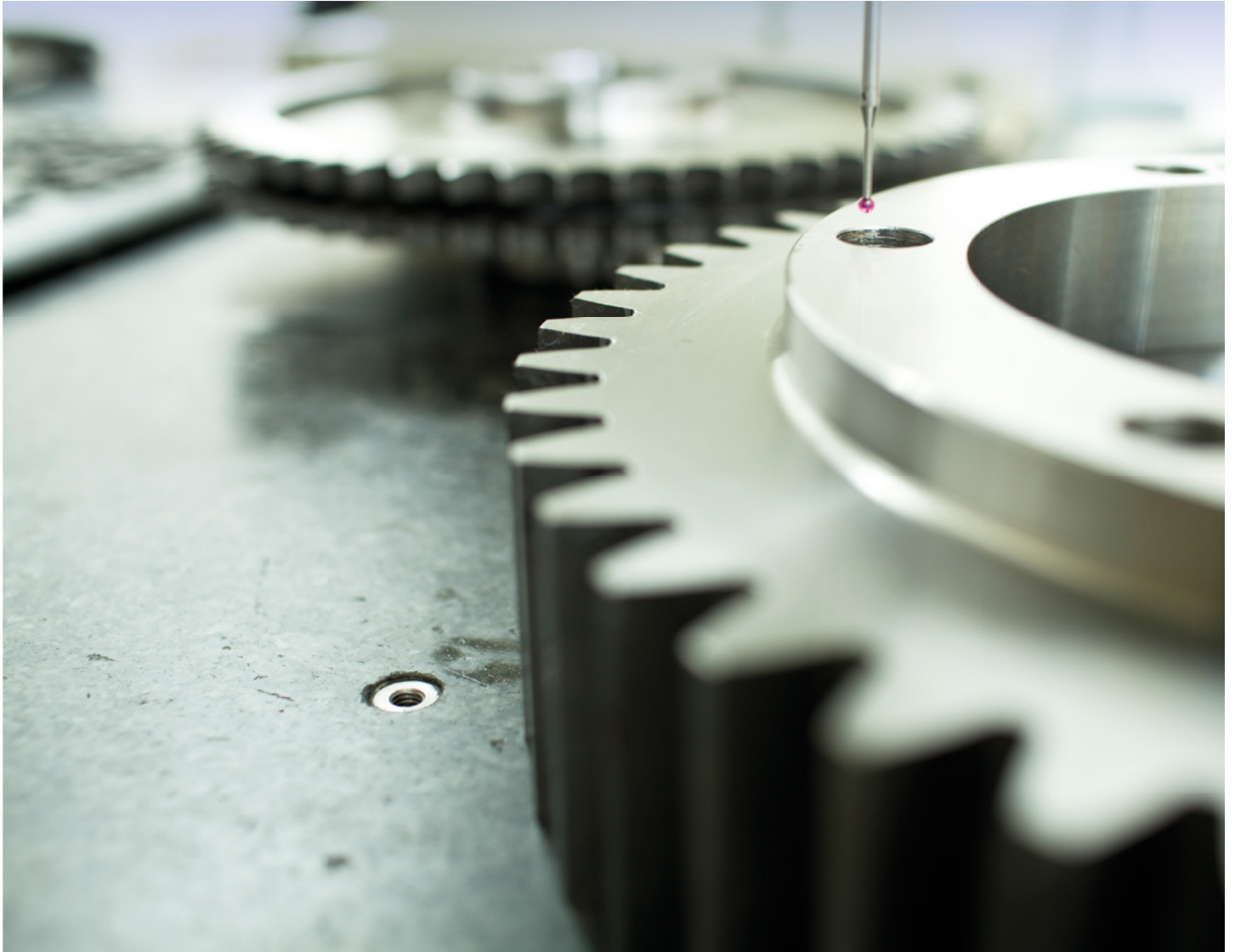




World Class Precision Engineering



PRECISION GROUND GEARS  
AND MACHINED PARTS

Established in 1973 Brooks is widely recognised as one of the leading manufacturers of gears in the UK. The privately owned business is Head Quartered in Manchester and has manufacturing and sales facilities in Kuala Lumpur and Denver, Colorado.

A large range of precision gears, high performance conveyor chains, machined parts and adapted transmission chains are produced at the UK manufacturing facility.

#### Industries served:

MINING

RAIL

POWER GENERATION

POWER TRANSMISSION

OIL & GAS

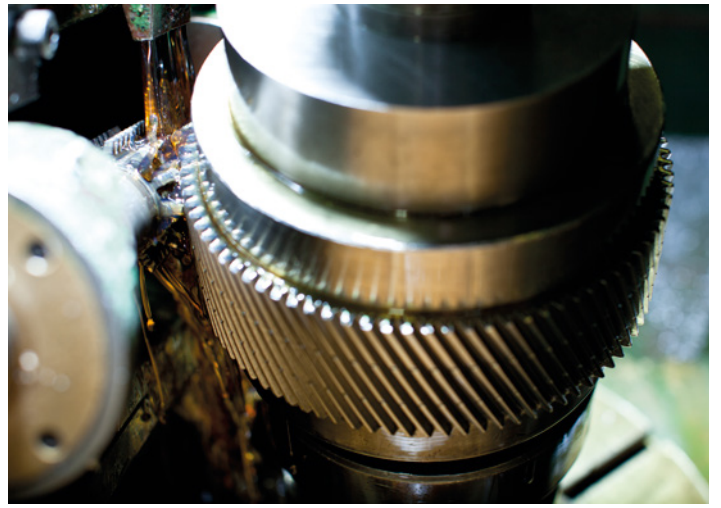
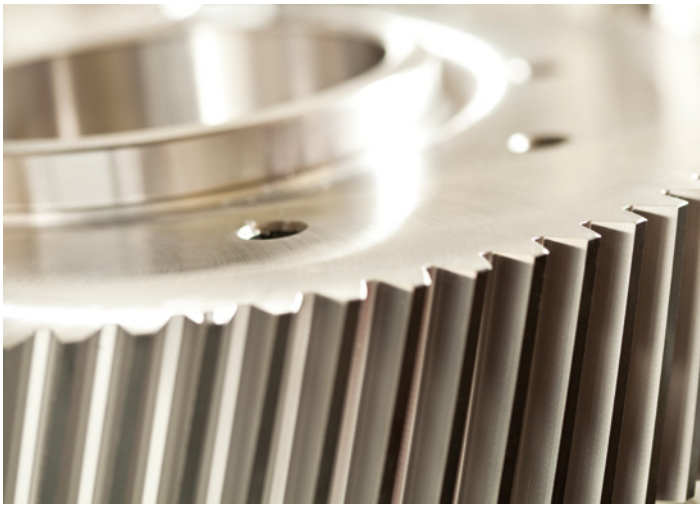
RENEWABLE ENERGY

AEROSPACE

HEAVY AUTOMOTIVE

FOOD & BEVERAGE





## PRECISION GROUND GEARS

BROOKS LIMITED HAVE BEEN SUPPLYING THE  
WORLD WITH PRECISION GROUND GEARS FOR  
OVER 40 YEARS

The gears we produce are of the finest quality and our customers are regularly ordering gears to ISO 1328-2 Grade 3. To achieve this we insist on the highest standard of tooling and consequently all of our gear grinders are Hofler (a division of the Klingelnberg Group), the World leading manufacturer of these machines.

Our longstanding association with Klingelnberg has been critical in allowing Brooks to become one of the country's leading precision gear manufacturers.

The largest of our gear grinding machine, a Hofler Rapid 1250, can grind gears up to 1,500mm in diameter by 1000mm face width. With an impressive maximum table weight of 8 tons and a maximum pitch of 35 MOD this machine is one of the largest in the United Kingdom.

After grinding all of our gears are qualified on a full CNC Gleason M&M Sigma Series Gear Checker, which graphs the gears in a dedicated, temperature controlled, inspection room. This machine confirms the quality we achieve for every gear we gear grind, whilst its independence optimises the capacity of the gear grinders.

**[www.brooks.ltd.uk](http://www.brooks.ltd.uk)**









## MACHINED PARTS

BROOKS LIMITED ARE MUCH MORE THAN  
HIGH PRECISION GEAR MANUFACTURERS

ISO 9001:2008 registered, Brooks Limited offer technical support to all of our customers, aiding with the design and development of components whilst offering the most cost effective manufacturing options.

Constantly expanding, recent acquisitions such as 3 Mazak machining centres, make Brooks Limited one of the most technically advanced and diverse machine shops in the country.

Using the latest CNC machine tools and technologies Brooks Limited supply components into all facets of industry. Rail, Oil and Gas, Printing, Mining, Pumping, Heavy Industry and Renewables are just a few of the sectors we are actively involved in. We are very familiar with producing precision machined components into these exacting industries and in many cases we are customer qualified to the most arduous of industries including Nuclear!

It is true to say that Brooks Limited are considered to be the preferred supplier by many Worldwide companies. Our experience and knowledge is unrivalled and the quality of our work is second to none.

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## GEAR PROFILING

Hofler Rapid 1250  
Hofler H1000E

## GEAR CUTTING

Gear hobbers: spur and helical gears  
Gear shapers: spur  
helical (internal and external)  
double helical  
Gear planning: spur  
helical  
double helical  
Bevel generators: straight and spiral  
Tooth rounding and chamfering

## MACHINING

CNC turning: Colchester 6000  
Colchester K4  
Colchester K2  
Doosan Puma 2600SY x 2  
Doosan Puma 2600L  
Mazak Quickturn Smart 350M  
Mazak Megaturn Nexus 900M  
Tornado T8MSY  
Sliding head CNC: Star SR32 x 3  
Star SST 16  
Manual turning: DSG x 4  
48" Webster Bennett  
Vertical Machining  
Centres: Bridgeport 1000  
Bridgeport 760  
CME FS-0  
5 axis machining: Mazak Variaxis i-700T

## CYLINDRICAL GRINDING

Jones & Shipman Suprema 650U  
Jones & Shipman 1300X

## WIRE EROSION

Accutex SP-500i

## INSPECTION

CMM: Aberlink Axiom Too x 2  
Aberlink Zenith Too x 1  
Gear inspection: Klingenburg PFSU 1250  
Gleason M&M Sigma Series  
Gear Checker  
Portable  
measuring arm: Faro Edge Plus

## FREEZE FITTING

500 litre liquid nitrogen  
storage tank

## GENERAL ASSEMBLY

75T press  
50T press





World Class Precision Engineering



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