. 300mm

Manual Turning

2	Colchester Lathe	Max Swing 508mm Max Turning Dia. 300mm Max Turning Length 609mm
---	------------------	---

Grinding (Surface & Cylindrical)

1	Jones-Shipman 540 Surface Grinder	250mm x 150mm x 150mm
1	Myford Cylindrical Grinder	up to 1/2" dia. X 150mm long

Press Tools

2	Denbigh Manual Press
---	----------------------

Cutting Equipment

1	Ajax power Saw	- up to 250mm diameter
1	Startwright 14 Band Saw	
1	Thomas 315 Cylindrical Power Saw	

Inspection

1	Nikon CNC CMM	600mm x 500mm x 440mm
1	Validator CMM	- 650mm x 650mm
1	Trimos 800 Digital Height Gauge	- 800mm
1	Surtronic Surface Measuring Machine	
Fully Calibrated Gauges, Slips, Thread Gauges & Micrometers		

Software

Acronis, 3D Tool,
Edgecam CNC programming software,
IPI Visual FAIR software which gives Full FAI on AS9102 forms,
Nikon & Aberlink CMM software.