

# SAVING CUSTOMERS MONEY FOR OVER 50 YEARS

Your Engineering Partner for Precision Machined Parts and Geared Components  
ISO 9001 & AS9100 Registered. Committed to Value, Quality & Service

Specialist subcontract manufacturer of custom made Precision Machined Parts, Gears and Racks. Located in the UK, we supply to many diverse industries world-wide

## How we can help you gain a competitive advantage

### PRICE & MARKET EXPERIENCE

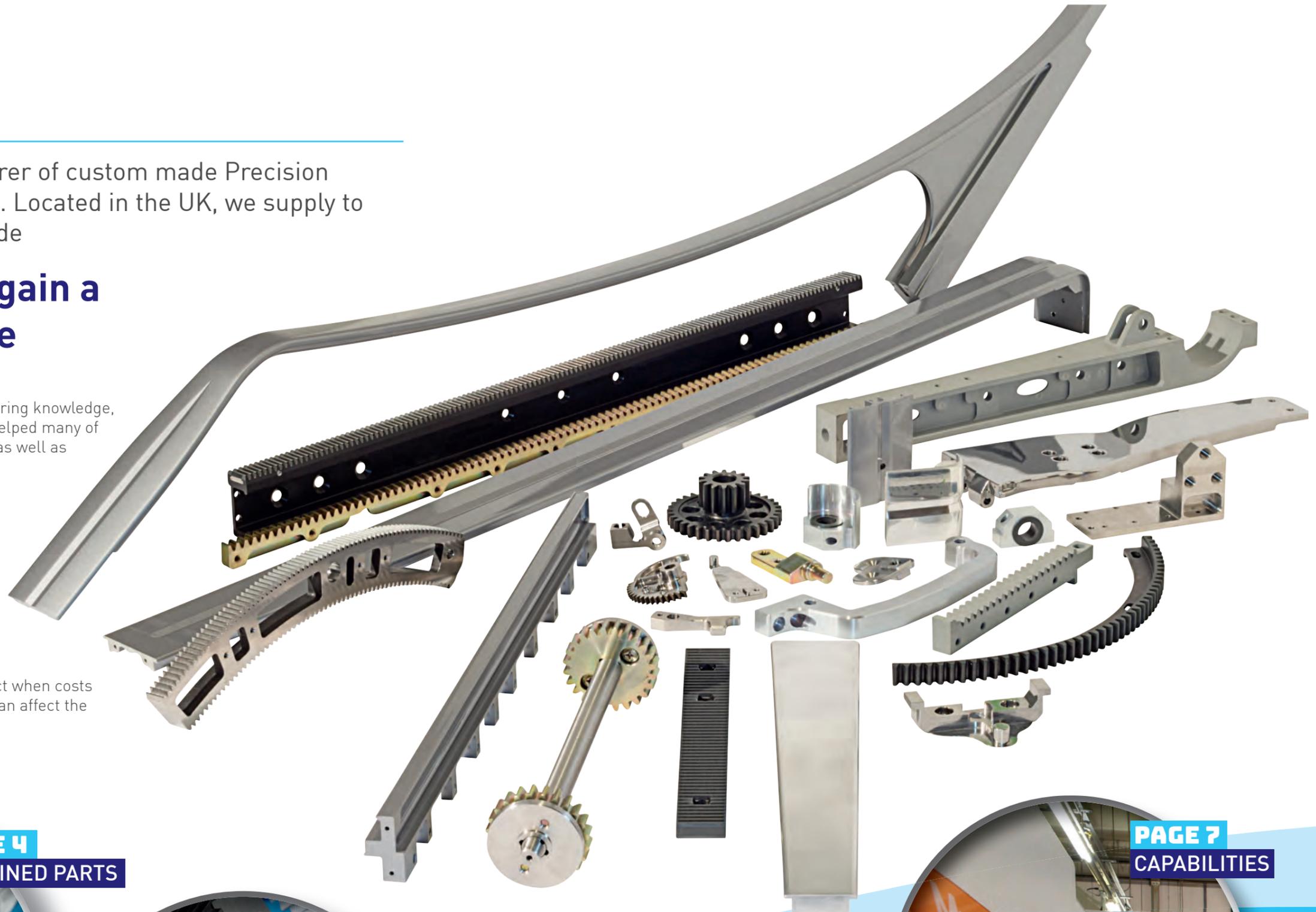
With over 50 years of machining and gear manufacturing knowledge, together with our commercial experience, we have helped many of our customers achieve their optimum target design as well as help reduce manufacturing costs

### QUALITY & RELIABILITY

Our Quality System is now approved to the stringent requirements and measurements of the Aerospace & Defence standard AS9100, assuring you of a reliable service, on time delivery and quality products

### START WITH US

We welcome being involved at the start of your project when costs and design are being evaluated as this is where we can affect the outcome, making your product more competitive



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# MACHINED PARTS

APPLICATIONS WHERE OUR COMPONENTS CAN BE FOUND:

## Machining to your bespoke requirements

We manufacture an extensive range of precision machined components for high end industries on a global basis and offer you a complete machining service including gear cutting if required.

### MATERIALS

**Ferrous:** Various grades of steel including Exotic Steels: Super Duplex, Duplex, Inconel & Stainless

**Non Ferrous:** Aluminium, Brass & Bronze

**Other materials** available on request

### MACHINING CAPACITY

Turning up to 600mm

Length: 1030mm

Milling up to 3 metres long

Aircraft Interiors, 1st class and business class seating

Aircraft pilot seats

Safety critical precision high end valve applications; offshore, topside and subsea

Mechanical mechanisms for stairlifts

Portable equipment for on-site machining operations (rail, mining and offshore)

Splined hubs and shafts for the M.o.D.

Plus numerous other applications for the many industries we serve.



AEROSPACE

NUCLEAR

DEFENCE

For a quotation please send your drawings / 3D models (dxf / stp files preferred) and quantities to us today: [enquiries@minigears.co.uk](mailto:enquiries@minigears.co.uk) or call us on +44 (0) 161 432 0222 and ask for Technical Sales

# GEARS

HIGH PRECISION AND COMMERCIAL GEARS:

## Gear cutting & CNC gear grinding service

Mini Gears has been manufacturing gears for over 50 years and our vast experience making the parts is often a massive benefit to our customers when specifying a new design.

### MATERIALS

Alloy steels for hardened high precision gears

Non-alloy steels for unhardened commercial gears

Stainless Steel, Phosphor Bronze, Aluminium Bronze

Various grades of plastics (Nylon, Peek etc.)

### GEAR CUTTING CAPACITY

Commercial Gears from 25mm - 600mm dia. (Max. pitch = 8 Mod (3DP)

Internal Gears (Max. pitch = 6 Mod (4DP) Max. face width = 125mm (5"))

High Precision Gears up to 400mm dia. (Gear checking up to 350mm in house)

- Ground Gears
- Spur & Helical Gears
- Flywheels, Layshafts
- Spline & Gear Shafts
- Timing Pulleys, Sprockets
- Worms & Worm Wheels
- Racks & Pinions

Plus many other types of gears for industries requiring power transmission. We offer complete supply or gear cutting only.

**WHAT OUR CUSTOMERS SAY**

Mini Gears has always shown great initiative in product improvements and cost reduction. The investment they have made in people, capital and technology has allowed them to stay at the forefront of their industry, maintaining highly competitive pricing against their global counterparts and thus forming the basis of our strong working relationship

**Power Transmission Industry - Australia**

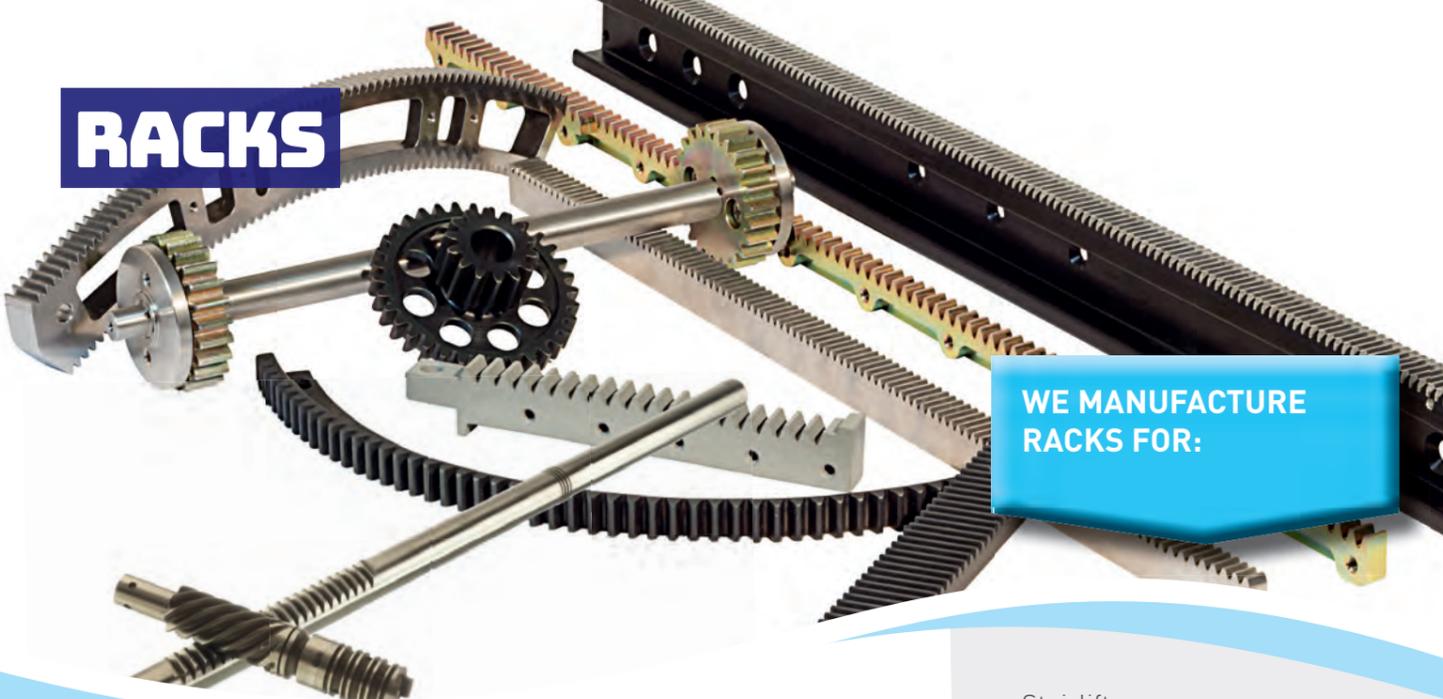


MARINE

RAIL

POWER TRANSMISSION

# RACKS



WE MANUFACTURE RACKS FOR:

## Rack cutting is a huge part of our business

Mini Gears is dedicated to improving the performance of our customers' products and our innovative specialist way of cutting racks now sees us producing over 700,000 metres of gear rack per annum on a global basis.

### MATERIALS

Steel, Stainless Steel & Aluminium

We can offer various corrosion resistant treatments

### RACK CUTTING CAPACITY

Maximum length: 3 metres

Maximum pitch: 4 Mod (6DP)

- Stairlifts
  - Commercial Aircraft Seating
  - Pilot Seats
  - Steering Racks for Cars
  - Lifts & Lifting Equipment
  - Drilling Machines
  - Valves
  - Switchgear Units
  - Linear Motion
- Plus many other industries requiring toothed rack.

**WHAT OUR CUSTOMERS SAY**

We have developed a successful working relationship with Mini Gears which continues to be mutually beneficial and can recommend them as a reliable, communicative supplier who, to date, has continuously explored opportunities to improve service and costs.

**Stairlift Industry - UK**



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# CAPABILITIES



OUR CAPABILITIES & SERVICES:

## Now with over 100 machines

We offer you a range of CNC Machining Services from our 35,000 sq.ft. (3252m<sup>2</sup>) manufacturing facility in the UK. We continually invest in future capacity to compete in the markets we serve and support our customers' product lines.

### QUALITY ASSURED

We hold Certification to ISO 9001 & AS9100 and are committed to providing you with Quality Products, Value & Service. Our Technical Sales Team and Directors are always on hand to assist you with engineering challenges and, if required, will give you assistance with design at the start of your project when costs are being evaluated. We look forward to hearing from you.

For more information about our **Capabilities** and to see our current **Plant List**, please visit our website then contact us for a quotation:

Visit: [www.minigears.co.uk/capacity](http://www.minigears.co.uk/capacity)

Email: [enquiries@minigears.co.uk](mailto:enquiries@minigears.co.uk)

Call: **+44 (0) 161 432 0222** and ask for Technical Sales

- 5 Axis 'one hit' CNC Machining
- CNC Gear Grinding
- CNC Gear Cutting
- CNC Rack Cutting
- CNC Turning
- CNC Milling
- CNC Gear Checking
- CAD/CAM Facilities
- Lean Manufacturing
- Technical Support



# FOR AN INNOVATIVE APPROACH TO SUBCONTRACT MANUFACTURING



If you would like us to quote for your requirements or need some technical advice:



Send your **drawings / 3D models** and **quantities**



Email **[enquiries@minigears.co.uk](mailto:enquiries@minigears.co.uk)**



Or call us on **+44 (0) 161 432 0222** and ask for **Technical Sales**

**Come and visit us!**

35,000 sq.ft (3252m<sup>2</sup>) factory  
in the United Kingdom

Ideally located near  
Manchester Airport with  
good transport links to all  
major cities and ports

**MINI GEARS**  
**Components worldwide**  
UK & Global manufacture

SUPPLYING  
WORLD-WIDE

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