



THE RIGHT CHOICE

ABOUT US

AIM for General Engineering was established in the Egyptian coastal town of Hurghada in 2010 and is rapidly establishing itself as the Red Seas only facility dedicated to marine and automotive mechanical engineering.

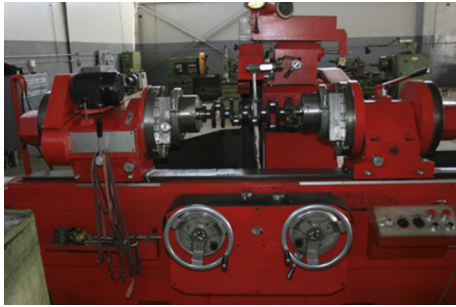


Our 800+m² workshop has all of the necessary equipment for us to offer a full range of high quality, efficient and reliable services in the repair and overhaul of engines, gearboxes and drive systems for vehicles, boats, compressors and generators.

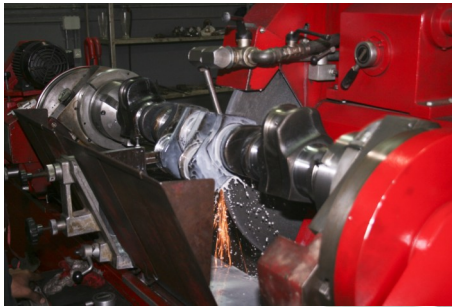
All of our technicians are specifically trained and experienced in their particular field ensuring you benefit from the highest level of expertise regardless of the task being undertaken by us.



CRANKSHAFT AND CAMSHAFT GRINDING



AIM is the only company in Hurgada and the Red Sea area that can offer the very specialized activity of machining and grinding the bearing journals on crankshafts and camshafts from fuel or diesel engines undergoing overhaul.



All of the finishing work is undertaken by trained and experienced technicians and is done within recommended manufacturer's tolerances to ensure proper bearing fit.



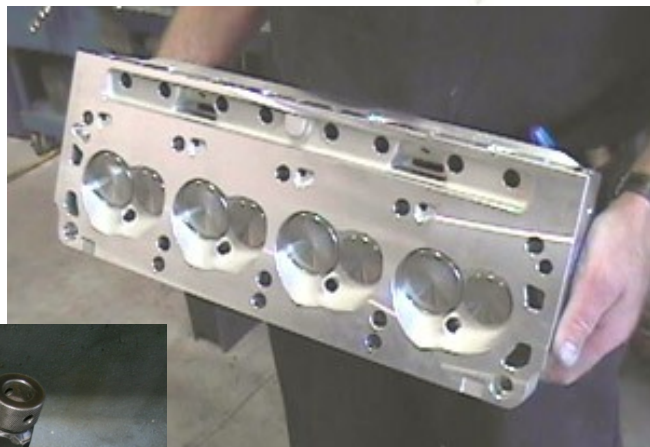
VALVE AND VALVE SEAT GRINDING

Regrinding and refitting of pre-used valves or the installation of new valves in to cylinder heads requires absolute precision and attention to detail.



Modern valve re-facing and reseating methods bring sealing surfaces in to nearly full contact.

Completing the process by machine will ensure the correct angles and profile are on both the valve face and cylinder head.

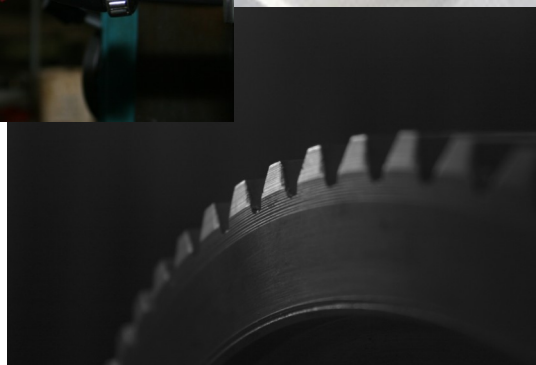


MILLING AND GEAR CUTTING

Vertical and horizontal milling of raw materials is carried out with ease providing the workshop with a flexible way of producing in-house spares, replacement components and custom designed items in many materials.



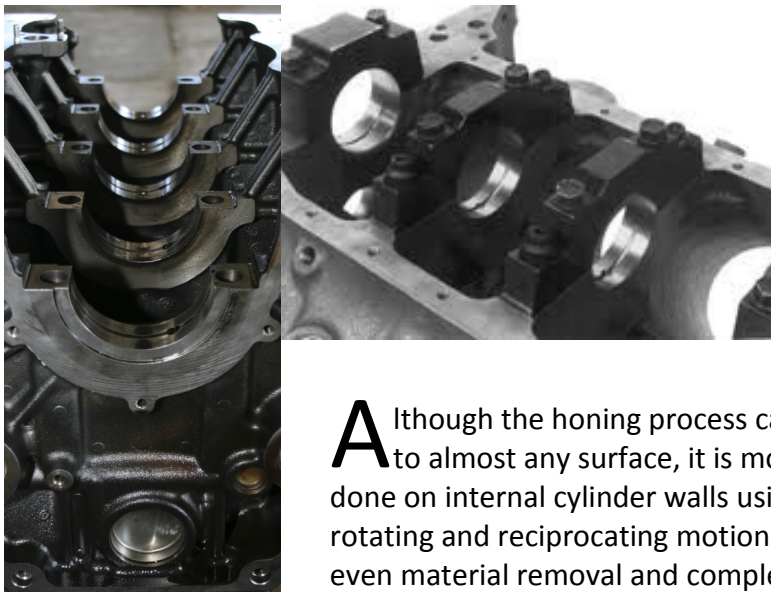
The machine is also equipped with a rotating work table and can be fitted with an indexing head which together provide the necessary configuration for the cutting of gears, both straight and helical.



VERTICAL AND HORIZONTAL BORING AND HONING

The boring process is primarily the process of using a single point tool to enlarge and locate a previously made hole. Boring machines can also be used for drilling, facing, milling, etc.

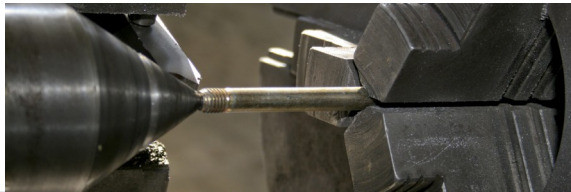
Whilst essentially similar to a drill press, this machine offers a far greater accuracy than any drilling machine with its precision and ability to drill deep holes.



Although the honing process can be applied to almost any surface, it is most commonly done on internal cylinder walls using a combined rotating and reciprocating motion to ensure even material removal and complete cylindricity at the end of the process.

LATHE WORK

Ever since the Egyptians created the first primitive lathes back around 1300BC, they have been an essential addition to any workshop. They have the versatility of being able to machine along the length, face or internal diameter of work pieces, can remove material ready for other machining processes or work to a high quality finishing standard.



Whilst the smaller lathes are perfect for the more intricate turning work and thread cutting on a regular daily basis, the long bed lathe is specifically designed for machining longer than average components. The continuous, single piece bed means that whatever the length of the work piece both ends of the machine are always in line.

METAL CUTTING, WELDING AND FABRICATION

To support all of the other available workshop processes we are also able to cut sheet steel up to 20mm thick in our power guillotine and bend up to 18mm thick in the hydraulic press.



Plasma cutting and a range of welding and fabrication techniques are also available at AIM.



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