

Quality is obtained through good tooling, but beware...

Each application must be analysed adequately in order to choose the appropriate cutting tool. Depending on the material to be machined, the type of machine used or the profile to be cut, the use of the right tool will make you save time and money. A wise choice will allow you to obtain the maximum performance from your CNC machining center.

Beware of the heat !

Heat represents a destructive element for the cutting edge of your tool and it is essential to use the right parameters in order to avoid excessive friction. Once in operation, the tool must evacuate chips and not dust. In fact, it is the evacuated chip that moves the heat away from the tool. If the chip is too fine, you must increase the feed rate up until the moment that the finish quality is no longer acceptable. Then, gradually decrease the feed rate till you regain the desired finish quality. This is the right procedure to obtain maximum performance of your cutting tool.

Our representatives can help you in the choice of your next tooling by offering suggestions on different feed rates and rotation that will help prolong tool life without affecting finish quality.

Normand offers the most renowned brands in cutting tools for CNC machining centers, whether it is for standard tools or for special tools manufactured to your specific needs.

FS TOOL

Complete range of braised carbide and solid carbide tools, replaceable knives.

FS CRUING

Complete range of diamond tooling.

ONSRUD CUTTER

Complete range of HSS or carbide spiral tools.

TECHNIKS

Complete range of chucks and collets for CNC machining centers.

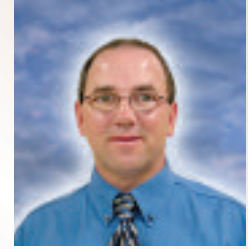
Beware to the cleanliness !

The chucks and collets used to adapt the cutting tool to the machine are of a capital importance in obtaining expected precision from your machining center because they form the link between tool and machine.

The chucks must always be spotless and should always be cleaned with a specialized petroleum free cleaner. The chucks and collets should never have traces of resin or rust on them and should be discarded if pock marks can be noticed due to tool shocks.

The life span of a collet is normally between 500 and 700 working hours.

We can supply you with new chucks and collets, brushes and products for cleaning and protecting specially developed for your tools.



Roger Bouffard
Cutting tools specialist

Roger Bouffard has been in the woodworking industry for over 28 years and worked many years for an important manufacturer in charge of moulders and sharpening of cutting tools.

Normand is proud to offer you this expertise.

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For all your routing applications in wood, plastics, composite materials and non ferrous metals, Normand has the tools and the expertise to suit your needs.



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