CNC Leicester Ltd

Profound Manufacturing



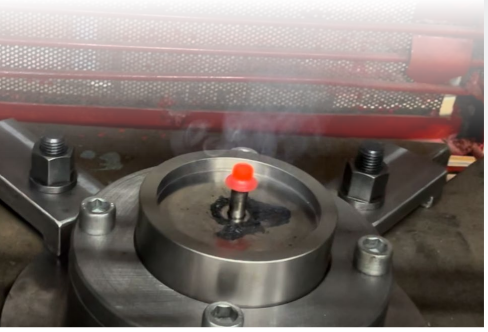
ONE COMPANY COMPLETE CAPABILITY

PRECISION ENGINEERING SOLUTIONS

01

HOT FORGING, THREAD ROLLING & GRINDING

- Hot Forging
- Thread Rolling
- Grinding
- Tensile Testing



02

GENERAL CNC MACHINING

- 5 Axis Milling
- CNC Turning
- EDM and Wire EDM
- Laser Part Marking
- Engraving



03

LASER CUTTNG & FOLDING

- Laser Cutting
- Sheet Metal Folding



QUALITY ASSURED | **HIGH ACCURACY** | **FAST TURN AROUND** | **HIGHLY EXPERIENCED**

PRECISION. PERFORMANCE. DELIVERED.

Call 0116 2460118

e: sales3@cncleicester.com

w: cncleicester.com

PROUD TO MANUFACTURE IN THE UK

CNC Leicester Ltd

Profound Manufacturing



Hot Forging, Thread Rolling & Grinding

CUSTOM DESIGNED. FROM EXOTIC MATERIALS.

At CNC Leicester we offer precision engineering, manufacturing a wide range of bespoke Fasteners and Fixings.

Our fully equipped CNC machining facility includes Hot forging, Thread rolling, Tensile testing machine, Hardness tester and Grain flow inspection.

QUALITY ASSURED
We take pride in our work with rigorous quality control

HIGH ACCURACY
Tight tolerance and excellent surface finish

FAST TURN AROUND
In house capabilities for quick turn around

EXPERIENCED
Skilled engineers focused on your success

ONE COMPANY. COMPLETE CAPABILITY.

Call our experts on **0116 2460118**

COMPLETE PROCESS. SUPERIOR RESULTS.

Our integrated approach ensures complete control over quality, consistency and lead times.



WE SPECIALISE IN NICKEL ALLOYS AND EXOTICS.

Material we work with include:

- Inconel*
- Multiphase*
- A286
- B7/L7
- Nimonic
- Waspaloy*
- PH 13-8
- H11 + H13
- Titanium
- Stainless and General Steels

HOT FORGING

We produce a range of bespoke fasteners such as:

- **Nuts**
  Castle, 12pt, Hex, Square, Rhombus
- **Bolts & Screws**
  Hex, 12pt, Slab and Cheese head
- **Studs**
  Flanged, waisted, double ended, multi threaded.

THREAD ROLLING

Our advanced thread rolling machines produce strong threads:

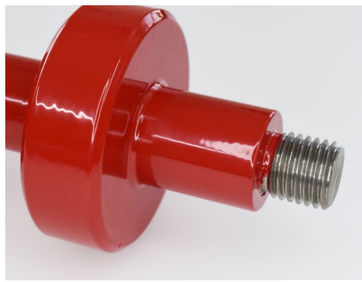
- Studs
- Bolts
- Custom components

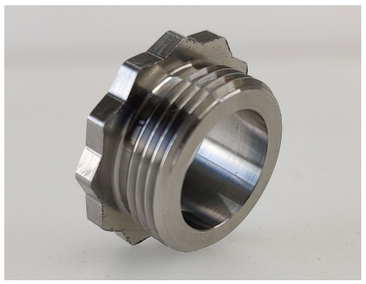
GRINDING

CNC Precision grinding delivers exceptional accuracy, tight tolerances and outstanding surface finishes:

- **Washers**
  Slotted, Dowty, Split
- **Dowels**

Surface finishes and Heat treatment where required are outsourced using approved suppliers.







LABORATORY

- Instron tensile and Sheer testing machine
- Hardness tester
- Polishing
- Microscopes
- Crack detecting machine (NDT)



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PROUD TO MANUFACTURE IN THE UK

CNC Leicester Ltd

Profound Manufacturing

General CNC Machining

PRECISION ENGINEERING. BESPOKE COMPONENTS. YOUR LEAD TIME.

Our fully equipped CNC machining facility includes the latest 5 Axis Milling Machines, CNC Lathes, EDM, Wire EDM and Centreless Grinder operated by a highly trained work force enabling us to deliver high precision custom components efficiently.

CNC Leicester established a name synonymous with quality, efficiency and service as specialist suppliers to the Motorsport, Aerospace, Defence and Petrochemical.



QUALITY ASSURED
We take pride in our work with rigorous quality control

HIGH ACCURACY
Tight tolerance and excellent surface finish

FAST TURN AROUND
In house capabilities for quick turn around

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PLANT LIST

CNC Turning
- 21 x Hardinge T42 - collet and chuck
- 3 x Hardinge Cobra 65
- 2 x Victor Mill Turn

CNC Milling
- 5 x Haas Umc 750 – 5 axis
- 2 x Haas Umc 500 – 5 axis
- 2 x Haas Mini Mills – 4 axis
- 1 x Hardinge Vmc – 3 axis
- 1 x Hass VFOE Vmc – 4 axis

EDM Spark Erosion
- 2 x Eurospark EDM Machine – 3 axis
- 2 x Eurospark Wire EDM Machine

Centrless Grinding
- Cincinnati 20M Centreless

Part marking
- 2 UV laser Marking Machine
- 1 Fibre Laser

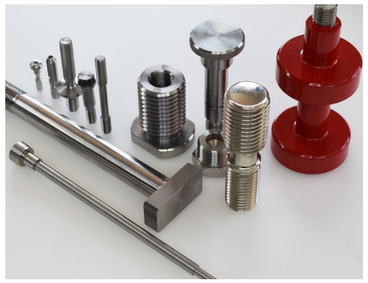


MATERIALS WE WORK WITH

- Stainless steel & General steels
- Aluminium Alloy
- Inconel* - Waspaloy*
- Super duplex - Multiphase*
- Other Nickel alloys
- Tool steel - Titanium
- Plastics: Peek, Nylon and Acetal

We also work with free issue material. All surface treatment and heat treatment completed by our approved suppliers.







QUALITY INSPECTION

- Programmable CMM
- Starett shadowgraphs
- Mitutoyo micrometer
- Lynx laser dynascope
- General inspection equipment
- Keyence optical CMM
- Digital height gauge



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PROUD TO MANUFACTURE IN THE UK

CNC Leicester Ltd

Profound Manufacturing

Laser Cutting & Folding

PRECISION CUT.
PERFECT FORM.
CONSISTENT QUALITY.

Our laser cutting and folding services deliver high accuracy, repeatable results across a wide range of materials and thicknesses.

From intricate components to large scale fabrication, we combine advanced technology with skilled craftsmanship to meet your requirements.

Fully in-house CNC manufacturing and Laser Cutting capabilities. We deliver precision engineered with greater control over quality and lead time.



QUALITY ASSURED
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HIGH ACCURACY
Tight tolerance and excellent surface finish

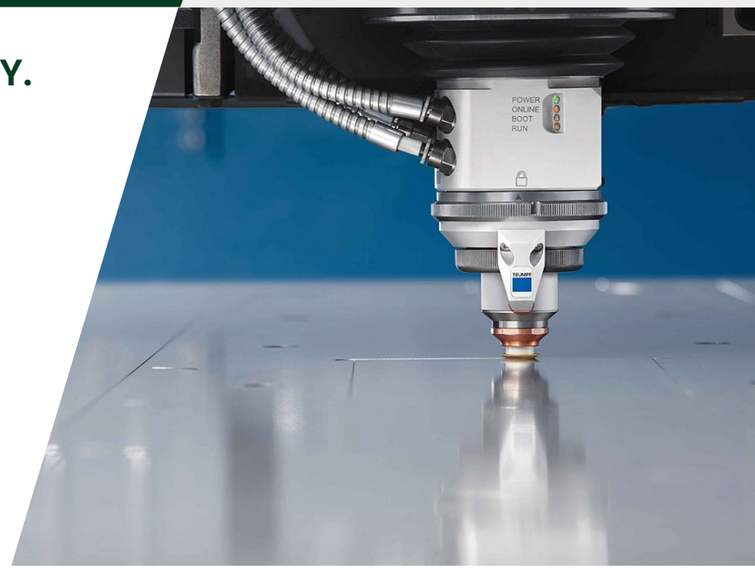
FAST TURN AROUND
In house capabilities for quick turn around

EXPERIENCED
Skilled engineers focused on your success

ONE COMPANY. COMPLETE CAPABILITY.

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ADVANCED TECHNOLOGY. EXCEPTIONAL RESULTS.



YOUR PROJECT. OUR PRIORITY.

From one-off prototypes to full production, we're here to deliver the quality and reliability you need.

Our highly experienced team of engineers are here to provide the perfect solution for your next project.

LASER CUTTING

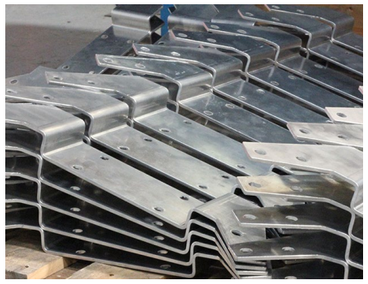
- High power fibre laser technology
- Exceptional edge quality
- Complex shapes with tight tolerances

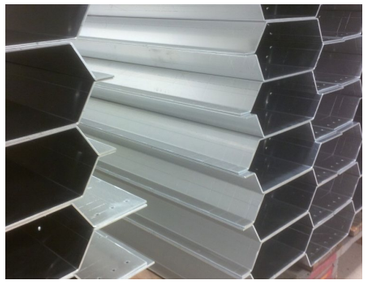
SHEET METAL FOLDING

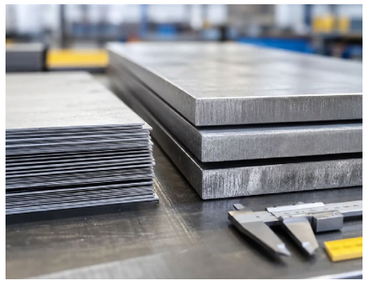
- CNC press brakes for accuracy and consistency
- Wide range of materials and thicknesses
- Complex folds and assemblies

CAPABILITIES OVERVIEW

Laser Cutting Capacity
3.5mx 1.5m sheet
Material Thickness
up to 15mm
Folding Capacity
up to 10mm
Finishes Available
deburred, tapped, countersunk, welded assemblies, painting, anodising and other surface finishes







QUALITY INSPECTION

- Programmable CMM
- Starett shadowgraphs
- Mitutoyo laser micrometer
- Lynx laser dynascope
- General inspection equipment
- Keyence optical CMM
- Digital height gauge



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0116 246 0118

Outside UK call: +44 116 246 0118

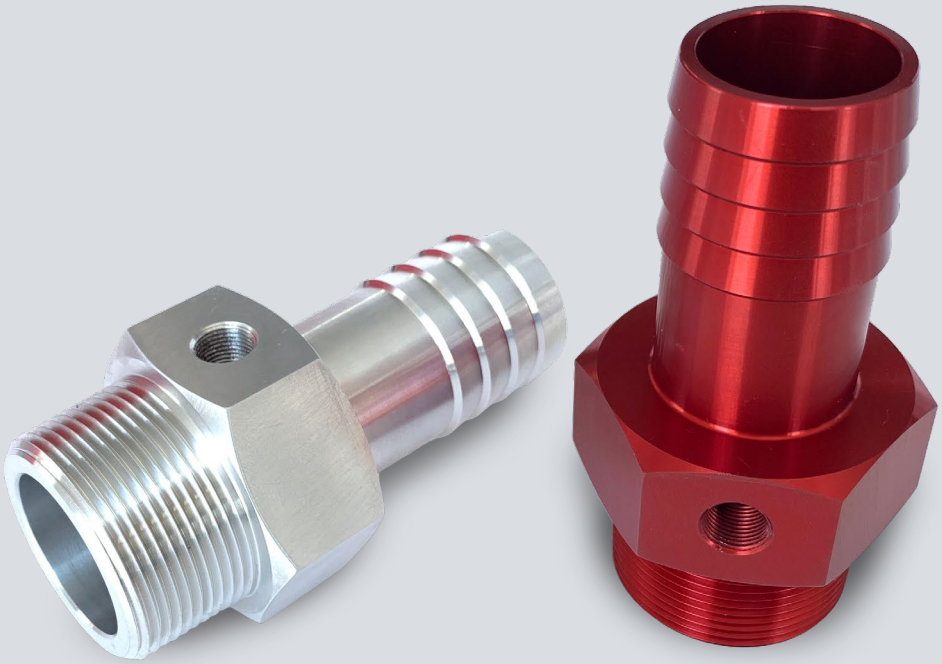
sales3@cncleicester.com

CNC Leicester Ltd

Clipper Road,
Leicester
LE4 9JE

50 Cannock Street,
Leicester
LE4 9HR

www.cncleicester.com



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