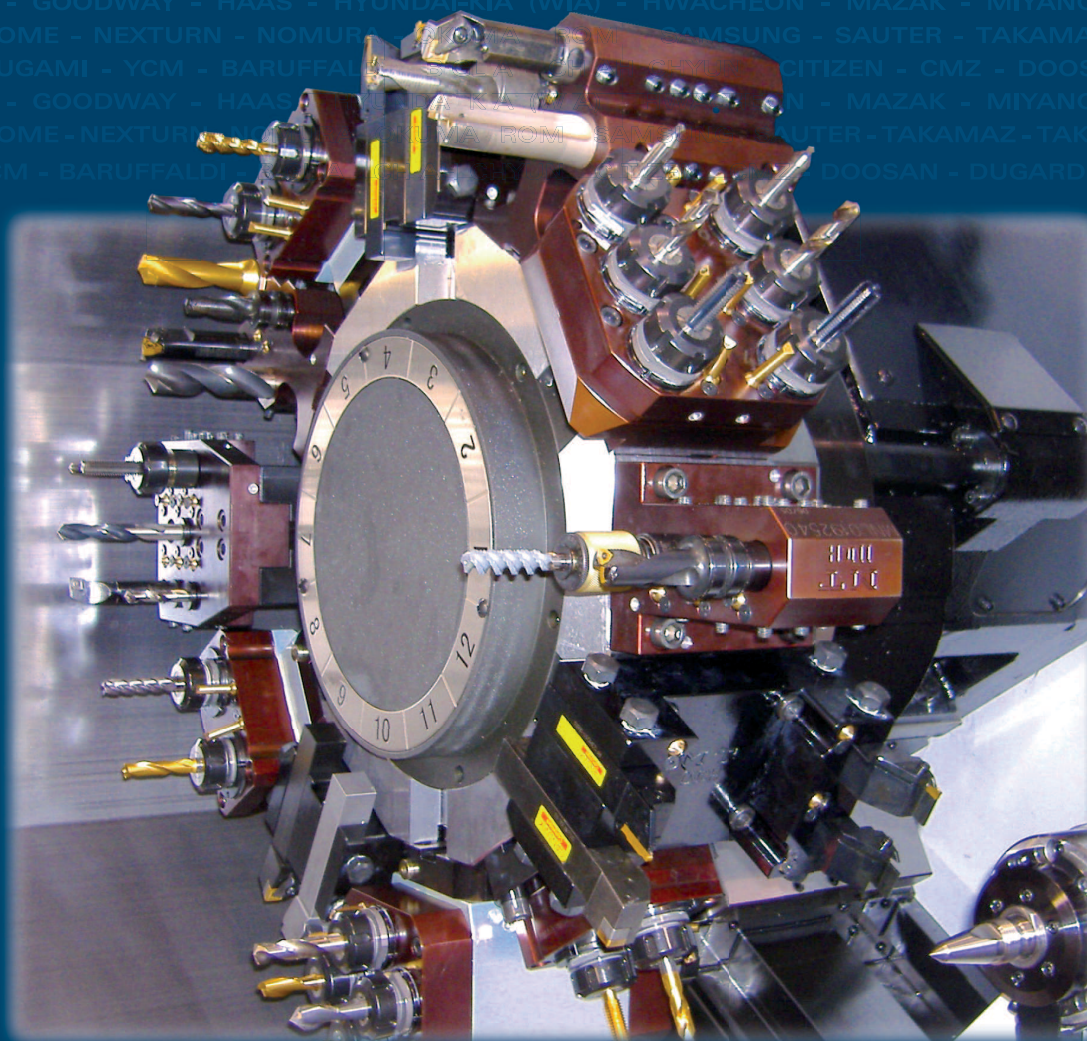




The MD logo, featuring the letters 'MD' in a bold, yellow, 3D-style font with a blue outline, set against a white oval background with blue and yellow swooshes. The number '10' is partially visible to the right.

tooling

Your Partner for
Tooling Solutions!



TWO YEAR FACTORY WARRANTY



About MD Tooling

MD Tooling was established in 2003 by partners Steve Dehnke and Wes McLucas. Leveraging over 35 years of machine tool experience and the desire to provide exceptional support and service to customers with tooling needs they established a partnership with M.T. Marchetti. Partnering with M.T. Marchetti, a world leader in innovative design and production of driven and static tools for CNC turning centers, allows MD Tooling to provide the very best to their customers.

Quality of Our Products

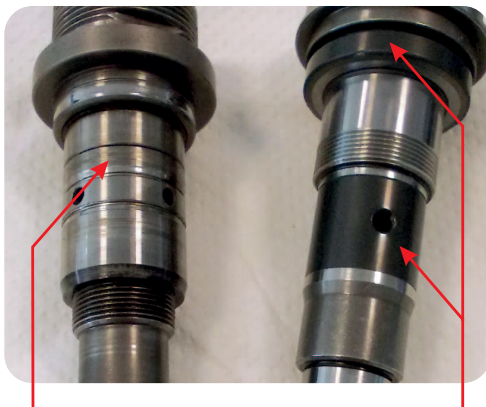
MD Tooling products are manufactured with our exclusive partner MT Marchetti in Italy where we follow a stringent quality system and inspection procedure, including:

- Verification of material type and traceability.
- Heat treatment certification.
- 100% inspection of critical components.
- Accurate measurement of roundness and concentricity on every single central shaft, therefore guaranteeing a 4 μm maximum run-out on every tool.
- Final inspection and testing on every driven and static tool.
- Laser etched individual serial numbers on the side of every driven and static tool, in order to identify the manufacturing and dispatch date.

Technical Solutions

We use only the best state-of-the-art technologies to maximize the performance, cutting capacities, and life of our products. Including:

- High accuracy and long lasting life bearings on every driven tool.
- Spiral bevel gear sets that are lapped together.
- Ceramic coating applied on all surfaces in contact with seals: corrosion protection, no deformation, maximum life of shaft, bearings and seals.
- Mechanical sealing with coated ceramic track for internal coolant up to 1,000psi.



Shaft used by
our competitors
WITHOUT
ceramic coating

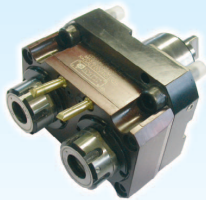
Shaft used
by MT WITH
ceramic
coating



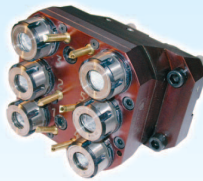


We Offer Multiple Solutions for CNC Lathes!

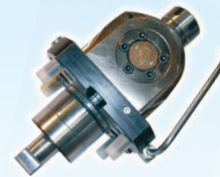
With more than 3,000 different models available, MD Tooling can offer a full range of static and driven toolholders to satisfy every possible machining application. Our factory also designs and manufactures special tooling for customer's specific needs and applications.



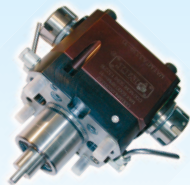
Radial single
side twin head
driven tool in Y



Radial 6 head
driven tool



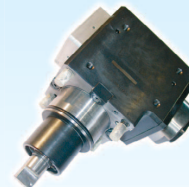
0-90° adjustable
angle driven tool



Opposite face
twin axial
driven tool



Radial driven
tool BMT45



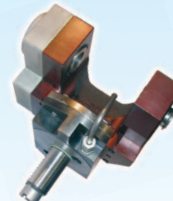
Axial driven
tool BMT85



Axial driven
tool BMT45



Radial driven
tool re-directed
by 36mm



Driven gear
hobber VDI30



Driven gear
hobber VDI40



Radial driven
tool VDI40 int.75



Axial driven tool
for LB2000



Axial driven tool
VDI30, DIN5482



Axial driven tool
VDI50, DIN5480

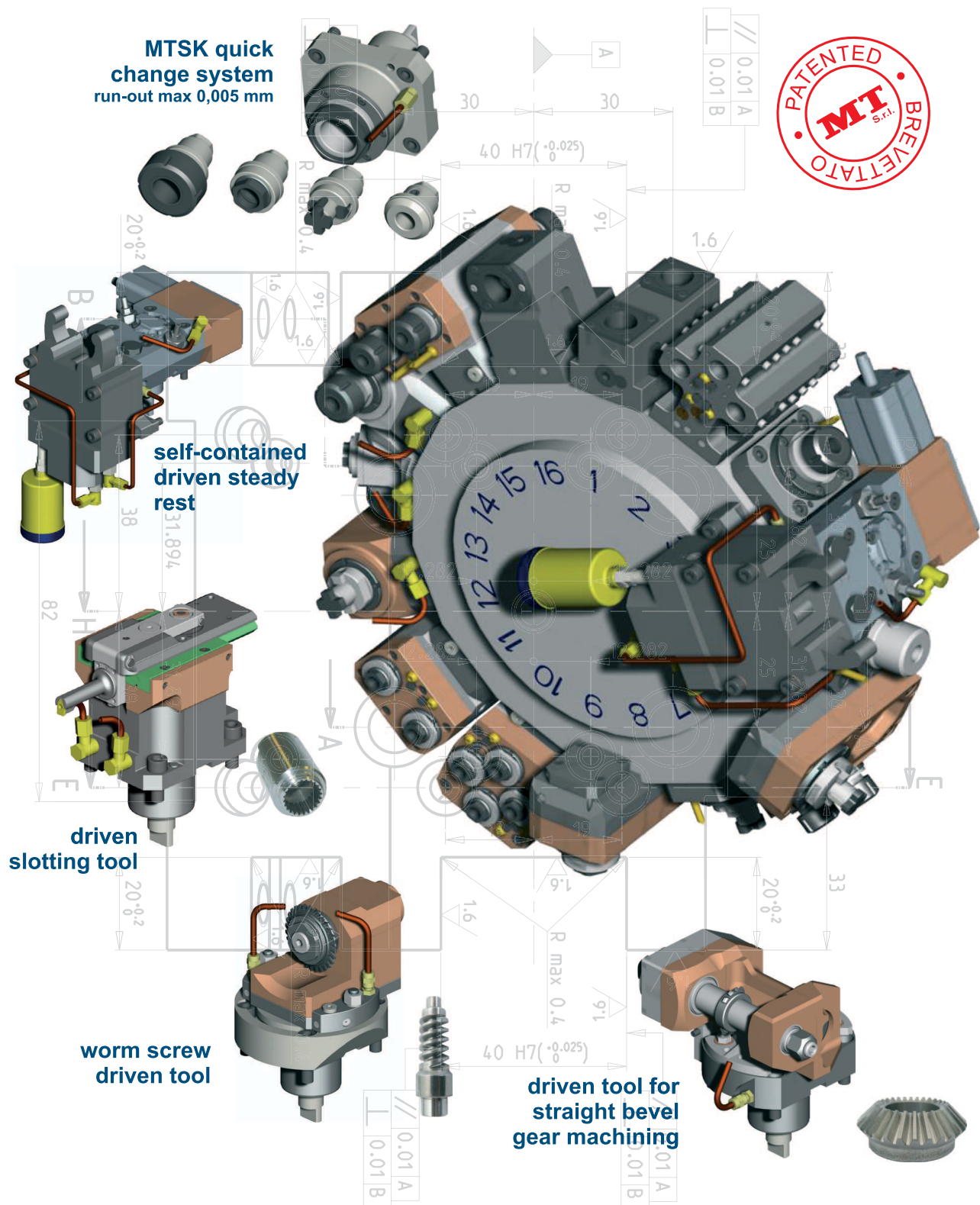


Radial driven tool
VDI30, DIN5480,
H=100

Our complete catalog is available online at www.mdtooling.com
Don't miss our application videos on [youtube.com/user/MDTooling](https://www.youtube.com/user/MDTooling)

tooling

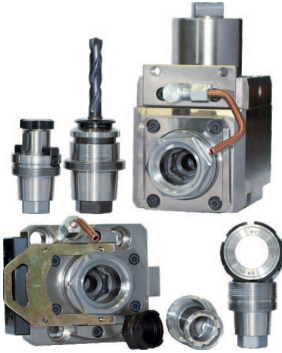
MD Tooling is Your Best Partner for Special Applications





MD Tooling is Your Best Partner for Special Applications

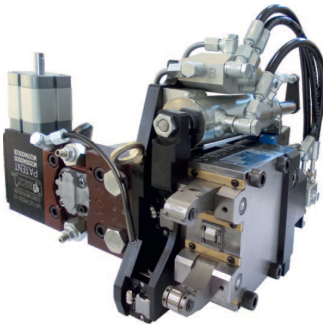
MD Tooling offers the most advanced technical solutions to improve the flexibility and machining capabilities of your machine. With our products, you can maximize the cutting parameters of your machines, reduce the machining and set-up times, therefore obtaining a shorter return on your investment.



Quick Change System

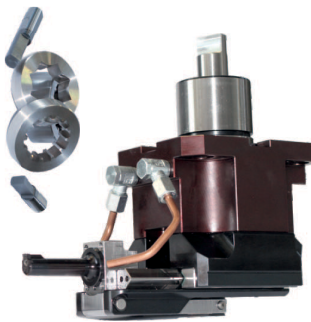
With MD Tooling's MTSK Quick Change Toolholder System, you are able to increase flexibility of your holder with a greatly reduced set-up time. The MTSK system is based on the HSK-T standard which offers the advantage of the taper and face contact, which is already tested and guaranteed. This modular system offers accurate tool positioning and repeatability as well as great rigidity and flexibility. The specially designed quick change clamping nut enables the modular tool adaptors to be clamped and ejected with the same wrench, effecting rapid tool changes. A full range of MTSK modular quick change tool holders are available including: ER Collet Chucks, ERA Collet Chucks, Shell Milling Adaptors & Weldon Adaptors.

MTSK powRgrip system: the optimal solution for tool clamping. New anti-rotation wrench to increase safety during tool clamping. MTSK system can be manufactured in the following sizes: MTSK-63, MTSK-50, MTSK-40 and MTSK-32. The modular tool holders can be used on any CNC machine fitted out with our MTSK driven holders, eliminating the need of a new driven tool for every application.



Sliding Driven Steady Rest

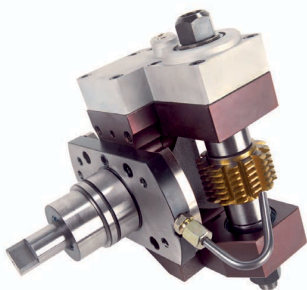
A useful accessory for the machining of long parts on CNC lathes provided with lower and upper turrets. Activated by the turret via driven tooling power. Developed to overcome interference issues on some machines and to work with the sub-spindle. Equipped with wireless safety devices to control the "parking" position and the complete steady rest opening. The wireless positioning sensors are self-fed by an internal battery with a 5-year or a million cycle life. Clamping pressure is regulated by means of a dedicated valve. No need for piping or rotating cables thanks to the self contained hydraulic system. Accessory for the machining on many multi-turret CNC lathes.



Driven Slotting Tool

Broach internal keyways, spines, and more using our driven broaching tool. Geared-down 4:1, the MD Tooling broaching tool has the power to machine various types of hard materials and make larger keys. There are both a 50mm and 25mm stroke options available for most live-tool machines.

This holder also come equipped with a built-in relief for the cutting too. On the back stroke, the cutting tool is dropped for clearance. This allows programming to be a consistent x-movement. In order to use the driven slotting tool, it is not necessary to have a Y-axis in the machine unless the features are positioned off centerline.



Driven Gear Hobber

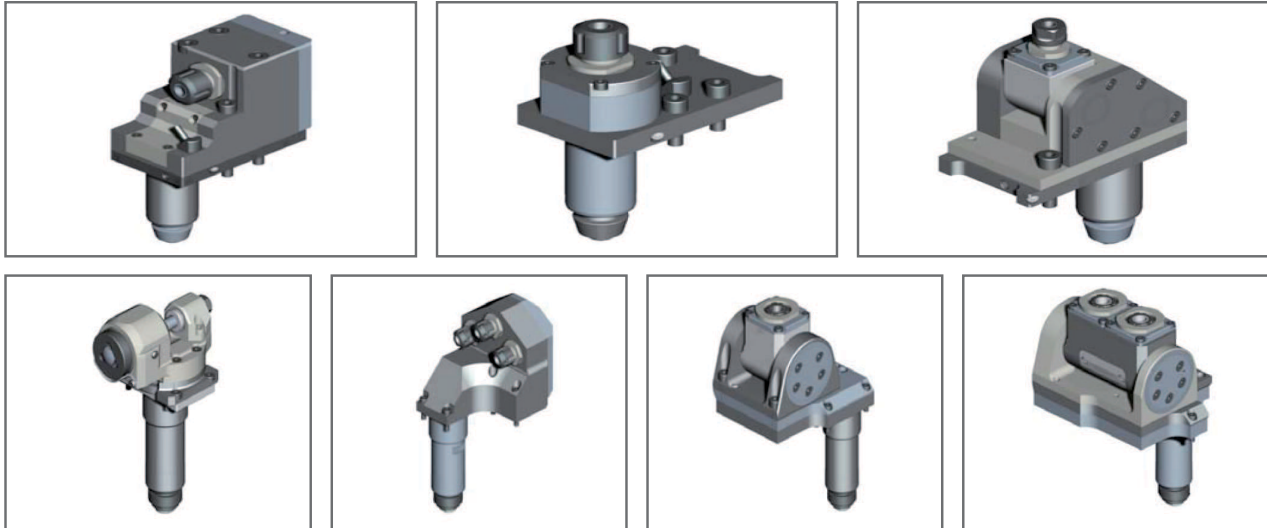
Our driven gear hobber allows the machining of gears on the CNC lathes, avoiding the dead times due to the set-up on two machines (lathe and gear hobbing machine). The machining of cylindrical gears with straight and helical teeth, as well as bevel gears with straight teeth, is possible. The gear hobber is available for many different machine models, in many different sizes:

- Standard: for gear cutter up to Ø80mm x L80mm
- Heavy Duty: for gear cutters up to Ø80mm x L80mm
- Super Heavy Duty: for gear cutters up to Ø100mm x L100mm

The gear hobber can have a gear ratio 1:1 or geared down ratio 2:1, allowing the machining of different type of gears on hard materials also with reduced power available on the driven tool turret. Without strongest driven gear hobbing tool and a proper machine it is possible to manufacture gears up to module 4. Our Application Department is ready to assist you for the selection of the proper toolholder and machining parameters according to your specific application.

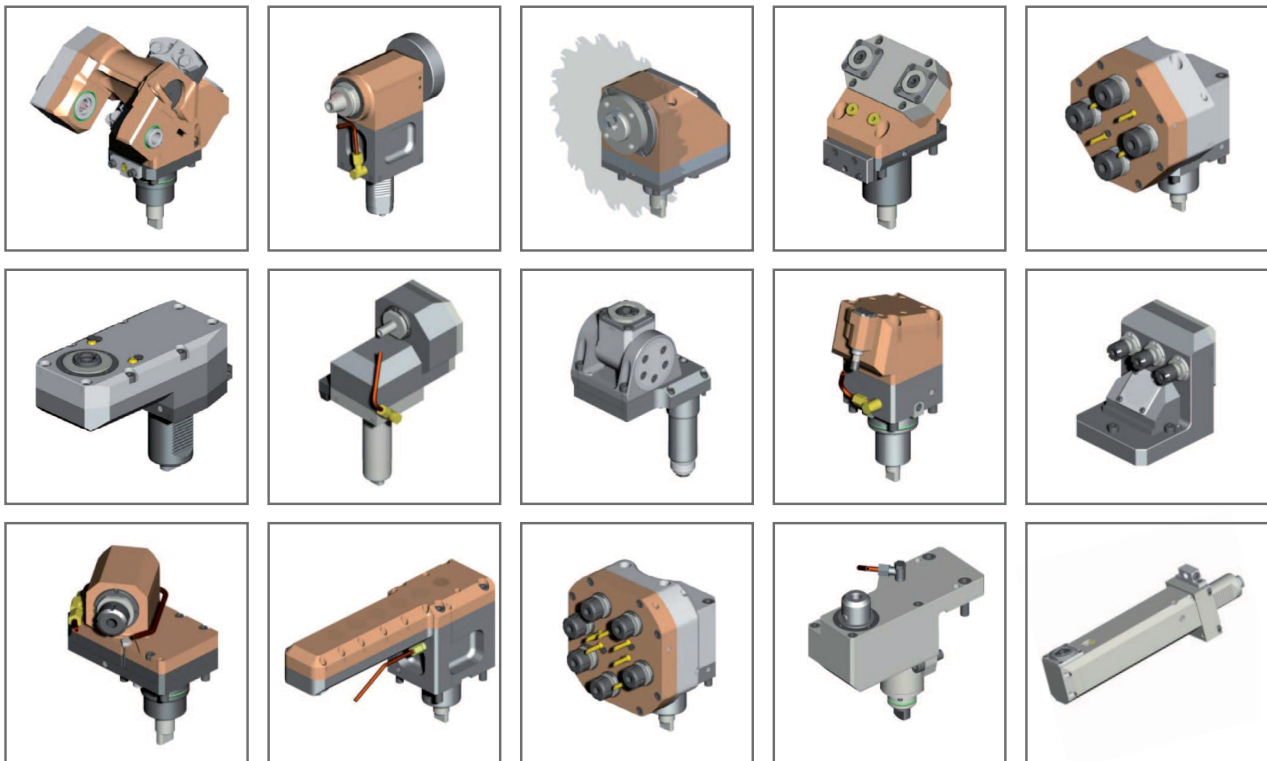
Swiss-Type Lathes

MD Tooling has a wide range of driven toolholders for Swiss Type Turning Machines, such as Citizen, Nexturn, Nomura, Tornos, and Tugami. We have available standard axial and radial models, as well as special solutions like 0-90° angle adjustable gear hobbing, thread whirling, and multiple outputs units.



Special Solutions

Our Technical Department is at your disposal to design special static and driven toolholders according to your application.





Your Partner for *Tooling Solutions!*

It takes more than just high quality products to solve the problems faced by today's manufacturers. It also takes a commitment to provide the highest level of support and service.

At MD Tooling this is not something we just think about, it is something we do and constantly strive to improve.

2 Year Warranty and Tool Loaner Program

All of the tooling available has been designed to give years of service in the most demanding applications. Given the longevity of our tool holders we are able to back them with a 2-year factory warranty. MD Tooling will repair any defective tool holders for a period of 2 years from the date of purchase. Leading the way in customer service, MD Tooling's loaner program keeps you up and running by lending a holder to keep your machine up and running while repairs take place.



Delivery

MD Tooling maintains an extensive inventory of the tools you need to keep you up and running. 93% of all orders are shipped same day.

Technical Support

Our application engineers with over 35 years of CNC experience are available to help answer any question you may have about our tooling or any other CNC related issue. We can tool up your job from blue print and can even help with part programming if needed.

In-House Service and Warranty Work

MD Tooling will evaluate your repair needs to determine the service level, performing all level 1 repairs at our Michigan Service Center. Those requiring factory re-certification are shipped back to Italy. MD Tooling will repair any defective tool holders for a period of 2 years from the date of purchase

