

CNC Milled Components Specification Sheet

Complex geometry made repeatable, with no tooling cost from the first part.

CNC milling removes material from a workpiece using computer-controlled machine tools, which is what makes complex geometry repeatable. It is the process for parts that cannot be turned: housings, manifolds, brackets and anything with features on more than one face. Parts are produced in aluminium and brass among other materials, with turning available where a component needs both.

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CNC Milling Parts

CNC Milled Components

CNC milling removes material from a workpiece using computer-controlled machine tools, which is what makes complex geometry repeatable. It is the preferred process for parts that cannot be turned: housings, manifolds, brackets and anything with features on more than one face. Parts are produced in aluminium and brass among other materials, with turning available where a component needs both processes.

Specification

Process	CNC milling with computer-controlled machine tools
Materials	Aluminium, brass and others
Secondary Process	Turning available
Strengths	Precision and repeatability on complex parts
Volumes	Prototype through to production

Key benefits

Complex Geometry Made Repeatable. Precision and repeatability are the reasons milling is chosen over fabrication for functional parts. The second part is the same as the first because the program is the same.

Turning Available on the Same Part. Components that need both a milled face and a turned bore stay in one shop, which keeps the datum consistent between operations.

Delivery Treated as a Commitment. The operation is run for efficiency and timely delivery, which matters when a milled part is the item holding up an assembly.

Accessible for Small Quantities. CNC milling has become efficient enough that intricate parts can be produced in small quantities without tooling cost.

Where it is used

Housings and enclosures machined from solid • Manifolds and valve bodies with internal passages • Brackets and mounting plates with tight hole positions • Jigs and fixtures for production • Prototype parts before committing to a casting or moulding tool • Machined components requiring both milling and turning

How To Enquire

Send the process rather than a model number: capacity or flow rate, the product being handled, the container format where relevant, and the utilities already on site. WhatsApp +86 150 5517 9418 or email sales@trueglowimaging.com.

Minimum order is one unit on the process, packaging, utility and crane ranges. Machined, fabricated and moulded parts are quoted from single pieces upward.