

A close-up photograph of a hand spinning a globe. The globe is in motion, creating a significant horizontal motion blur effect across the entire image. The colors of the globe, primarily blues and greens, are streaked horizontally. A hand is visible on the right side, with the index finger pointing towards the center of the globe. The background is also blurred, suggesting an outdoor setting with greenery.

TORNOS

Service upgrade

Experience shows:
*Original quality
is worth it,
time and again*



Buying accessories is like buying a new machine. When you're looking for the right accessory for your production tool, above all you need to be sure that your supply partner has the necessary skills and competence. An unsuitable peripheral, a poorly produced interface, incorrect assembly or improper use can lead to unplanned downtime and lost productivity.

That's why Tornos continues to evolve its service offering with your precision, productivity and profitability at the center. Moreover, our vast selection of peripherals—including driven tool holders, high pressure pumps and chip conveyors—positions you for even greater success. Please contact our specialists for a personal consultation.

Benefits

- Absolute dimensional precision
- Rigorously tested safety and functionality
- Extremely well-designed, complete solutions
- Warranty services

Central lubrication device for DECO

Lubrication operations, both on the axes and the ball screws, can quickly become laborious, which means they can be overlooked or neglected. A DECO machine with 10 axes can have up to 50 points. Because an automatic, central lubrication system requires no human intervention, it is a highly valuable auxiliary component.

Benefits

- Eliminates periodic lubrication
- Guarantees that lubrication is always performed
- Improved machine component reliability
- Low oil consumption

Do not hesitate to contact us for more information: spareparts-ch@tornos.com



Oil mist extractors

Air quality is one of the most important factors in guaranteeing a safe, clean and healthy work environment. Tornos offers a complete range of oil mist filtration devices to suit your needs. The extractors are centrifuge-type devices that use a fan to extract the vapors towards the post-filtration system, which can be either mechanical (HEPA) or electrostatic. The mechanical high-efficiency particulate air (HEPA) post-filter is designed for "light" use and the electrostatic post-filter is for use in machining operations that generate a lot of smoke and oil mist.

Technical specifications

Depending on the machine, the extraction power ranges from 400 to 2,500 m³/h
68 dB depending on the model
Three-phase multi-voltage brake motor from 0.37 kW to 1.5 kW

Compatibility

All Tornos machines

Benefits

- Option to choose the type of filtration best suited to the application
- Integrated system, automatic operation
- Secure system for fire protection system (brake motor)
- Simple, reduced maintenance
- Machining area separate from smoke and vapours
- Clean air reinjected into the workshop
- Filtration efficiency up to 99.7 percent
- Long filter life

Do not hesitate to contact us for more information: spareparts-ch@tornos.com

Tornos Fluid Manager

Careful management of the coolant is included in the machining parameters, which directly affect the machine's productivity and stoppages. Tornos offers a compact, efficient solution: Fluid Manager. This device includes a 500-liter tank and hydrostatic paper filter as standard. It can also be fitted with two optional high-pressure (HP) pumps. This is the most compact device in its category currently on the market. Each Fluid Manager is equipped with a water-oil heat exchanger. Depending on the workshop configuration, it may be connected via its connection interface to a central water network or, if necessary, added to a chilled water production unit.

Technical specifications

Dimensions: 1,900 x 800 x H 1,700 mm
Transfer pump included
Hydrostatic paper filter
Automatic paper reel
500-liter tank
Up to 2 HP pumps
3 types of HP pump available: 60, 120 or 340 bar
5 configurations possible

Compatibility

All Tornos machines

Benefits

- Increases machine availability
- Reduces the hydraulic assembly footprint
- Compact all-in-one design
- Eliminates the need for strainers in the machine
- All the cutting oil in the machine is constantly filtered
- Reduces cleaning operations
- Eliminates machining sludge
- Improved finish
- Increased tool life

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LCD screen



Over time, the cathode ray tube (CRT) screen of your computer numerical control (CNC) becomes hard to read. We can replace it with a state-of-the-art liquid crystal display (LCD) screen to make your machines easier and more comfortable to use.

Compatibility

All Tornos machines

Benefits

- Ergonomic
- Improved user comfort
- High contrast
- Energy saving

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Horizontal door upgrade

First-generation DECO 20 and DECO 26 machines were equipped with a vertical door, which was relatively heavy and not ergonomic for operators. These doors can now be easily replaced with a horizontal version which is more practical and improves access to the machining area.

Compatibility

Tornos DECO 20 and DECO 26

Benefits

- Improved ergonomics and machine accessibility
- Improved seal
- Improved visibility

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Active Chip Breaker

Complete chip control with ACB

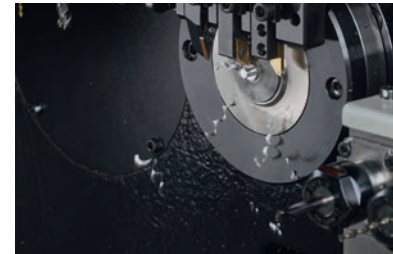


The Tornos Active Chip Breaker (ACB) system uses new cutting technology, which is both universal and highly effective, enabling virtually all part geometries to be machined from the most varied of materials. Chips are broken up in a controlled fashion, eliminating machine downtime caused by the accumulation of chips. Discover the many benefits of this technology today.

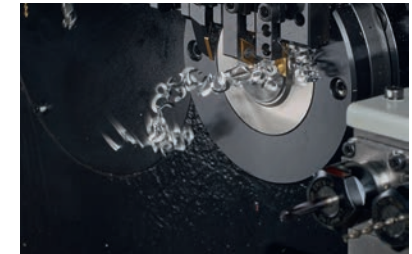
Benefits

- Improved process safety, reduced risk of fire
- Reduced machine downtime
- Increased service life for your tools
- Reduced machine maintenance time
- Improved chip removal
- Simple and quick to implement, allowing increased productivity
- Can easily be activated via a machine software update
- Reduced energy consumption
- Attractive price

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With ACB



Without ACB

Simple solution to chip problems

The Tornos ACB cycle is a simple solution to your chip problems. This innovation solves all problems linked to chip build-up without affecting the high levels of precision you require.

This system offers immediate control of the formation of chips in any type of material, including hard-to-machine materials such as Inconel®, cobalt-chrome, non-ferrous materials, plastics, stainless steels and various titanium alloys.

The ACB system is simple to use and can be activated with both the main spindle and the counter spindle; plus, it can be used for both turning and drilling operations. The ACB provides effective support for devices such as high-pressure pumps, and can even replace

them in some cases. The main advantage of the ACB system is that it is very quick to implement.

The very simple to use ACB system is available as an option and is activated via a specific macro which can be configured.



Chips with ACB

Copeaux Chips without ACB sans ACB

COMPATIBILITY	EvoDECO	Swiss GT	Swiss DT	CT 20	SwissNano
Main spindle turning	○	○	○	○	○
Counter spindle turning	○	○	○	○	○
Main spindle and counter spindle drilling	○	○	○	○	○

○ Available

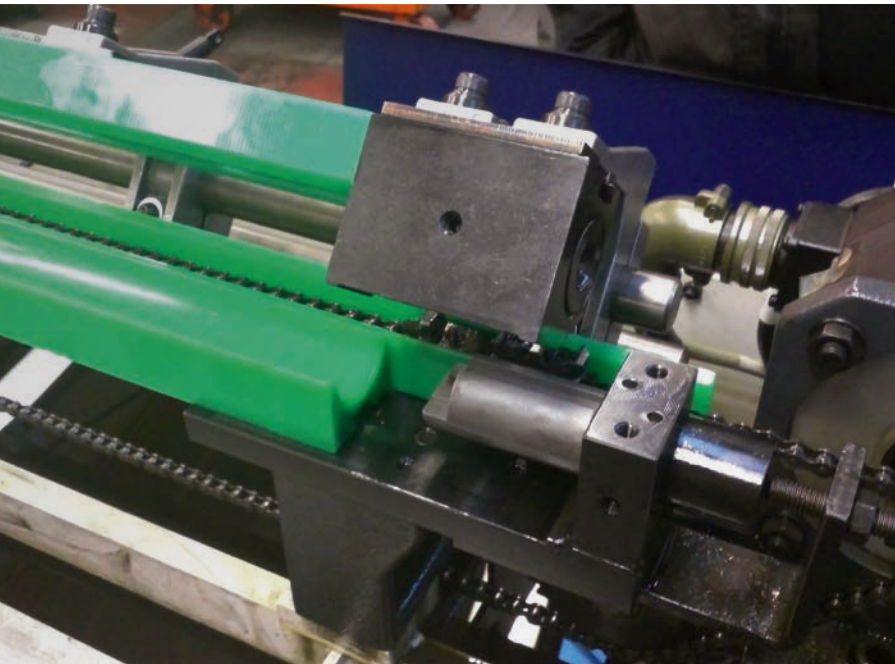
New capacity for Robobar SSF

The new capacities for the Robobar SSF bar feeder guarantee excellent bar guiding. Guiding is performed in hydrodynamic channels. A film of oil is created, separating the bar to be machined from the guide component.

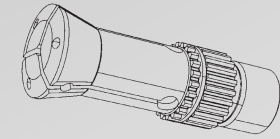
The faster the bar rotates, the greater the hydrodynamic effect.

Benefits

- Latest-generation guide channels
- Easy installation
- Ergonomic
- Improved guiding



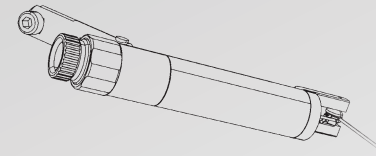
Collets



We offer a range of competitively priced collets, all available with different finishes to suit your own particular challenges. Don't hesitate to contact our specialists.

Benefits

- Huge choice of finishes
- Competitive prices
- Fast delivery



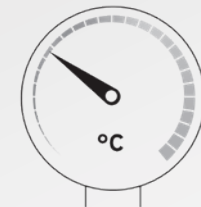
Tap breakage detector

The tap breakage detectors are designed to detect broken tools, as well as the presence or absence of a workpiece. At each cycle, the detector probes the tool and checks that it is present.

Benefits

- Greater process safety
- Reduced risk of collision
- Improved production monitoring

Machine warm-up



Automatic machine warm-up considerably reduces the time required to start producing high-precision parts. This type of part requires the machine's temperature to be stable. The operator can program the number of parts to be produced during the night or weekend. Once the batch has been produced, the machine switches to standby. At the programmed time or date, the machine switches automatically to warm-up mode.

When warm-up mode starts, the machine retracts the bar up to the guide bush to avoid collisions with the tools. The machine then launches the last part program, but cancels the Z1 axis movement to prevent machining. The spindle override can be reduced to 25 percent to avoid overheating.

Benefits

- Quicker production start-up
- Material and energy savings
- Time saving

Chip conveyor



Depending on the type of material and application, it may be necessary to use a filtration and chip removal system. This can evacuate even the hardest types of chip.

Compatibility

DECO, EvoDECO, MultiDECO, MultiSigma and MultiAlpha

Benefits

- High coolant cleaning capacities
- Dual evacuation system for processing all chips (option)
- Self-cleaning system (option)
- Minimal maintenance

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Pre-setting tool upgrade

We suggest that you upgrade your presetting tool. Rules can now be set in inches and millimeters in three axes. These new digital rules significantly increase user comfort.

Compatibility

DECO, EvoDECO, MultiDECO, MultiSigma and MultiAlpha

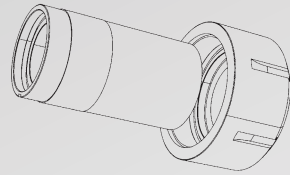
Benefits

- Simple to use
- Reduced risk of error
- Ergonomic

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Biconical collet

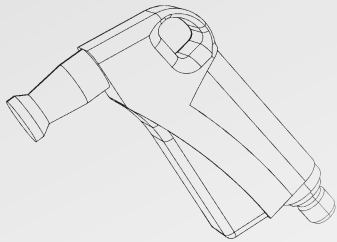


To fully exploit the power of SIGMA 20 and SIGMA 32 machines, a biconical collet can be used to double the clamping force. This enables the machine to operate to its full potential.

Compatibility
SIGMA

Benefits

- Machine operates at full power
- Double clamping force
- Ergonomic
- Simple, proven solution



Oil nozzle

In some cases, cleaning the machining area with compressed air is too harsh, which is why we offer an oil nozzle on DECO, EvoDECO, MultiDECO, MultiSigma and MultiAlpha machines.

The nozzle is fitted in the machining area.

Compatibility

DECO, EvoDECO, MultiDECO, MultiSigma and MultiAlpha

Benefits

- Gently cleans the machining area
- Perfectly integrated solution
- Ergonomic

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LED light

LED technology has greatly improved user comfort in the machining area. We offer the optimal solution to replace traditional tube lights on machines with modern LED lights.

Compatibility

All Tornos machines

Benefits

- Maintenance-free LED technology
- Uniform lighting, non-dazzling with soft transitions
- Sturdy aluminium unit with safety glass diffuser
- Sealed connector
- Resistant to oils, coolants and lubricants
- Impact- and vibration-resistant
- Ideal for high mechanical and thermal stress
- Connects directly to the machine's power supply
- Angle-adjustable
- Easy mounting with magnets



Do not hesitate to contact us for more information: spareparts-ch@tornos.com

We keep you turning



tornos.com

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Tornos
throughout
the world



Complies with current CE/EMC safety directives

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