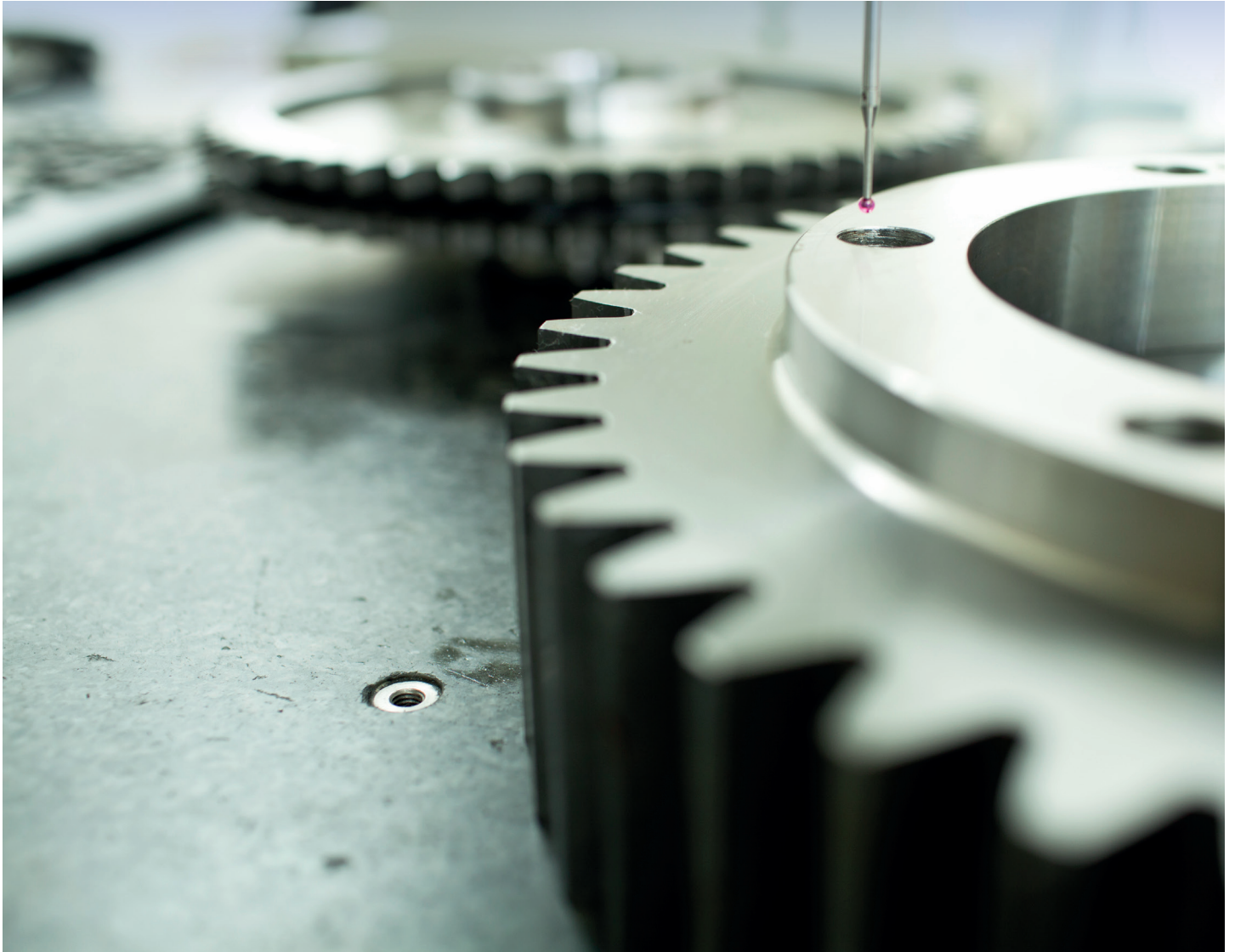




World Class Precision Engineering



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.

The business has benefited from considerable investment in Mazak machining centres and can now offer companies within the UK, Europe and the US a reliable Precision Manufacturing Partner.

Our speciality is bespoke manufacture to customer samples and original designs with all work completed in accordance with ISO9001:2015



We are always delighted to welcome visitors to our Manchester site at any time to view our manufacturing facility and see our quality systems in action.

Industries served:

MINING

RAIL

POWER GENERATION

POWER TRANSMISSION

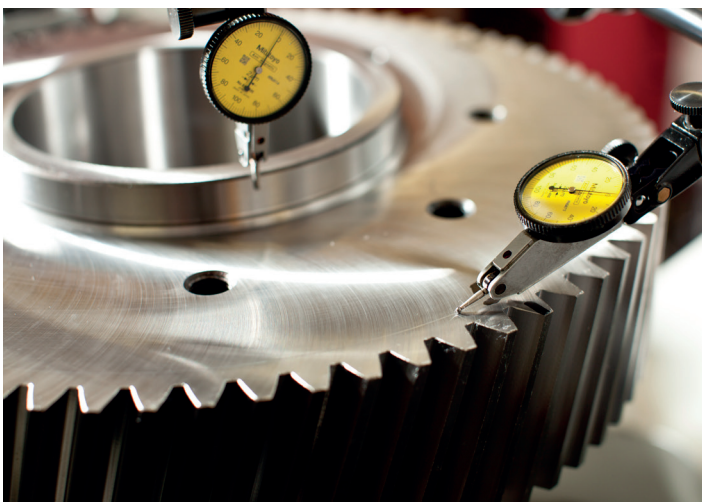
OIL & GAS

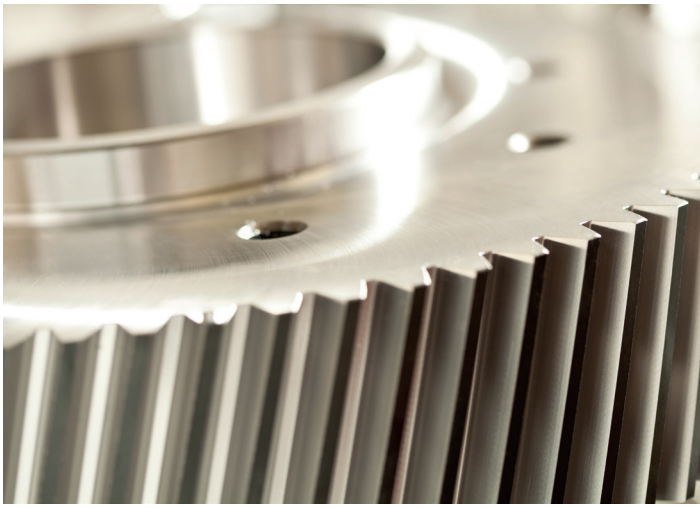
RENEWABLE ENERGY

AEROSPACE

HEAVY AUTOMOTIVE

FOOD & BEVERAGE





PRECISION GROUND GEARS

BROOKS LIMITED HAVE BEEN SUPPLYING THE
WORLD WITH PRECISION GROUND GEARS FOR
OVER 50 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 our gear grinders are Hofler (a division of the Klingelnberg Group), the World leading manufacturer of these machines.

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

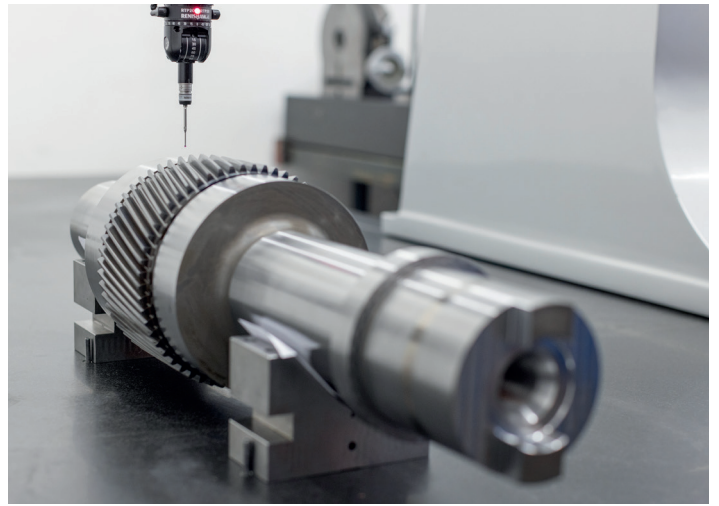
Our largest gear grinding machine, a Hofler Rapid 1250, can grind gears up to 1,500mm in diameter by 1000mm face width. With an impressive maximum table weight of 8 tons and a maximum pitch of 35 MOD this machine is one of the largest in the United Kingdom.

After grinding all 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







MACHINED PARTS

BROOKS LIMITED OFFER TECHNICAL SUPPORT TO ALL OUR CUSTOMERS, AIDING WITH THE DESIGN AND DEVELOPMENT OF COMPONENTS WHILST OFFERING THE MOST COST EFFECTIVE MANUFACTURING OPTIONS.

Following significant investment, Brooks is one of the most technically advanced and diverse machining facilities 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, Packaging, 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.

We are very fortunate to work with a number of leading International companies within their field and pride ourselves on providing a reliable service of exceptional quality.

www.brooks.ltd.uk





GEAR GRINDING

Hofler Rapid 1250
Hofler H1000E

GEAR CUTTING

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

MACHINING

Machining Centres:

3 Axis: Mazak VCN 430A
4 Axis: Mazak VCN 530C
Mazak VCN 700
5 Axis: Mazak VTC 800 20SR
Mikron HPM 1350U

CNC turning: Mazak Quick Turn 200
Mazak Quick Turn 200L
Mazak Quick Turn 350M
Mazak Quick Turn 350MA
Mazak Quick Turn 350MB
(with 35Kg Robot)
Mazak Quick Turn 450-11M
Mazak Megaturn 500
Mazak Megaturn 500MS
Mazak Megaturn 900M
Mazak MegaTurn 1600M

CNC Mill/Turn: Mazak Integrex j-200s
Mazak Integrex i-400
Mazak Integrex i-400 x 2500
Mazak Variaxis i-700T

Sliding head CNC: Star SB-20R

GRINDING

Jones and Shipman 1300X
Jones and Shipman Suprema 650
Springfield 36 CNC – XL
Robbi Omnicrom E T6 x 2030

WIRE EROSION

Accutex SP-500i

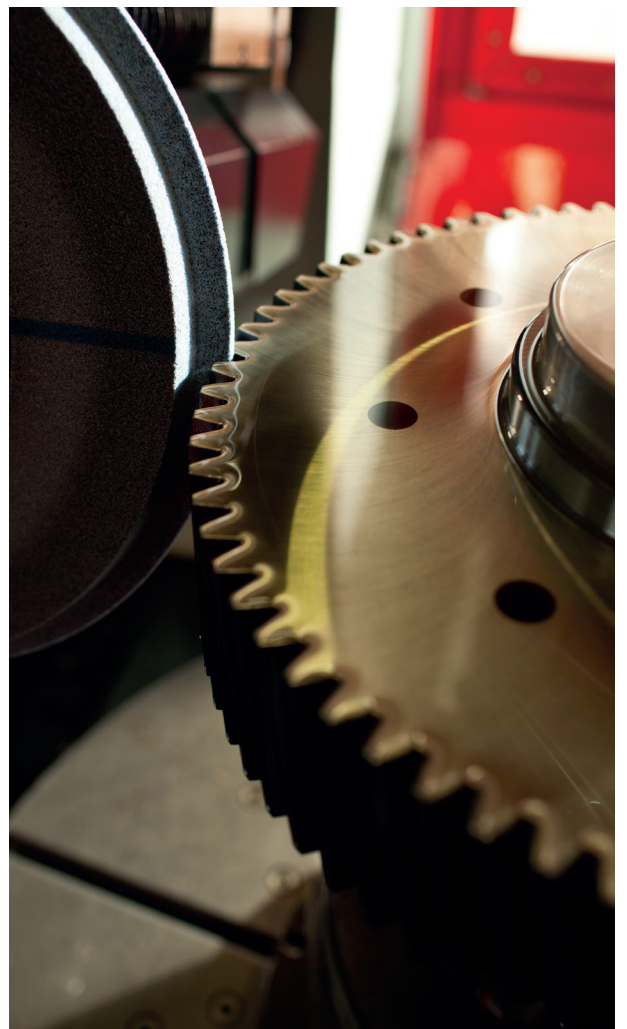
INSPECTION

Multiple Zenith Axium CNC CMM's
M&M sigma 15 gear inspection

FREEZE FITTING

500 litre liquid nitrogen
storage tank

For a more detailed view of our capacity, please visit
www.brooks.ltd.uk and take a look at the drone video.





World Class Precision Engineering



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