

CRAFTSMAN CRIBSHEET

Advantages of CNC Machining

Provided by W.H. Bagshaw Co. Inc.
in Nashua, New Hampshire

Computer numerical control (CNC) machining is one of the most versatile manufacturing methods, capable of producing parts and components with dimensional accuracy and complex geometries in varying quantities from a wide range of metallic and nonmetallic materials.

Precise Parts

State-of-the-art software programs create custom 3D designs, which control the CNC machine tool, creating parts with greater complexity and precision than traditional manufacturing processes.

Highly Repeatable

Because the CNC machine tool is controlled by a program, the machine can automatically repeat that process as many times as needed. Operator attention is needed only to maintain precision or accuracy as a result of tool wear.

Many Materials

CNC machining is capable of producing complex, highly engineered parts from a wide variety of materials, including steel, aluminum, brass, stainless steel and plastic. Specialty materials such as superalloys, titanium and various medical grades are also CNC machined.

Additional Processing

While most CNC machined parts are dropped complete, additional processes such as thermal treatments, plating, anodizing and oxide coating are also available for decorative and functional applications.



Computer Automated

Computer control eliminates variability caused by human intervention, while allowing the machine to run without direct supervision or manual intervention for hours at a time. A single operator can also monitor multiple machines at a time, enhancing shop floor productivity.

No Volume Too Great — Nor Too Small

CNC machines are capable of producing large quantities of parts according to exact specifications with great uniformity, making them ideal for large volume production runs of high precision parts. Yet they are nimble in setup, allowing them to be the economical choice for smaller volumes as well.

Excellent Affordability

CNC machining's high production speeds, need for minimal oversight and compatibility with a variety of materials make it an affordable option for any application requiring complex geometry, accuracy and precision.

Customizability

CNC machining is capable of producing an incredibly diverse array of parts, all according to client's exact specifications, meaning opportunities for customization are limited only by your imagination. ⊕