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*A new addition to
the Swiss DT range:
The Swiss DT 26/6 HP*

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a gear at AMB
in Stuttgart and
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On Brazilian Soil

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*Challamel Hervé:
High speed,
reliability and
precision*

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www.decomag.ch**SUMMARY**

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Jens Thing, Chief Sales Officer (CSO),
Arnaud Macabies, Managing Director
of Tornos Spain and Isaac Acrich, former
Managing Director of Tornos Spain.

Working in a team whilst promoting individual skills

Arnaud Macabies General Manager of Tornos Spain

I have been heading up Tornos Spain for three months now, and have had time to assess the market situation and our positioning compared to our competitors.

In any company, to be able to analyse the situation, the first things to assess are customer satisfaction and the after-sales service and to ensure that the latter is reliable, as this allows a real relationship of trust to be built with our customers in the long term. Our team in Spain has solid expertise in machine tools and we are going to further expand this with more training, particularly on new products. This is what we have committed to doing since I arrived. For me, a company's employees are its lifeblood.

By working together, as a team, we can achieve the goals that we have set ourselves. These are certainly ambitious goals, but they reflect the mindset that I wanted to instil when I arrived, with complete transparency and for the benefit of all. Secondly, it is also a matter of strengthening the team by hiring dynamic new team members and developing the suite of services we offer our customers.

Just like my team, I am fully motivated to tackle the challenges ahead. Being there for our customers, meeting their needs at any time - this is now a given. Most importantly, we need to stand out from our competitors and conquer new markets, convincing new customers to opt for Tornos. Just like my own journey, I see this in some way as a return to our roots: Spain. While my first language is French, I

speak and write fluently in Spanish, Catalan and English. I have Spanish and Catalan heritage on my maternal grandparents' side. They left Spain for France in 1939 during the Spanish Civil War, moving to Northern Catalonia, but they remained Spanish in both heart and mind. I hold French, Spanish and Swiss passports, and I'm delighted that Barcelona has become my new home base.

I have a masters in mechanical engineering (design and project management) from the École Nationale Supérieure d'Ingénieurs Sud-Alsace (ENSISA), based in Mulhouse, France, and a masters in mechanical engineering from the Universitat Politècnica de Catalunya, based in Barcelona, Spain, and joined Tornos just after I finished my studies. An interesting anecdote: I went to BIEMH in Bilbao in 2008 where I met my predecessor, Isaac Acrich.

With my passion for machines, I went to visit the Tornos stand as I already knew about some of their machines, such as the DECO that we had at school in Mulhouse. On the off chance, I asked if Tornos were hiring, but this was during the recession, and I would have to wait a little longer for this kind of opportunity. Determined to try my luck once more, I joined Tornos in 2010 as a technical project manager and application engineer for multispindle products.

Subsequently, moving into a technical sales and sales support role on customer projects, I started to look after multispindle projects in different markets, including the USA and Asia. In mid-2013, I took on



All the staff in Spain take part in the 'Changes and improvements' workshops that usually end with a good meal prepared together.

“We can do so by listening to the needs of our customers and responding to these quickly and effectively, whilst promoting exchange and a spirit of openness within our team.”

responsibility for multispindle products in China as the Technical Sales Manager. In the autumn 2014, I moved to Shanghai, which became my base to direct sales activities in South Korea. In July 2015, now based in Moutier, I was promoted to the role of Sales Director for Eastern Europe, Turkey, Scandinavia, Benelux and the countries in the Commonwealth of Independent States (CIS), a position that I held until October 2020.

In this sector, there was so much to be done. I had just one retailer in Poland and another in Hungary, and one sales assistant and a head of the department. Every day, I got to work and I was delighted to be able to build a real team for the vast territory entrusted to me. By working together, we accomplished great things. In a few years, we converted the minimal turnover into a real standing in this market - growth which speaks for itself. I hope to do the

same here, within our market which encompasses the whole of Spain, along with Portugal and Andorra. A vast market which truly deserves the close interest that Tornos is taking in it, building a suitable team to ensure that the industry flourishes here.

I am convinced that we will be able to achieve here what I was able to accomplish in the equally large region I was assigned to in 2015. We can improve service by listening to the needs of our customers and responding quickly and effectively, whilst promoting a spirit of openness within our team.

Tornos Spain has the products and solutions to gain market share, although we still need to move forward to ensure we are at the very cutting edge of modern technology and are truly proficient in this area. Thanks to the 'changes and improvements' workshops that we are now organising regularly, we are setting ourselves objectives that we will reach together, to grow as a team whilst leaving enough space for new ideas and ambitious new projects to germinate and come to life. This heralds highly positive prospects for Tornos Spain, but also for the group

as a whole, as we all pull together to achieve the best possible results.

Soon, Tornos is looking forward to welcoming you to two unmissable fairs: the *Ausstellung für Metallbearbeitung (AMB)*, from the 13th to 17th of September in Stuttgart, Germany, and the *International Manufacturing Technology Show (IMTS)*, from the 12th to 17th September in Chicago, USA. These trade fairs give Tornos the chance to demonstrate its machines in a context conducive to exchange and negotiation. After two years of the pandemic, we are all looking forward to rediscovering the joy of meeting customers in person, and exchanging ideas face to face, rather than through a screen. Until then, please do not hesitate to contact Tornos for any request or specific requirements you may have, in Spain, Portugal, and all four corners of the world - Let's keep 'Turning Together'!

A large part of the Tornos Spain team and the CSO Jens Thing at the BIEMH 2022 show in Bilbao, which was a great success.



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*A new addition to
the Swiss DT range:*

The Swiss DT 26/6 HP

One year ago, Tornos launched the Swiss DT range of machines at EMO in Milan. Since their introduction to the market, these machines have been exceptionally well received by manufacturers from a diverse spectrum of industry sectors. The Swiss DT machines are soon to be completed by the arrival of a new configuration of the most popular machine – the Swiss DT 26 HP. This machine will ensure coverage of the vast majority of requirements for turned parts. It will be on display at the Tornos stand at AMB Stuttgart, which will take place from the 13th to the 17th of September 2022.

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The Swiss DT range is unique, and is available for bars with a maximum diameter of:

- **13 mm**
- **25.4 mm**
- **32 mm**
- **38 mm**

In this range of machines, the cost per part plays a key role, therefore the range is available in two series:

- **HP:** This series is high-performance. The machines are characterised by spindles and counter spindles that offer a similar level of power, and a guide bush with a built-in motor.
- **S:** These machines have a counter spindle with a lower power level. However, these versions still benefit from the full range of advantages offered by the Swiss DT range.

What makes these machines unique is their unrivalled modularity. The machines in the Swiss DT range benefit from a unique modular design. The main platten can be adapted to the requirements of the workpiece. In particular, the Swiss DT range can accommodate an impressive number of rotating devices, some of these include:

- Thread whirling unit
- Polygon tool
- Gear hobbing device
- Splitter
- Milling unit
- High-frequency spindle

The machine platten is modular for optimum tool utilisation and the machines have a large work envelope, giving the operator better visibility and accessibility.

Two kinematics: five or six axes for the Swiss 26 DT

The Swiss DT machines are fitted with tried-and-tested kinematics with five linear axes. Given the diameter and power of the machines, the Tornos engineers focused on ensuring effective chip removal by placing the platten above the guide bush or spindle. The 5-axis kinematics allow complex parts to be created, with simple programming via TISIS.

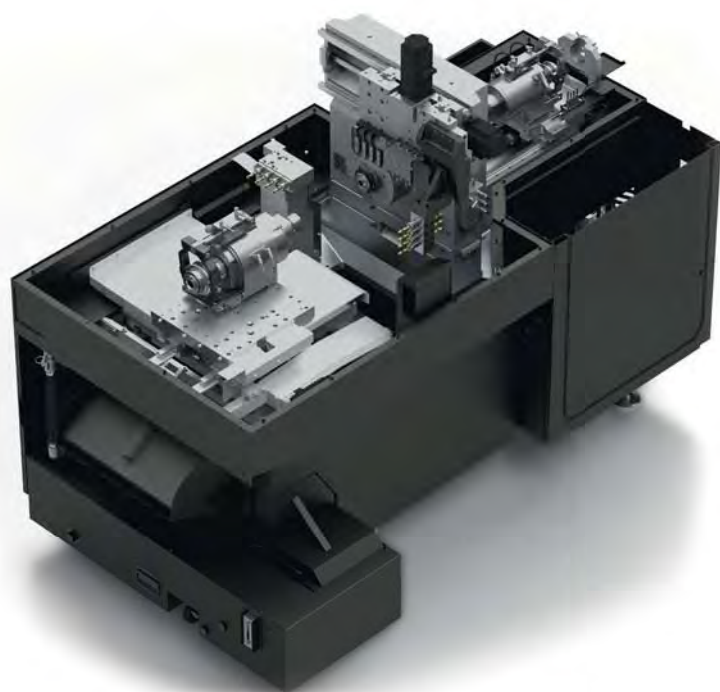
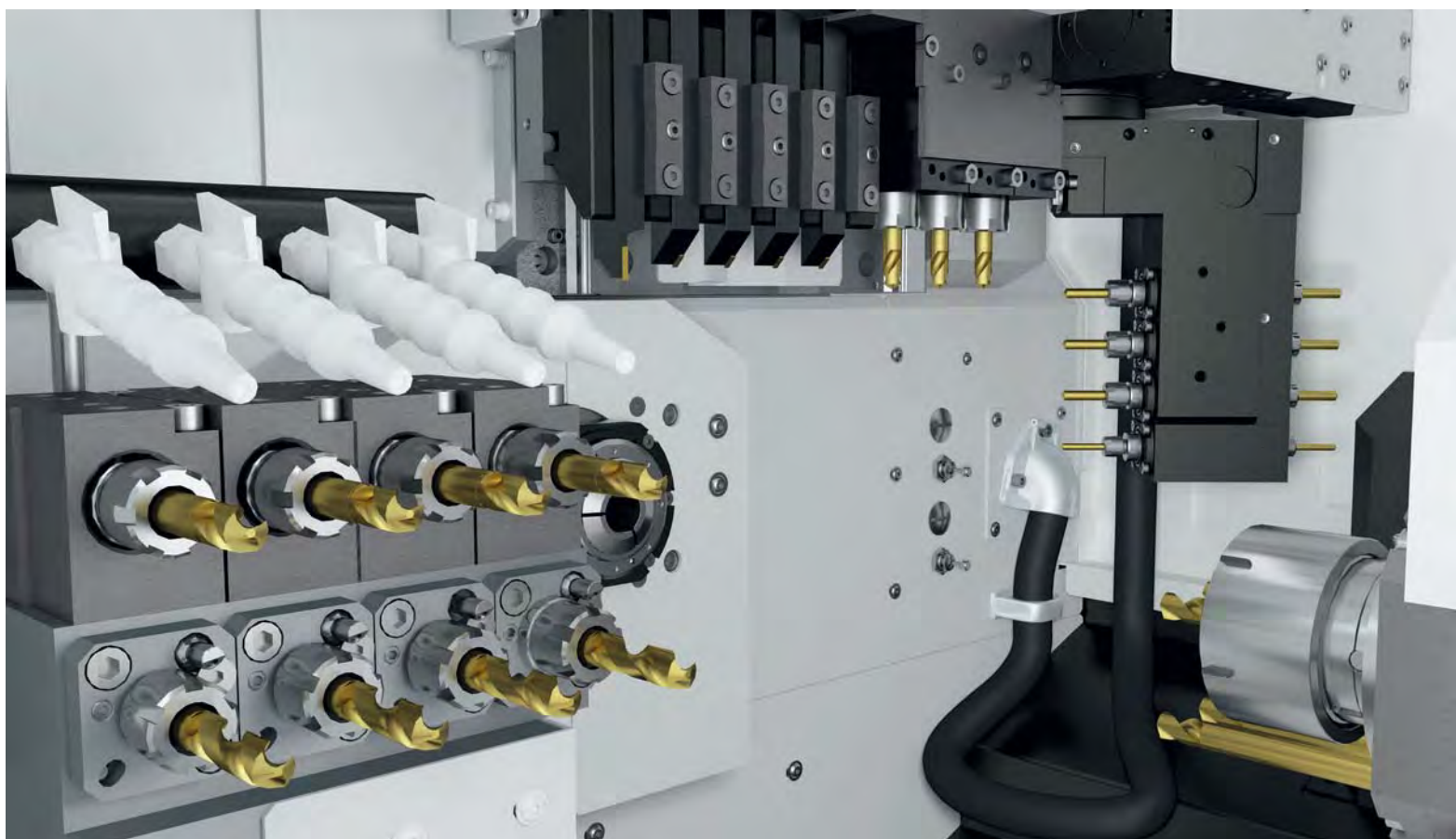
Standardised programming with TISIS

Every Tornos machine can be programmed using the TISIS programming software; this is especially effective for the Swiss DT machines, which can also be fitted with the Connectivity Pack for remote monitoring of the status of the machines. TISIS has a database that contains all tool resources, from simple chisel holder plates to thread whirling tools and even polygon tools or milling devices. Each of these tools has its constraints, and these are integrated into TISIS. So, if a tool is selected, only the positions where it can be fitted on the machine will be activated. TISIS also manages incompatibilities between the various tools. Users are guided intuitively through their machine, and each tool has its image to allow easy identification. Another advantage is that the default geometries are automatically displayed when a tool is selected. The ISO editor automatically synchronises the code between the channels and uses syntax highlighting to enable value codes to be easily distinguished.



Visit store.tornos.com to download your free trial version of TISIS.





However, it is possible to go even further and make the most of the numerical settings on 3 axes in a secondary operation. The Swiss DT 26 HP has a Y-axis for counter operations to enable this. This axis is installed directly on the back spindle carriage, thereby extending the machine's capabilities. The secondary operation block, which can hold up to five tools on the 5-axis kinematics, sees its capacity increase to eight tools on the Swiss DT 26/6, four of which can be rotating tools. To make full use of the extra flexibility provided by the Y-axis, the machine is also fitted with a tool holder designed specifically for deep drilling; this means four tools can be positioned next to the back spindle. There is also the option of driving two tools on this block.

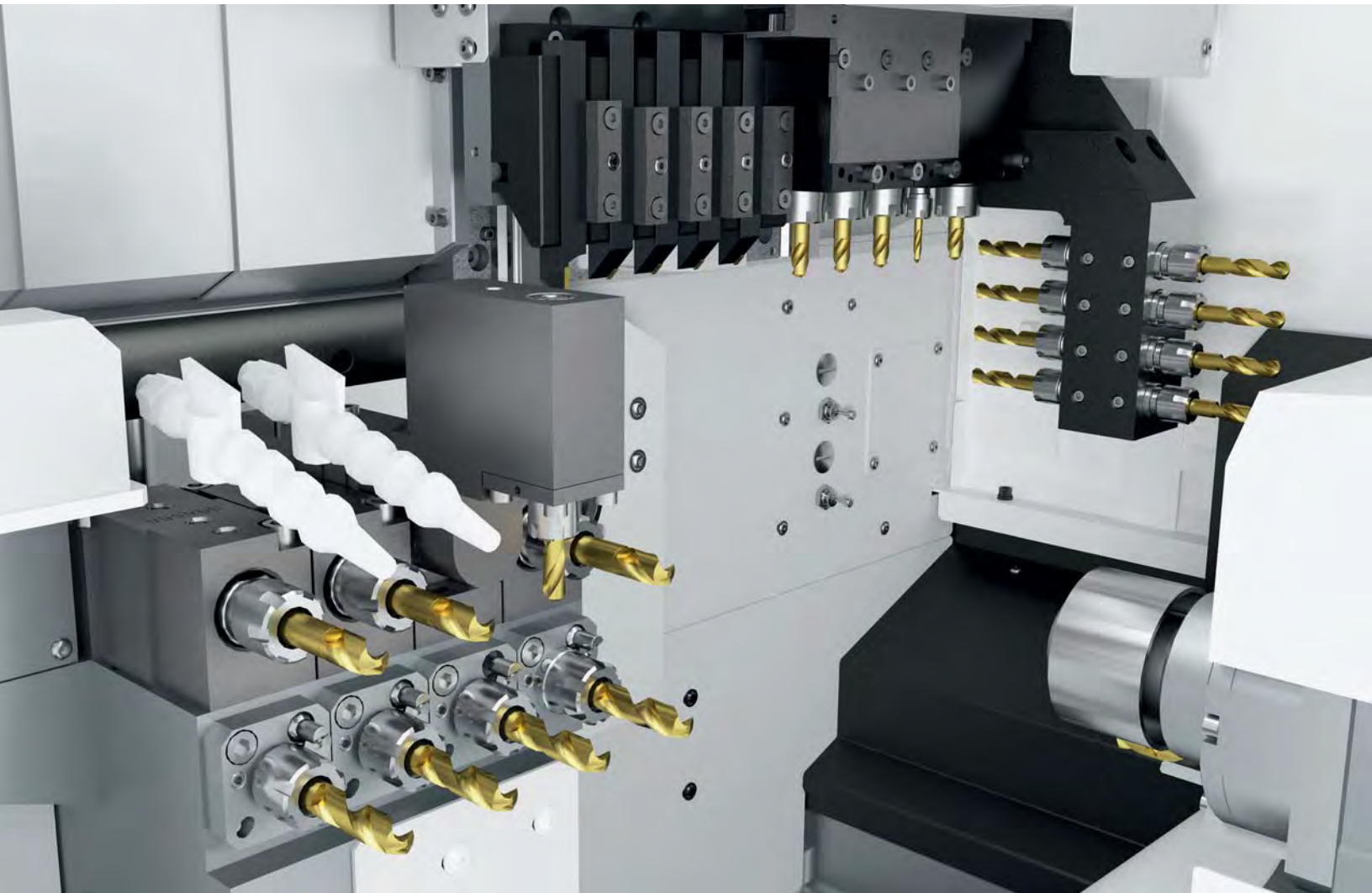
Unbeatable rigidity

The base shared by all these machines has been optimised with finished elements and is made from only the very finest quality materials. This improved base

enhances rigidity and vibration damping, giving the Swiss DT range more reliable precision, surface finish and even tool life than other machines. This also gives customers the option to machine deeper passes at higher feed rates and spindle speeds. The aim is to provide an ultra-efficient base for this new range of machines.

High-performance spindles

As always at Tornos, particular attention has been paid to the spindles, which are ultimately the heart of the machine. As such, the 26 mm and 32 mm models are fitted with the SA 26 and SA 32 spindles, which can also be seen on the Swiss DT 26, Swiss GT 26 and GT 32 machines, among others. These spindles are fitted with a powerful 10.5 kW motor, delivering an impressive torque level throughout the speed range, from 0 to 10,000 rpm on the 26 mm model and



from 0 to 8000 rpm on the 32 mm and 38 mm models. The Swiss 13 DT is fitted with an ultra-dynamic 5.0 kW spindle: This is capable of reaching its top speed of 15,000rpm in a few tenths of a second. The highly powerful spindles make the Swiss DT the only machine in the 'entry level' class to offer this level of efficiency. It should also be noted that working with or without the guide bush is possible.

A B-axis like no other

The machines can be fitted with a plug-and-play B-axis, which can be added based on the workpiece requirements. Once installed, this device facilitates the machining of complex parts in both main and secondary operations. It is fitted with three ESX 11 rotating spindles for both main and secondary operations; there is also the option of installing a fourth ESX 8 rotating spindle. It is also possible to install a high-frequency spindle on the B-axis for micro-machining or even deburring operations.

This exceptional flexibility is built into every aspect of the Swiss DT range. For example, the machine offers a high level of autonomy with different options, such as chip conveyors, oil mist extraction units, part collection devices and our very own Robobar SBF bar feeder.

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Integrated ER taper-shank cutter

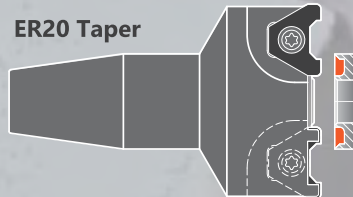


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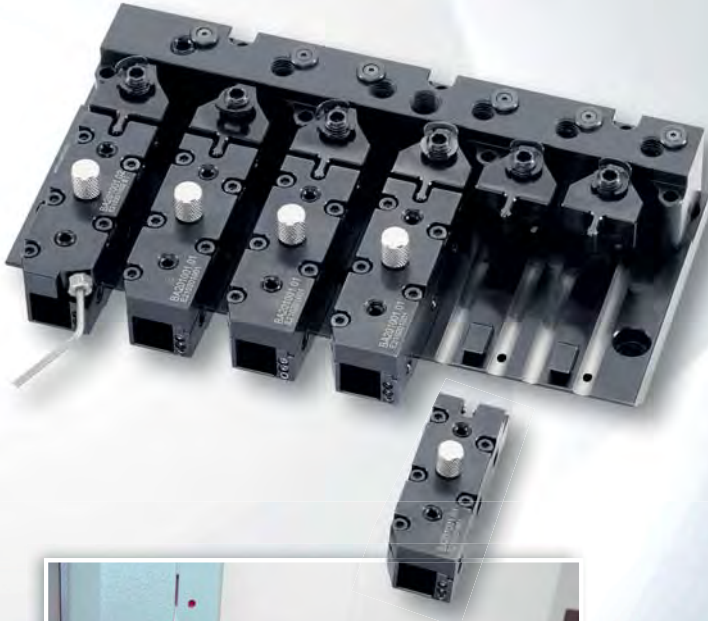
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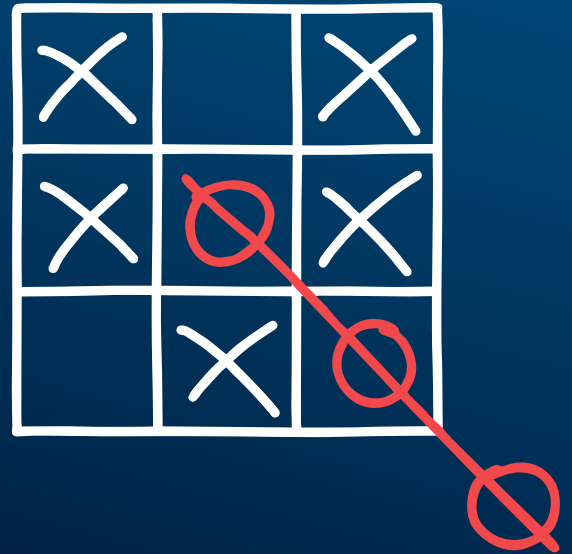
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New options

for the SwissNano 7 and SwissNano 10

The SwissNano 7 has established itself as the benchmark for bar turning, while its six-axis kinematics offer numerical settings in all dimensions.

Users can also benefit from all the operational comfort of a counter spindle on three linear axes.

To increase the machining options offered by the SwissNano 7 and 10, Tornos engineers have come up with two new options for the machine's secondary operations, as well as for the machining station located beneath the counter spindle.

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Eight tools for secondary operations, four of which are motorised

The machine's kinematics and its separate counter spindle on three linear axes enable precision adjustments to be made to the machine. While secondary operations were previously limited to four positions on the SwissNano, double this number is now possible. Up to eight tools, including four positions, can be motorised and fitted to the machine as an option. The secondary operation position is still modular and can be adapted to the requirements of the part at any time, for example by installing a gear hobbing device.





New motor beneath the counter spindle

It is now possible to install up to three tools in fixed positions beneath the counter spindle.

A new option will soon be available making it possible to motorise these three positions to increase the machining options offered by the SwissNano 7 and the SwissNano 10.



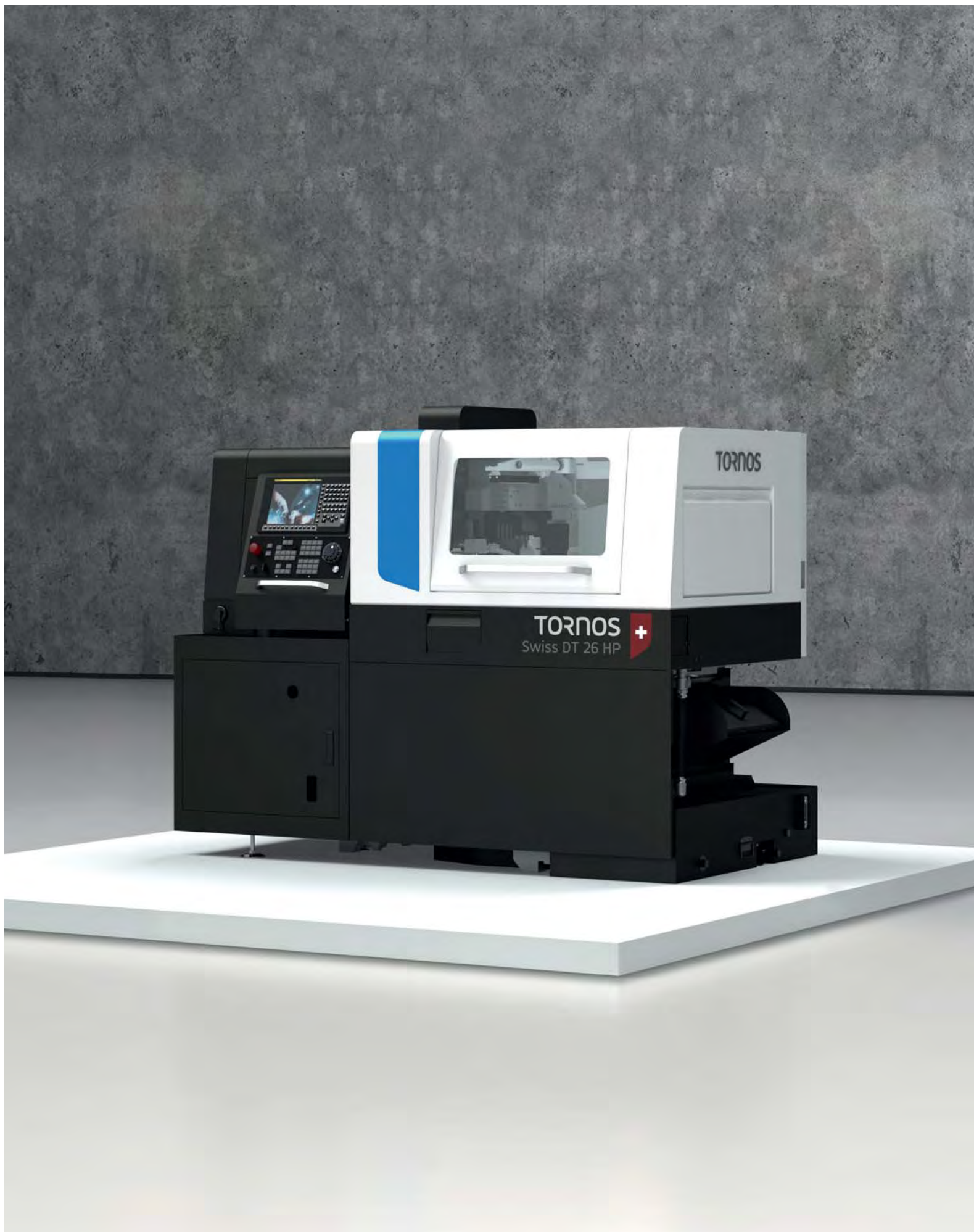
Options for all SwissNano 7 and SwissNano 10 machines

It is possible to install these options on both new SwissNano machines and existing machines.

Would you like to find out more? Don't hesitate to get in touch with your nearest Tornos representative.

[tornos.com](https://www.tornos.com)

Two new options on the counter operations are now available for the SwissNano 7 and SwissNano 10.



GUIDE BUSH WITH 4 POSITIONS:

A new option for even greater flexibility

Guide bushes with four positions are adapted to bar tolerances. Not widely known, this device adjusts to the precise tolerance (from h9 to h11) of the bar, at the point where the workpiece will be machined. Sometimes it is easier to find h11 grade material than h7 or h8 bars suitable for bar turning. As this saves both time and money, there are clear benefits for the customer.

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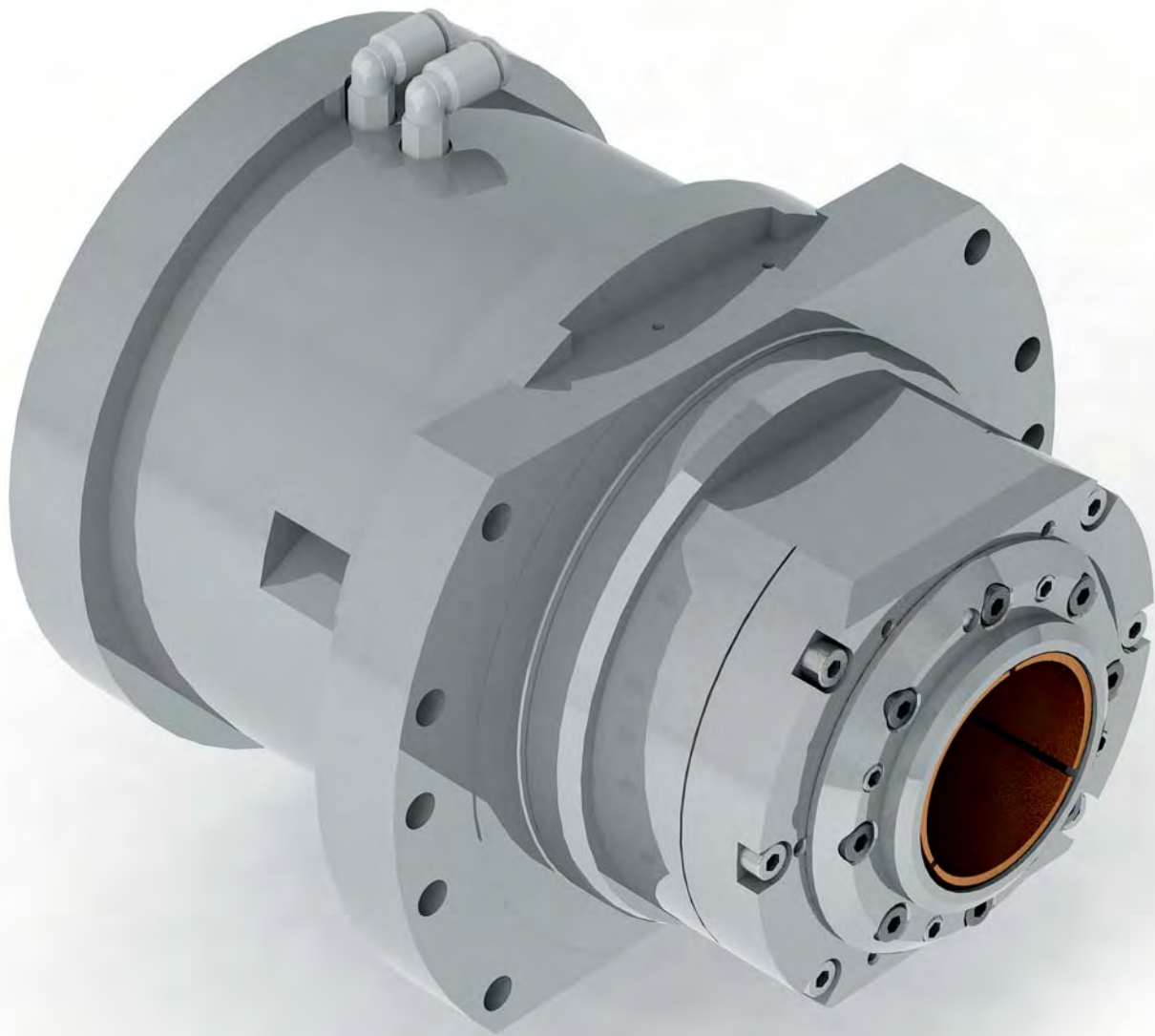
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The guide bush with four positions can guide, clamp and open automatically, depending on the user's needs. This is particularly useful when the price of material is rocketing. When it comes to costly materials, these savings are substantial. Now there is a guide bush with four positions offering greater flexibility. The rotating unit with four positions includes the classic clamping and opening position and two guide positions equipped with different settings. Depending on the operations to be performed, a greater or lesser level of guiding is required; it is possible to manage the forces to match the operations. Controlled by M functions, this device opens up new prospects for bar turning. Not only does it make it possible to work with less accurate material, but it can also be fine-tuned to the operations to be performed.

Given the challenges the market is now facing, this solution can be delivered quickly; the guide bush with four positions is easy to adapt and install on the machine.

This device rotates and features a pneumatic connection which allows the air pressure on the closing piston to be modified. The machine contains a series of electromagnetic valves, with the assembly controlled by M codes.

M code functions can be set to guide, clamp or open the guide bush. The 'set' position can be adjusted by a pressure-reducing gauge. The collet is changed at the front. This guide bush is very simple to use and highly flexible. Another advantage of the guide bush with four positions is that it enables machining without play in cases where the finish and precision requirements are high.



The four-position guide bush is particularly interesting when the price of the material is soaring

Benefits

- Compatible with h9 to h11 grade bars to simplify feeding.
- Eliminates the need to straighten out bars.
- The pneumatic guiding position easily clamps irregular bars.
- The exceptional clamping length resolves any potential problems with scratches on the bars. Machining with the Y-axis is guaranteed to be vibration-free with none of the other potential problems related to a guide bush that is not usually locked in place.
- When using delicate materials that tend to 'stick' in the guide bush (e.g. titanium), pneumatic clamping is the solution.
- The clamping length enables the bar to be moved back (45 mm) after preparatory machining, guaranteeing it remains gripped. This special feature is particularly useful when producing bone screws.
- Feed system: it is possible to clamp and open the bar in the guide bush and move it backwards and forwards with the spindle and Z1 axis.
This means the material can be fed in without using a supporting tool holder.

Please contact your nearest Tornos representative if you would like further information

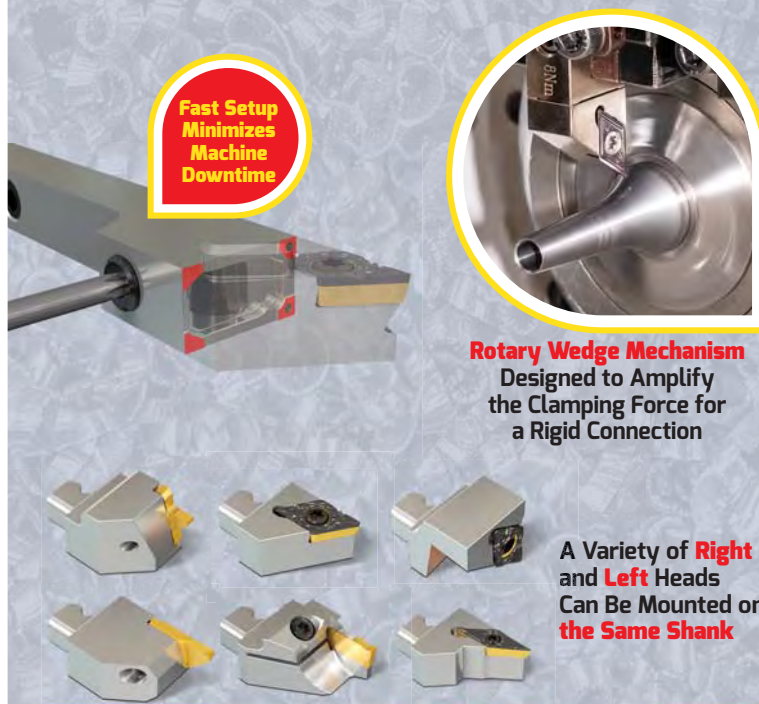
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IMTS

Chicago, USA - September 12/17

AMB

Stuttgart, Germany - September 13/17

MICRONORA

Besançon, France - September 27/30



Performance has a future



AMB in Stuttgart and IMTS in Chicago are the most important trade fairs this autumn, welcoming tens of thousands of visitors.

Tornos takes it up a gear

*at AMB in Stuttgart and
IMTS in Chicago*

“We are ramping it up”. This is the slogan that legendary Swiss automatic sliding headstock (Swiss-type) turning machine and multispindle machine manufacturer will adopt for the AMB trade fair in Stuttgart. Tornos will offer a similar introduction at IMTS in Chicago, which will take place during the same week in September. Tornos will be on stand A 11 in Hall 4 at AMB from the 13th to 17th and on stand 338578 at IMTS from the 12th to 17th.

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Existing and potential customers will receive a warm welcome at this autumn's two unmissable events. The trade fairs give Tornos the chance to demonstrate its machines in a context conducive to exchange and negotiation. After two years of the pandemic, everyone at Tornos is looking forward to rediscovering the joy of meeting customers in person, and exchanging ideas face to face, rather than through a screen.

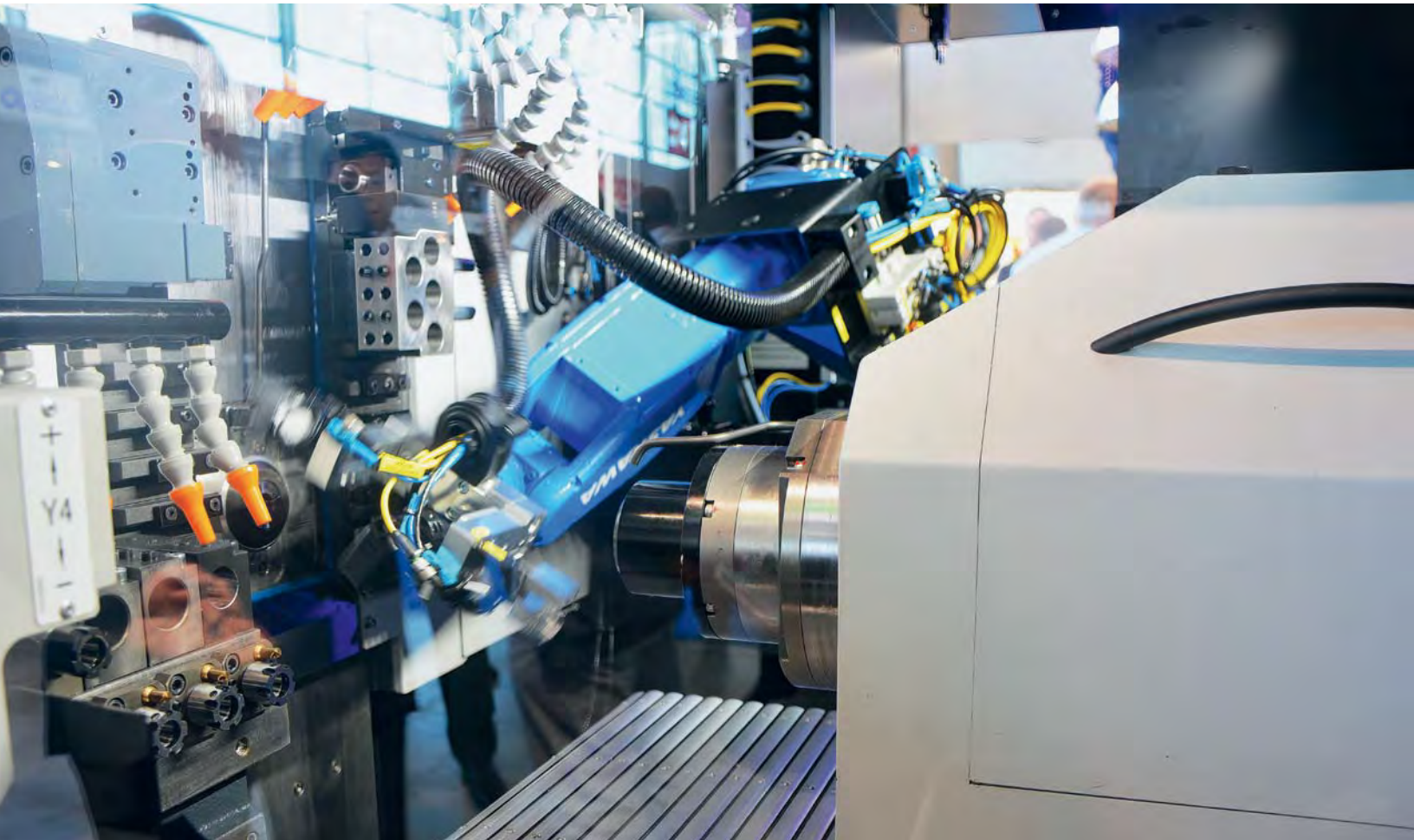
During the Coronavirus pandemic, Germany was quite a quiet market for the traditional lathe manufacturer, but now Tornos is getting back on track here too. To coincide with AMB, Tornos is launching a new campaign on the German market, proving that the manufacture of dental implants on numerically controlled multi-spindle machines is a more

economical alternative to traditional methods. The MultiSwiss is the jewel in Tornos' crown, demonstrating its technical excellence. This multispindle machine replaces up to five traditional sliding headstock lathes, both significantly decreasing the footprint and increasing productivity per square metre. The machine is so easy to program that even inexperienced operators can obtain excellent results. The hydrostatic spindle system allows premium surface finishes to be achieved, an absolute must in the dental industry.

The fact that Tornos plays a leading role not just in medical and dental technology, but also in the automotive industry, is proven by the two new Swiss DT 26 HP machines with six axes that will be unveiled for the first time at AMB alongside the SwissNano 10. The latter is a larger version of the SwissNano 4 and the SwissNano 7, which have already met with huge success in the micro-

machining sector, particularly in the watchmaking and electronics industries. With a capacity of 10 mm, this machine is now able to manufacture larger watch components, economically and with exact precision. With its six axes, the Swiss DT 26 HP is the pinnacle of flexibility and productivity and it has been specially designed to meet the needs of the electric mobility sector. The line-up for this trade fair is completed by a SwissDECO 36 TB and a Swiss GT 26, two tried and tested machines for the economical manufacture of standard turned parts which are highly complex yet require a high level of quality.

All the machines mentioned will be demonstrated using sophisticated workpieces. This reinforces the promise that 'We are ramping it up', and all visitors to AMB are invited to visit the Tornos stand at stand A 11, in Hall 4.



As for IMTS, Tornos will have a vast stand ready to welcome a huge number of visitors in the South Building, stand 338578. On display will be setups similar to those demonstrated at AMB. For example, the dental implant is made on the MultiSwiss 6x16. Customers will be able to discover amazing innovations, including the Swiss DT 26 HP with 6 axes which will demonstrate all of its astounding capacities, along with the SwissNano 7, which will be used to create a dental implant.

American visitors will be thrilled by the guest star - the return of one of Tornos' bestsellers, the DECO 10, which has undergone a stunning overhaul for its 25th anniversary. Customers who already own one will have the opportunity to trade in their old machine for a redesigned, higher-performance version.

Tornos looks forward to greeting you in person at long last – in the second week of September, either in Chicago or in Stuttgart, and helping you to assess your requirements. The exhibitions will provide the perfect opportunity to discover the full range of Tornos machines in the perfect context, conducive to dialogue and negotiation. Let's continue 'Turning Together'!

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Naiane Nunes, General Manager for North America and Brazil, at the inauguration of the customer service department in Campinas, São Paulo.

On Brazilian Soil

Tornos has opened its Customer Center in Campinas, São Paulo, with an exclusive show by the band Jota Quest. The programme included a talk by Abimei, a portfolio presentation and the showcasing of the Swiss DT 26 HP, the Swiss GT 13 and the SwissNano 7 machines. In the evening, the guests celebrated to the sound of one of the most famous pop rock bands in the country.

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The 21st of July 2022 will go down in the history of the Brazilian industry – the day Tornos officially opened its first Customer Center in Brazil.

To celebrate, the company held two major events, which were attended by customers, suppliers, partners and the national press. “In 2020, we returned to Brazil. We decided to create an operation that could bring Swiss technology closer and strengthen the bond, support and opportunities for the industry in Brazil. We held these events to honour the industry’s potential in the country and celebrate the company’s positive results here,” says the Director of Operations in North America and Brazil, Naiane Nunes. CEO Michael Hauser and CSO Jens Thing attended both events.



From left to right: Naiane Nunes, General Manager of North America and Brazil, Daniel Xavier de Moura, field technician; Mayara Wachsmann, sales administration and support; Michael Hauser, CEO of Tornos and Jens Thing, CSO of Tornos.



Open House

During the Open House, guests had the opportunity to attend a talk by the Executive President of the Brazilian Association of Importers of Machinery and Industrial Equipment (ABIMEI), Paulo Castelo Branco, who addressed the current economic landscape and opportunities for the industry. "The event was great because it completely aligned with the mission we have always worked towards at ABIMEI, which is for high-tech companies to set up in Brazil, allowing our industries to update technologically and promote the re-industrialization of the country," comments Castelo Branco. Tornos application engineer Ricardo Machado Fagundes Oliveira presented the company's portfolio, after which the Tornos team demonstrated the machines displayed in the showroom - the Swiss DT 26 HP, the Swiss GT 13 and the SwissNano 7.

This new space dedicated to customers, partners and training was created to meet the demand of the national market. "Our objective is to be ever closer to customers – after all, several Tornos machines are operating in the country – and we aim to contribute to the growth and development of the machining and manufacturing markets," says Nunes.

Strategically located ten minutes from Viracopos international airport, the 300 m² showroom features the main machines in the portfolio, a training space, a lounge and a meeting place for partners, suppliers and customers. Trained professionals are on hand to meet the particular needs of each client. The training space "is designed to professionalise and promote the labour market in the area, since each company and division has their requirements," says Nunes. With its complete infrastructure, the space has the capacity for up to ten people per training session.





Jens Thing, CSO at Tornos says that Brazil has the ninth largest economy in the world and the foremost machining market in Latin America. "The market is growing and the industry is investing in state-of-the-art machinery and tools. With the Customer Center in Campinas, we are even closer to this thriving market and these companies, and ready to support them with our legendary experience,

cutting-edge machines and customer-focused services," he explains.

Grand Opening

In the evening, at the Grand Opening event, guests were welcomed to the Royal Palm Hall, where they could enjoy a wonderful dinner, drinks and a



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prize draw. The highlight of the evening was the performance by the most famous pop rock band in the country, Jota Quest. It is undoubtedly a privilege to watch such an exclusive and intimate show. "It was

a pleasure to receive our special guests and celebrate the success of each one: loyal customers, newcomers, partners, service providers, and the team that dreams and achieves together," says Nunes.

For CEO Michael Hauser, it's always very exciting to be in Brazil. "I'm especially proud of the company's continued investment in the Brazilian market. Tornos and Brazil are heading toward an exciting future together. I say 'exciting' because the future here is promising and Tornos is proud to be a part of it," he says.

tornos.com





Microprecisione decided to place its trust in Tornos right from the start, way back in 1993.

Great success

*in dental implantology thanks
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Microprecisione S.r.L., a company specialising in manufacturing dental implant systems, uses state-of-the-art technology to create precision products that are designed to cater to the needs of the customer.



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Right from the start in 1993, Microprecisione has placed its trust in Tornos, making full use of Tornos machines to produce high-precision mechanical components. The machines allow the company's highly qualified team to create innovative products with the highest quality and reliability.

Reliability, quality and stability are the three watchwords of Microprecisione. The company, which has always used the best materials available on the market, is based in Modena in the heart of the Emilia Romagna region of Italy.

As General Manager Antonella Ciarmoli points out: "We work with specialist companies in the dental and biomedical sector, producing innovative products of exceptional quality and reliability. Thanks to our highly qualified team, we design, develop and manufacture cutting-edge dental implant systems, using state-of-the-art technology to guarantee the high quality of our products."

“Tornos is always a reliable partner, constantly at our side, offering advice to enable us to produce certain essential parts in the field of dental implantology and prostheses”

In 2021 the company opened its new headquarters in Via Cavani 120, also retaining its original production site in Via Del Tirassegno, equipping both facilities with a full fleet of CNC automatic turning machines and machining centres to meet the individual requirements of each of its customers.

The combination of modern technology and extensive experience makes Microprecisione a rare gem in the sector.

The company has put its trust in Tornos from the very beginning. The current facility has no fewer than 12 machines, most of which are EvoDECO machines, apart from a few older models, as Microprecisione still runs its DECO 13 and Gamma machines.

“Our company has grown exponentially since 1993,” explains Antonella Ciarmoli. “Last year our turnover increased by 45% to nearly €9 million, and we have already ordered new Tornos machines – EvoDECO, of course.”

Experience serving specialised customers

Microprecisione has been based in Modena for almost three decades. Over the years, the company has continued to improve the quality and technology of its equipment and today it showcases the excellence of mechanical production in the Modena region.

From its earliest days, Microprecisione has focussed on the dental market, specialising in the production of implants and dental components for third parties. Thanks to continuous investment to upgrade and expand the machinery, the company is always keeping pace with the latest technological developments. It currently has 42 employees.



Key elements in the close collaboration between Tornos and Microprecisione are the competence and professionalism of the Area Manager, Massimo Lonardi.

"Tornos is always a reliable partner, constantly at our side, offering advice to enable us to produce certain essential parts in the field of dental implantology and prostheses," stresses Antonella Ciarmoli. "Massimo Lonardi has always been there to help in selecting the right equipment and has proven to be a reliable partner, and one who is always available to meet the needs of our company. We are delighted with this excellent collaboration."

Microprecisione has always felt that relationships based on trust and reliability are fundamental, and therefore staff turnover is very low.

Antonella Ciarmoli herself has worked there for 27 years; she explains "For women in this male-dominated work environment, it can be a real, on-going challenge to be seen and heard as an equal. That said, with the support of the founding partners

Ferigo Renzo and the Mucchi brothers, and by making the most of the collaborative efforts of a cohesive and competent team, we are committed to finding solutions for our customers by implementing strategies aimed at developing and growing the company. My position of General Manager is highly satisfying and allows me constantly to look into the latest innovations and continually changing technologies."

Implant systems and prostheses

Microprecisione produces a wide range of dental implants to meet the requirements of the professionals in the sector. It also supplies a wide range of high-quality prosthetic parts and surgical instruments made from high-grade materials. Furthermore, it designs and develops customised solutions to meet





Microprecisione produces a wide range of dental implants on its EvoDECO 16.



the specific requirements of the customer, from small companies to large-scale distribution networks. It creates efficient, creative solutions, aimed at achieving complete customer satisfaction. In past years, the versatility of the Tornos machines have allowed them to also machine parts for the automotive and aerospace industries, as well as for printing and bonding systems.

Manufacturing products that always exceed expectations

Microprecisione manufactures a wide range of dental products for implantology, and designs and creates customised solutions to satisfy the requirements of each customer.

The company creates products based on drawings or samples and often collaborates to solve any problem that might prevent the product from functioning, offering help and advice to the customer from the design stage onwards, working together in close collaboration.

The main aim of Microprecisione is, and always has been, to provide the customer with products that exceed expectations in terms of quality. This is achieved thanks to specialised technical staff who, with modern computerised profile projectors, ensure quality control throughout the entire manufacturing process.

microprecisione.com

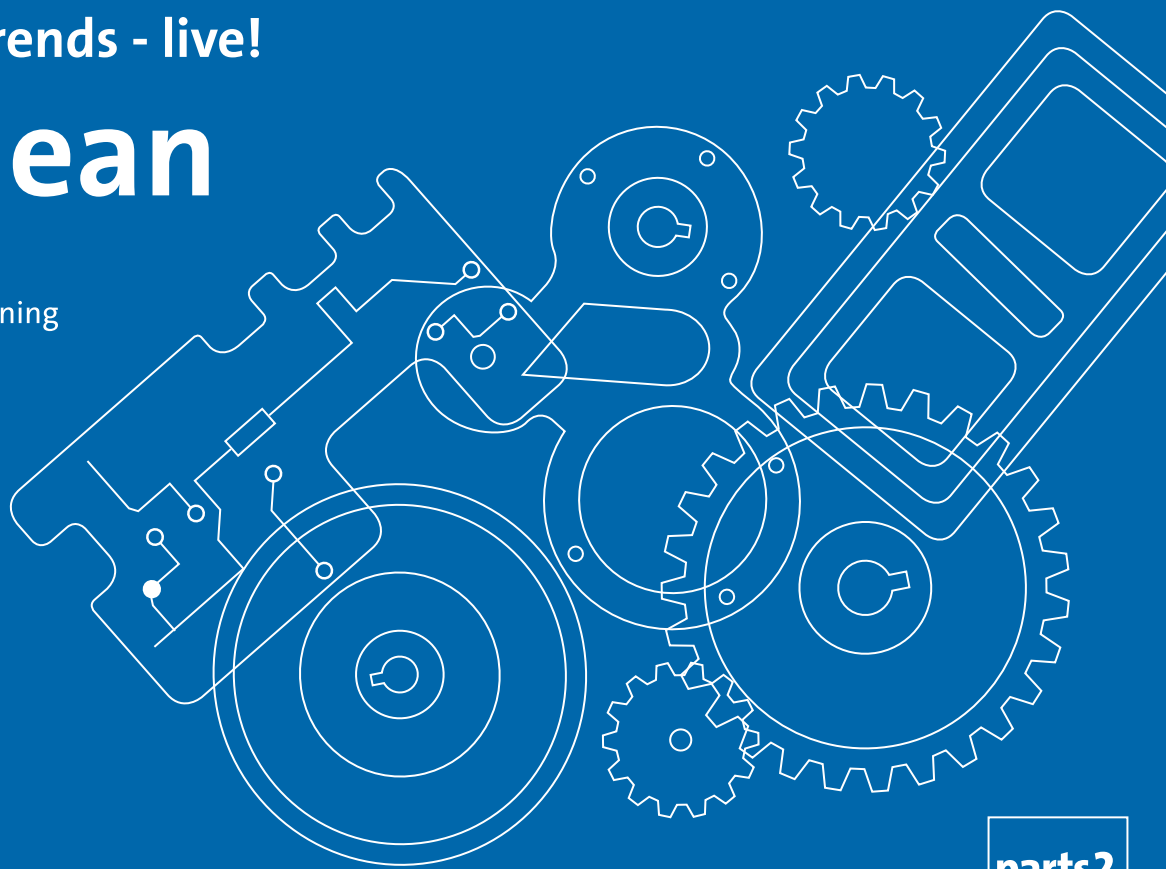
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The Challamel Hervé company is a genuine family business, founded in 1970 and managed first by Hervé Challamel himself, then by his son Fabien.

Challamel Hervé:

High speed, reliability and precision

Challamel Hervé is a small, yet extremely dynamic company based in Cluses, a commune in the French region of Haute-Savoie. Its mission statement is quite simple: the company attaches maximum importance to the impeccable machining quality of the workpieces produced. In recent years, zero customer returns were recorded by Challamel.



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The company was founded in 1970 by Hervé Challamel, the father of the current director Fabien Challamel who followed in his father's footsteps in 2015. In the beginning, the core business was the production of parts on transfer machines based on rough sketches. Today, this is one of the company's core competencies as Challamel Hervé still uses several transfer machines to produce parts of diameters ranging from 6 to 25 mm in batches from 5000 to several millions of parts per year. In addition to this activity, the company also produces parts from all types of material on numerically controlled machines in batches ranging from 5 to 10,000 workpieces.

The Challamel Hervé business is divided into four areas:

- **Sales**
Quotation: feasibility studies and risk analysis
- **Anticipation**
Planning, procurement of materials and tools, ISO programming

- **Production**

Meeting the targets concerning cost, deadlines and quality

- **Quality control**

Validation of products, filing of documents

Traditionally, the main business sector of Challamel Hervé has always been the automobile industry, so the quality system was tailored to the rigorous quality requirements of the highly demanding customers of this sector. In 2008, Challamel took the first step toward ISO:9001 qualification.

A dynamic structure

Its business structure is Challamel Hervé's great strength. The employee entrusted with a quote assumes full responsibility for it. He or she is in charge of planning and production and also monitors the manufacturing process. The same employee implements strict quality control standards since quality control is the company's key value. Fully aware of the fact that it's the quality that sets his company apart from its competitors, Fabien Challamel defines the quality assurance approach as regular and rigorous.

“Based on a calculation of the cycle times, our customers can carry out studies of extreme precision and this gives them a real competitive advantage”

The parts produced are highly complex but can be manufactured in record time anyway - thanks to the high expertise of the company.

A thoughtful and profitable purchase

In 2020, Challamel decided to invest in a Tornos Swiss DT 26 as this machine can help the company expand its capabilities and increase its efficiency. The proven kinematics of the Swiss DT 26 features



five linear axes. The machine is equipped with high-performance spindles with 10.5 kW of power for front and back machining.

Today, users are forced to tackle numerous challenges. They must quickly respond to the requirements of their customers in an often uncertain environment. Against this backdrop, it is very important to be able to quickly respond to any demand. With its modular machining area that enables even the most advanced machining operations, the Swiss DT 26 is the ideal machine for these requirements. On the one hand, the machine can combine various operations on one machine and thus reduce the cycle times and improve the production quality. On the other hand, the machine is highly flexible due to its numerous capabilities. The high-pressure pump, for instance, allows efficient chip flow management. With the Swiss DT 26, the company can improve its competitiveness in the market.

TISIS: an invaluable ally

The TISIS software allows for the quick start-up of the machine. "Based on a calculation of the cycle times, our customers can carry out studies of extreme precision and this gives them a real

competitive advantage," Fabien Challamel declares. With TISIS, manufacturing processes can be programmed in advance.

A very positive outcome

Even if the Swiss DT 26 had first been intended to consolidate the various sectors of the company, it soon put Challamel Hervé in a position to conquer new markets. The operators are perfectly familiar with the machine and can machine almost any workpiece from a metal bar.

"We are one of the links of the subcontracting chain of the Arve valley. We keep developing and we can realize complex parts of impeccable quality with short deadlines," Fabien Challamel concludes.

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