

CNC Machining

Computer Numeric Controlled (CNC) machining is a process which rapidly produces precision parts from metals, plastics and REN materials. CNC manufactured parts are used for prototype designs and mechanisms, spare parts for machinery, tooling and fixtures.

Components produced by CNC machining are extremely accurate with manufacturing tolerances of +/- 0.2mm are achievable.

Precision CNC machined prototypes manufactured from production materials allow a client to validate a design ahead of commissioning tooling. Designs can be machined out of a wide range of metal and plastic materials. Quantities vary from one offs to short run production which can be used as pilot runs or to bridge the production time gap.

Jigs & Fixtures

Jigs and fixtures reduce marking, positioning and frequent checking on the assembly line. Jigs are used to guide tools and fixtures to locate and hold the work piece. Production engineers design the equipment for mass production with the aim to increase productivity whilst driving down unit costs.

The accuracy of CNC machining lends itself well to creating precise alignment, holding and guiding equipment. Precision dies can also be manufactured for checking fitment and limits.

Metals & Plastic

Metal components can be machined in aluminium, brass and steel to zinc alloys and stainless steels. Our experience with plastic components extends from ABS, Nylons, HDPE to highly polished machined acrylic.

The majority of materials are stocked as standard preventing unnecessary delays.

Spare Parts

Break downs with special purpose machinery and plant equipment can disrupt production and strangle cash flow. Typically these components are not kept in stock and need to be ordered and manufactured urgently. From a client's CAD files and drawings we can quote within eight hours and our lead times are regularly better than local manufacturers can achieve.

Prototypes

CNC prototypes created using production materials give designers and engineers a good understanding of a design and its elements ahead of manufacture. Performance testing in working environments produces superior results compared to

rapid prototypes using simulant materials.

Machined plastic and metal parts can be sand blasted, polished, plated and treated to enhance their marketing appeal.

[Read more...](#)

Production

Needing CNC manufactured parts as one offs, in low volumes or larger batch quantities we can assist. Parts can be finished to stated requirements and protective coatings applied, making them ready to slot straight into the production line. Allow us to increase your capacity during peak periods without your need to invest in costly capital equipment.

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