





DRIVEN LATHE TOOLING

M.T. s.r.l.

MT was established in 1972 in San Giovanni in Marignano (Rimini), Italy. The company started out as a third party supplier of high quality, mechanically machined, fully finished product.

Leveraging its extensive knowledge of turning application, MT company began manufacturing driven toolholders for CNC lathes in 1995. During the years, MT highly increased the product range, manufacturing toolholders (today more than 3000 different models) suitable for all the main brands of CNC lathes such as Biglia, Chiah Chyun, CMZ, Doosan, Emco, Goodway, Haas, Hwacheon, Hyundai-Kia (Wia), Mazak, Myano, Mori-Seiki, Nakamura-Tome, Okuma, Romi, Samsung, Takamaz, Takisawa and YCM, turret manufacturers such as Baruffaldi, Duplomatic and Sauter, Swiss-type lathes such as Citizen, Nexturn, Nomura, Tornos and Tsugami.

Quality of our products

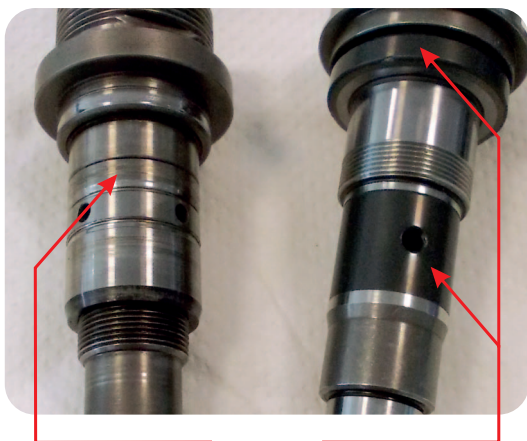
MT products are 100% manufactured in our own factory in Italy where we follow a stringent quality system and inspection procedure, including:

- 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 μ m 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 adopt only state-of-the-art solutions to maximize the performance, cutting capacities and life of our products, including:

- High accuracy and long lasting life bearings on every driven tool.
- Helical gears with rounded teeth profile.
- 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 70 bar.



Shaft used by
our competitors
WITHOUT
ceramic coating

Shaft used
by MT WITH
ceramic
coating



MSQP certified in USA,
Europe and Japan



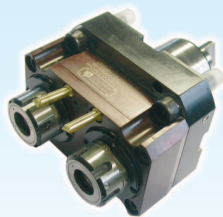
DRIVEN LATHE TOOLING

We offer multiple solutions for CNC lathes!

With more than 3.000 different models available, M.T. can offer a full range of static and driven toolholders to satisfy every possible machining application.

We design and manufacture also special driven tools upon customer's particular requests and offer customized solutions.

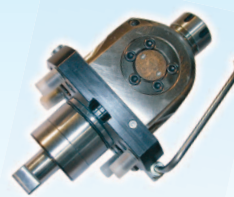
Thanks to our constant attitude in R&D, we are able to propose state-of-the-art solutions, such as recent boring bar and drill holders with a new coolant system that makes more simple the on/off operations.



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 catalogue is available online on www.mtmarchetti.com
Don't miss our application videos on www.youtube.com/user/mtmarchetti



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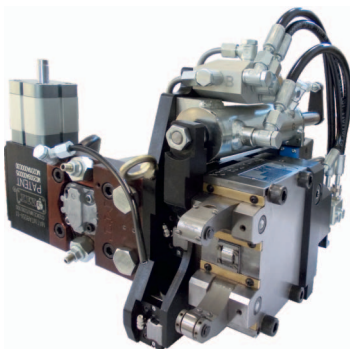
MT is your best partner for special applications

MT 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 pay back of your investment.



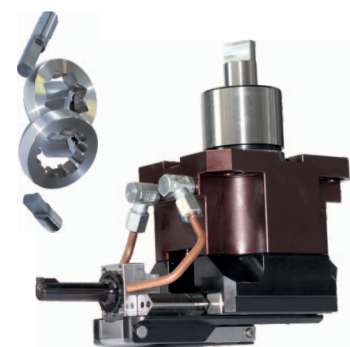
QUICK CHANGE SYSTEM

The new range of driven tools with MTSK quick change toolholder system (with reduced overall sizes) allows bigger flexibility and 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 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.



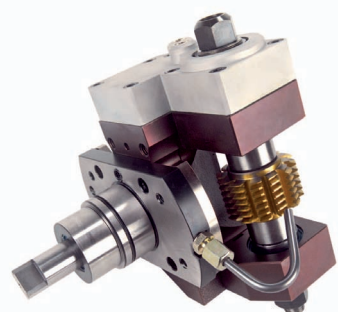
SLIDING DRIVEN STEADY REST

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

Our new version of driven slotting tool has the following technical features. Fixed stroke: 50mm or 25mm corresponding to a maximum key length of 47mm or 22mm. Working length: 47mm or 22mm. Geared-down ratio 1=4:1. With an increased gear ratio and power it is possible to machine different type of hard materials, make larger keys and extend this solution also to machines with smaller driven power in the turret. It's a more compact and rigid version and it makes possible to use the driven slotting tool not only on Mori Seiki NL/NZ lathes but also on machines with smaller overall sizes such as Biglia, Nakamura-Tome (WT150/Super Mill), Okuma (LB3000/4000/LT2000), VDI40 (axial and radial turrets), Doosan BMT55/65 and Takisawa. The cutting tool lift is mechanical and independent. It is possible to machine keys with width up to 12mm and also with special profiles such as internal teeth and seats for threaded outlines. In order to use the driven slotting tool it is not necessary to have a Y axis in the machine, unless the keys are positioned out of the centerline and though need a Y axis shift to be machined. It is already under construction an optional version of the tools that will allow to make multiple operations with the same driven tool. Also in this case a Y axis will be required.



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, and in four different sizes:

- Standard: for gear cutters up to Ø50mm x L50mm
- Medium: for gear cutters up to Ø80mm x L80mm
- Strong: for gear cutters up to Ø80mm x L80mm
- Strongest: for gear cutters up to Ø100mm x L100mm

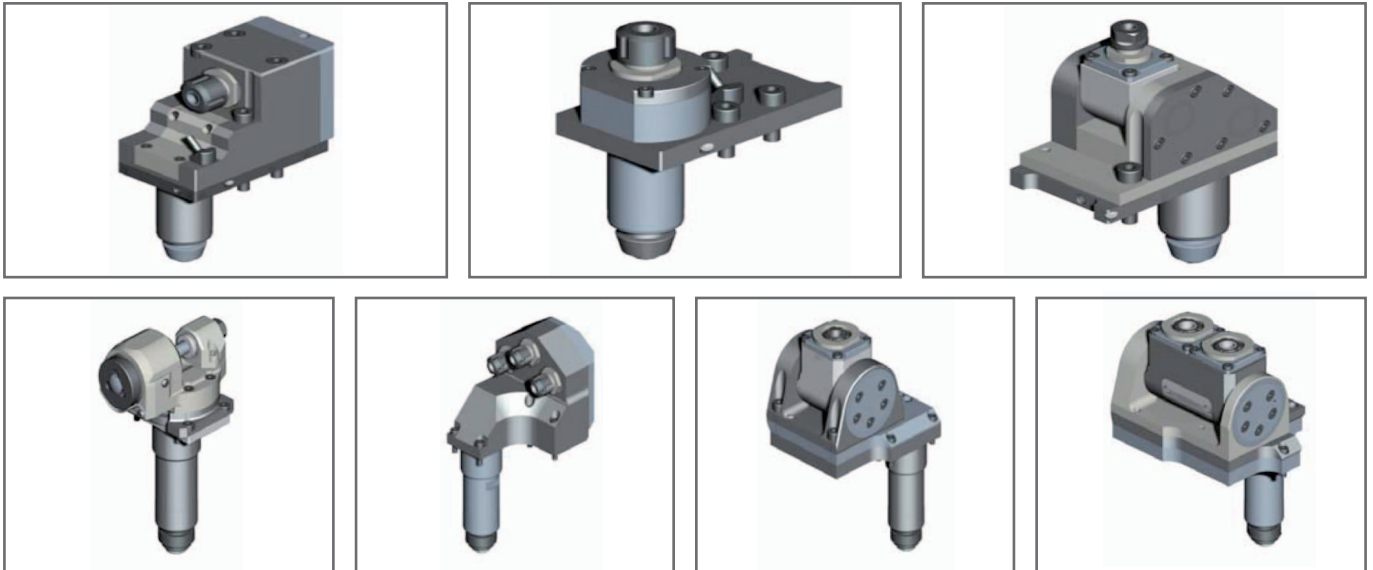
The gear hobber can have a gear ratio 1:1 or geared down ratio 2:1, allowing the machining of different type of gears on hard materials also with reduced power available on the driven tool turret. With our strongest driven gear hobbing tool and a proper machine it is possible to manufacture gears up 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.



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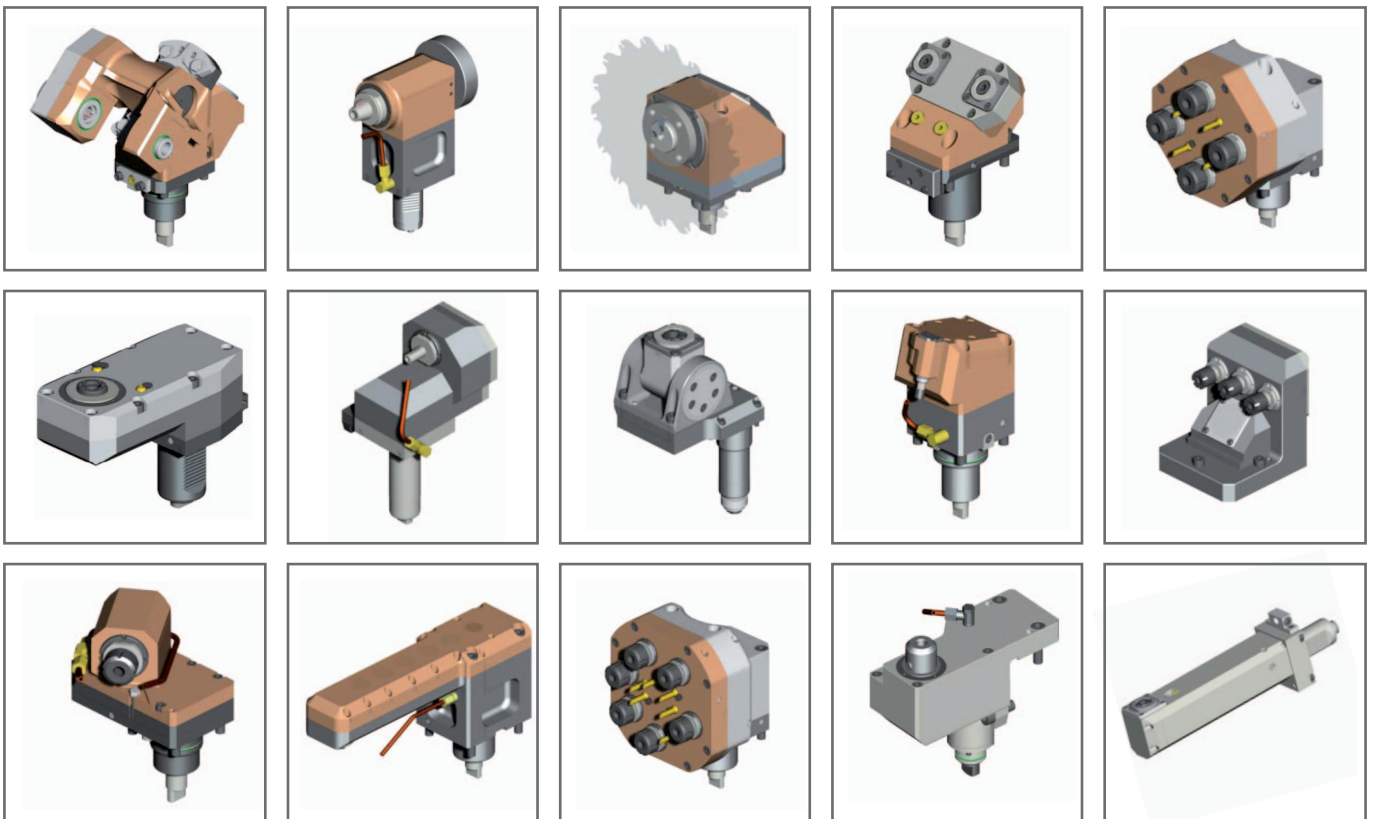
Swiss-type lathes

M.T. has developed a wide range of driven toolholders for Swiss Type Turning Machines, such as Citizen, Nexturn, Nomura, Tornos and Tsugami. 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.





DRIVEN LATHE TOOLING

Global network



2 years warranty

Every driven tool is covered with a 2 year warranty starting from the dispatch date which is etched on the driven tool housing. This does not include improper use or damage caused by collision.

Delivery

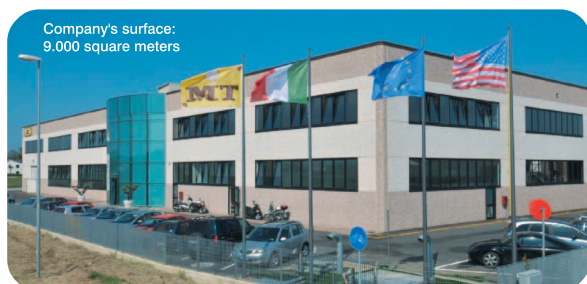
The main goal of our company is to satisfy our customer's demands quickly. This is only possible thanks to our vast stocks and stocking policy. We can guarantee that 99% of MT tool holders are available for immediate shipment after order confirmation or within 2/3 working days for items that need to be assembled. Furthermore thanks to the cooperation with express couriers our customers can easily trace their packages.

Technical support

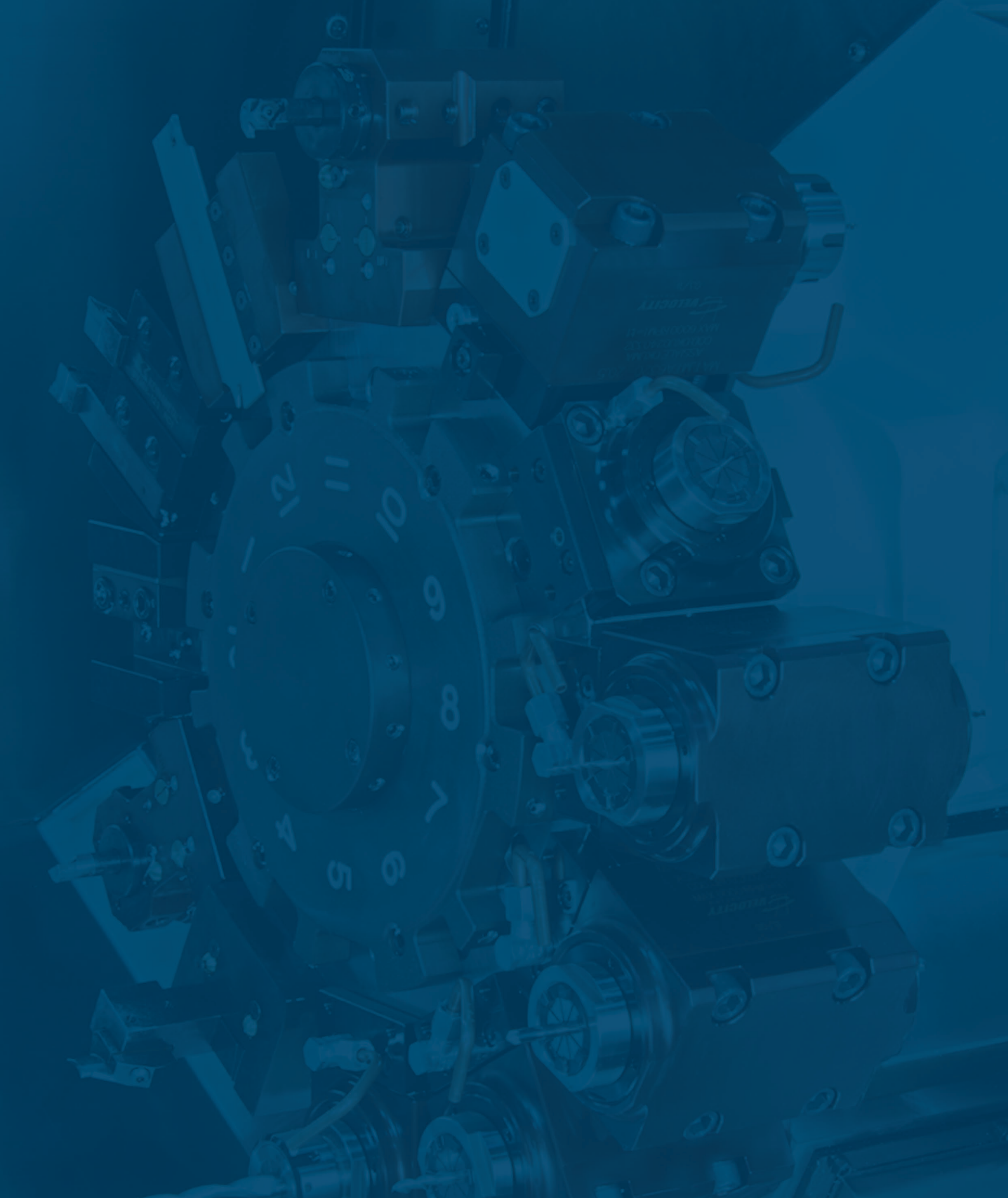
MT is able to provide its customers with an excellent technical support thanks to 40 years experience in the field of machine tools and tooling. Our efficient technical department is always available to answer your questions.

Repair service

MT offers a flexible and cost effective repair center for all MT and non-MT products.



*40th Anniversary...
we've just started*



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