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## WHAT PTL OFFERS

*Pankhurst Trading Ltd. is a local manufacturer and supplier of precision tooling. A particular forte is high accuracy, intricate work involving hardened tool steels and tungsten carbide.*

*PTL is experienced in making and supplying a wide variety of parts in tool steels, tungsten carbide, copper, brass, stainless steel, aluminium & plastics. Popular sizes of these materials are held in stock.*

*PTL typically works with tools between 0,1kg to 100kg. Manufacturing lead times will reflect customers' requirements and the complexity of the job.*

*PTL is pleased to contribute an input into customer designs and visit customers if the situation demands. PTL will respond promptly to your enquiries with the aim of broadening an already long established reputation for the highest quality and competitively priced tooling. Experience includes the design and construction of special purpose machinery.*

Facilities available at PTL include:

- cylindrical precision grinding
- flat grinding
- individual-part shotblasting
- small-part barrel polishing eg stones
- brazing, welding
- adhesive bonding
- drilling and tapping
- crack detection
- hand engraving tools

bespoke machine designed & built by PTL



Office equipment includes A3 laminating, A2 plotting / paper cutting, CAD, A3 photocopying, scanning, magnifying equipment, label printing, A2 paper guillotining.

Courier collect service available for anyone wishing to send a parcel next day UK or international. Cheaper than the Post Office for bulky or heavier items and no need to travel to Budleigh!

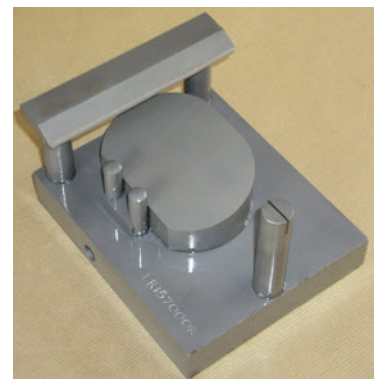
An example of work done for an Otterton resident was fitting new plates and welding, to repair a trailer in 2011. Other local work has involved preparing CAD files from sketches, and getting the parts machined to these drawings.



stainless steel shims regularly made by PTL

typical  
hardened steel  
checking  
jig made  
by PTL

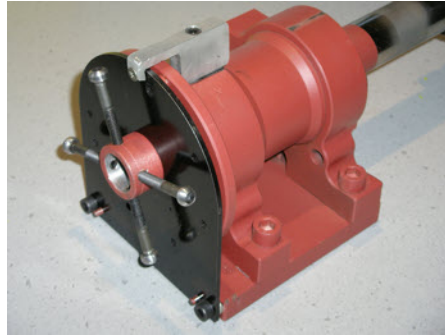
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< a plaque made for St Paul's Cathedral



1 of 96 rocker arms repaired by PTL to restore old aircraft engines



indexing unit designed & used by PTL



rollers with tungsten carbide outer rings fitted against wear

*Nationally, PTL has experience in the manufacture of:*

- *powder metal / ceramic (sinter) tooling*
- *non-standard gear forms, including helical punches and dies*
- *design and manufacture of special purpose machines*
- *precision press tools*
- *turned, ground and polished long tapered mandrels & slender sections*
- *ground, spark eroded and polished hard-metal tooling*
- *extrusion dies for ceramics, aluminium, steel & plastic*
- *helical dies for spiral extrusions eg through-hole coolant drill blanks*
- *inking / coating dies for optical fibres*
- *refurbishment of ceramic tile moulds*
- *tap and drill removal, small hole drilling / tapping of hardened metals*
- *deep hole gun and ejector drilling*
- *flat and cylindrical grinding*
- *precision brass templates for Diaform, copy turning etc*
- *copper, graphite, copper tungsten (EDM) electrodes*
- *3-D electro-chemical machining (ECM) electrodes*
- *abrasive wear plates (including refurbishment with T/C strips)*
- *dies for ceramic, textile & cement slurries*
- *ground & polished profiles on hardened ejector pins*
- *press tool punches with various profiles and face forms*
- *jigs, fixtures and non-Namas gauges*
- *metal shim and thin metal precision profiles, however intricately shaped*
- *making punches and dies for pressing pharmaceutical tablets*
- *brazed parts, fine shotblasting*

steel ring with tungsten carbide inserts designed & built by PTL



tooling made for Exeter Company

wear rails designed & assembled at PTL

