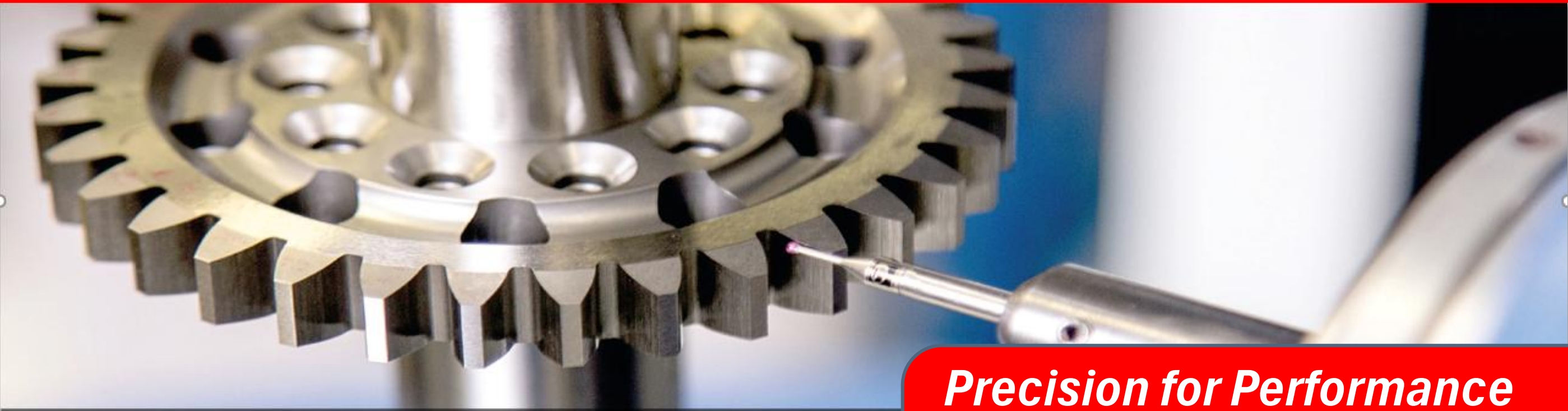


INDUSTRY LEADERS FOR OVER 50 YEARS IN QUALITY AND MANUFACTURE



Precision for Performance

Single micron precision gears, splines & threaded rotary components for high consequence, demanding applications

www.precisiontechnologies.co.uk


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TECHNOLOGIES
ENGINEERED PRECISION

 Part of the **PRECISION** ENGINEERING SOLUTIONS GROUP

Why Our Customers Work With Us

Companies work with us when they need:

- Single-micron precision on gears, splines and threaded rotary parts
- To reduce or eliminate a high risk (cost) of consequence from their project/products
- 'Perfect parts' – components that are manufactured 'right first time' and can effectively be used with total peace of mind
- Parts which can retain performance whilst operating in demanding applications
- Support of a supplier with over 60 years proven track record across a range of industries
- Design evaluation and validation to ensure a component will do what it needs to versus a manufacturer only 'making to print'
- Small to medium batch volume production capability
- Specialist offload gear cutting, grinding, turning, milling and/or threading



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What We Do

We manufacture high precision ground gears, splines and threaded rotary components for engineering projects where performance and reliability are needed, especially where there is a high risk of consequence (part performance is mission critical)

Markets

- Motor Sport
- Automotive
- Aerospace
- Space
- Defence
- Energy
- Oil and Gas




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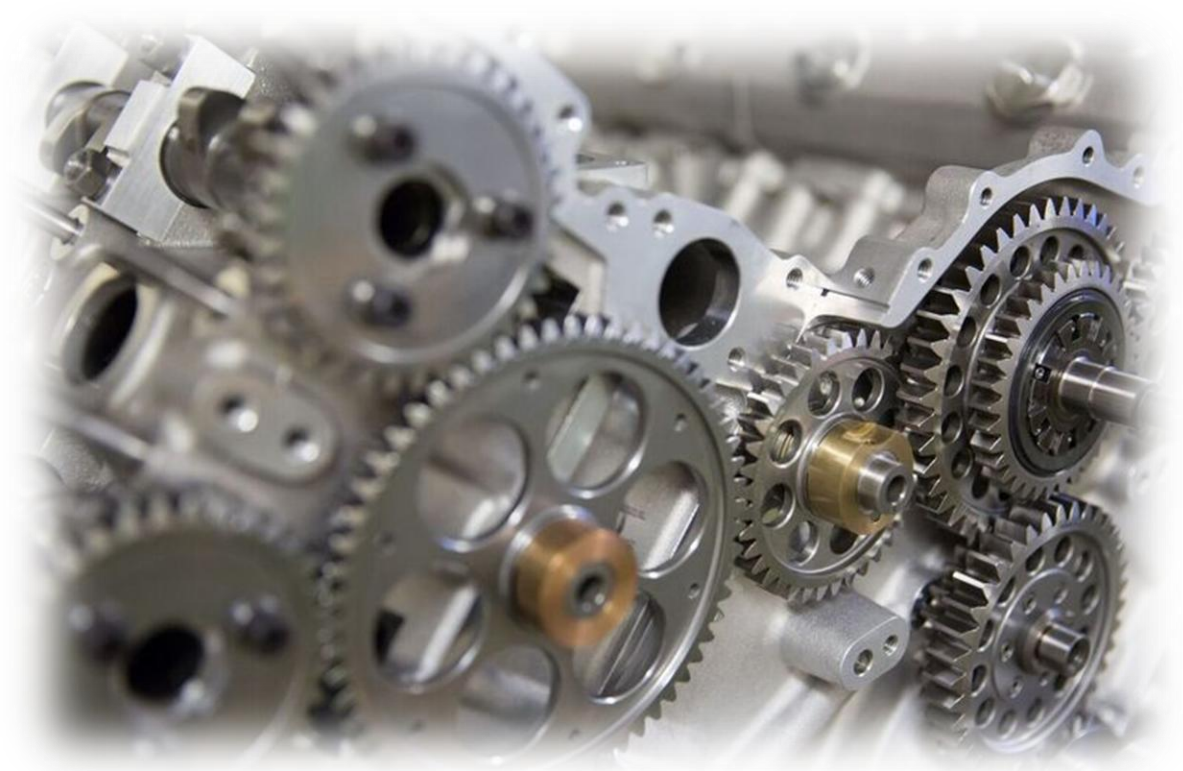
Motor Sport Components

Tier one supplier to Formula 1

Manufacture of high precision components,
e.g. complex drive, suspension, hybrid and
engine components

Other Motor Sport areas:-

WEC (LMP1 & 2), World Touring Car, Formula E,
WRC Rally, Moto GP and Historic racing




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Automotive: Inspection Gauges & Gears

Design & manufacture inspection spline gauges & Spur, Helical, External and Internal Master Gears

Gears & gauges can be manufactured to customer's drawings or designed in-house from product gear and spline specifications

In-house UKAS (ISO 17025) accredited laboratory calibrated to national / international standards




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Aerospace & Defence Components

Precision components for the Aerospace industry

AS9100 accreditation gained into 2020, JOSCAR registered

Specialised machining of splines, gears, threads and worm threads

Small batch production runs, prototypes, for development or spares

Customers include Rolls-Royce, Collins, Leonardo and QinetiQ




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Oil & Gas Gauges

Supplying some of the largest users of specialist gauging in the world

A full calibration, re-calibration and re-work service is available to complement the supply of new gauges

State of the art inspection facilities and one of the best equipped independent tool rooms in Europe resulting in a reliable and accurate in-house service




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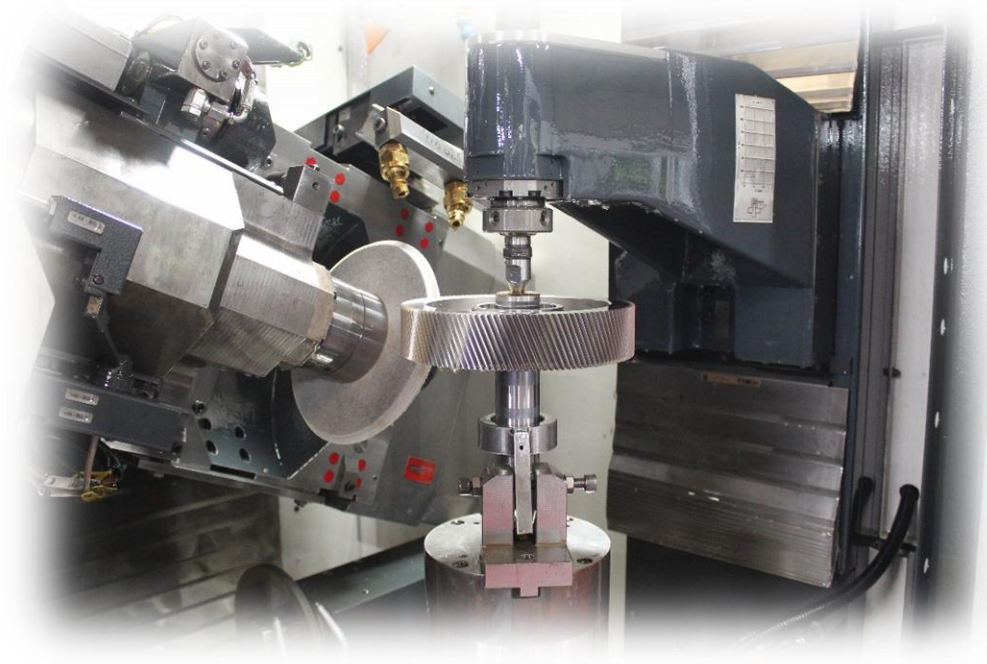
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Offload Services

As well as undertaking full manufacturing of components our plant and equipment enable us to offer processing of one, two or any number of operations.

CNC processes include; Turning, Milling, Gear and Spline Cutting, Cylindrical Grinding, Gear and Spline Grinding plus Thread Grinding. We also offer Wire Erosion/Spark Erosion[EDM] and Super Finishing as well as managing subcontracted processes such as Heat Treatment.

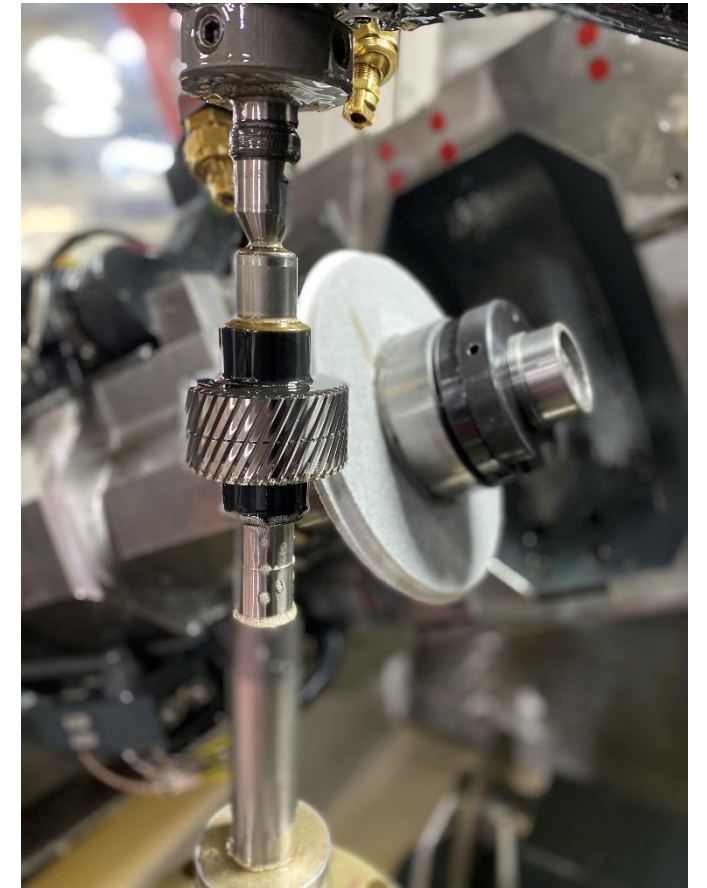



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Fully Equipped Machine Shop




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Why Our Customers Choose Us:

Precision – grinding Master Gear standard (typically $<5\mu$ - can achieve $<1\mu$ tolerance)

Expertise – we are a 'safety net' on design/application concerns, bringing 'design for manufacturability' expertise ensuring components perform as required

Knowledge - gained across a range of demanding industries

Trusted – we supply 'mission critical' parts for the most challenging applications

Flexible - one-offs to medium batch production capability

Peace of Mind – via in-house inspection capabilities to UKAS (ISO 17025)

Proven – our track record of excellence stretches back over 60 years




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Precision Engineering Solutions (PES) Group

PTI is part of the PES Group together with our sister company, Langstone Engineering. Our group core values are:

Collaboration • Expertise • Integrity

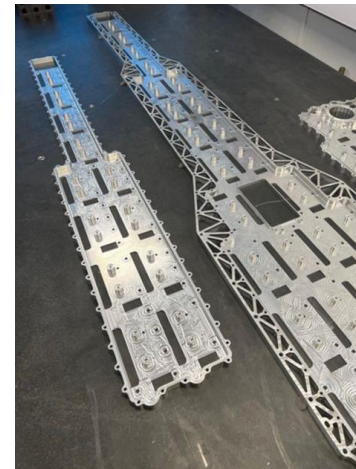
Langstone Engineering are specialists in producing precision machined parts in a range of materials, often with complex geometries within short lead times as well as rubber mould tooling plus prototype and production jigs & fixtures

More details on their capabilities can be found at:

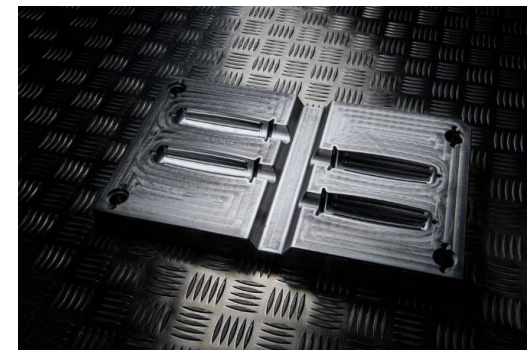
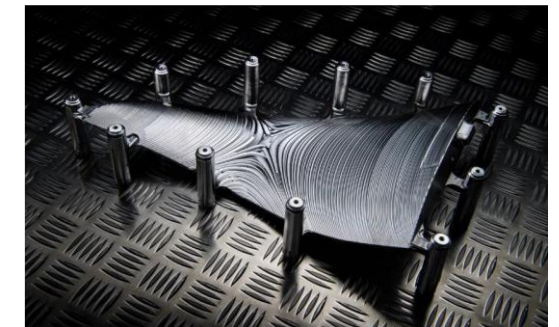
www.Langstone-engineering.co.uk

E: production@langstone-engineering.co.uk

Tel: 02392 452430



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*“We look forward to
working with you”*


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