

Agra Precision Engineering Ltd



15 Ure Street
Dundee
City of Dundee, Angus DD1 5JD
United Kingdom

Phone: 01382229333
Fax: 01382226918

Agra Precision Engineering Quality is at the heart of all Agra Precision Engineering's Business Activities. Agra are firmly committed to providing services that can always be relied on to meet customer needs. Moreover, Agra are determined to be leaders in their business environment in anticipating and meeting the evolving needs of their customers. Agra Precision Engineering Co. Ltd. was established in 1963 with the purpose of providing a specialist machining service to the Motor Trade. The Company expanded and moved to its present premises extending to 7800 square feet in 1980. Still specialising in the motor trade the Company also undertakes light engineering work to a variety of clients from textile mills to oil rigs. The Company are committed to maintaining an auditable quality system that complies with ISO 9002:1994. Employees are actively encouraged to suggest improvements to the Quality System. It is mandatory for all employees to perform all work in accordance with the Quality System. We offer a wide range of services within the engineering sector. Engineering
Our well equipped machine shop can carry out a wide array of engineering tasks that include:

- Crankshaft Regrinding
- Supply and Fitting of Bearings
- Supply and Fitting of Thrust Washers
- Boring Honing and Fitting Piston Rings
- Supply of Pistons
- Boring of Piston Sleeves and Fitting

- Supply of Piston Sleeves
- Remetalling of Con-Rods and Machining to size
- Aligning and Reconditioning of Con-Rods
- Pressing in small-end bushes and honing to size
- Fitting pistons to con-rods
- Balancing of crankshafts
- Surface grinding cylinder heads
- Machining for valve inserts and pressing in
- Regrinding valve seats
- Refacing Valves
- Metal spraying of journals
- Turning fly wheels and brake drums
- Assembling Short Engines & Cylinder Heads
- Complete Engine Assembly
- Marine Cylinder Head Overhauls
- Crane Equipment Overhauls

Engineering Process

Our highly skilled team of engineers form the backbone of our company. Every member of our dedicated team takes great pride in every single job they do, ensuring that the high quality of workmanship we are renowned for continues. All of our work conforms to or surpasses the expectations of the FER and ISO 9002 standards. Due to the vast experience of our engineers and the versatility of the workshop we can take on marine, automotive and in some cases

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Our Engine Department can handle all types work:

- Full Engine Rebuilds
- Lightening & Balancing
- Blue Printing
- Gas Flow Cylinder Heads
- Tuftride Crankshafts
- Full Dyno Services
- Lead Free Conversions
- On all types of engines, for example:
- Ford x Flow
- Ford BDA
- Porsche
- Subaru
- Mitsubishi
- Vauxhall 16V
- Nissan GTR
- All Std. Road Car Engines

Engine Testing

Our engine testing facility caters for all engines large and small. We have three dynamometers which allow us to test and tune anything from a 50cc two stroke engine to a 500HP V8. So whether its fault meeting running in or high performance tuning

we have the equipment, technology and experience to cater for your needs.

Gear Cutting Department

The gear cutting department was established many years ago when we bought over Gilchrist Bros. This department specialises in one-offs and can tailor make gears to your exact specifications. We have the capabilities to produce:

- Spur Gears
 - Worm Gears
 - Worm Shafts
 - Helical Gears
 - Bevel Gears
 - Keyways
 - Spline Cutting (Internal & External)
 - Slotting
- If you have any further technical enquiries please do not hesitate to contact us.

Vintage Engines Thanks largely to the skills of our engineers our vintage department

can cater for almost any vehicle. We carry out engineering work for many restoration specialists not to mention the high volume of work we receive from enthusiasts across the country. Our extensive experience has seen us work on;

Rolls Royce Phantoms, Aston Martins, Riley's, Bentleys and Ferrari's to name but a few. We also do competition work on vintage vehicles. One of our recent triumphs

was the Frazer Nash project turning a fairly mundane unreliable 47HP engine into a class winning 107HP machine. We have the expertise to handle any work from minor repairs to full refurbishment on almost any vintage vehicle engine. We have worked

on vehicles from a Ford Model "T" to a Rolls Royce Silver Ghost, A 1902 Gladiator, A 1926 Meadows fitted to a Frazer Nash & many more. Parts Department Our parts department pride themselves on their ability to provide hard to find items due to our huge lists of suppliers and services. We can usually source parts for anything

whether its a 1903 Gladiator or a 2002 Nissan Skyline import. We also provide tailored estimates for custom development engines. Each job is costed on an individual / unique basis. We are more than happy to advise on any projects/problems where the customer is experiencing difficulty or is unsure which is the best direction to take. Some of the Services we Offer Include:

Engine Rebuilding and Reconditioning Dundee • Gear Cutters Dundee • Vintage Engines Dundee • Competition Engines Dundee • White Metallurgy Dundee • Engine Rebuilding and Reconditioning Scotland • Gear Cutters Scotland • Vintage

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Engines Scotland • Competition Engines Scotland • White Metalling Scotland
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