



## We offer:

Precision and a diversity of services.

For nearly 100 years.

Made in Germany.

**1920**

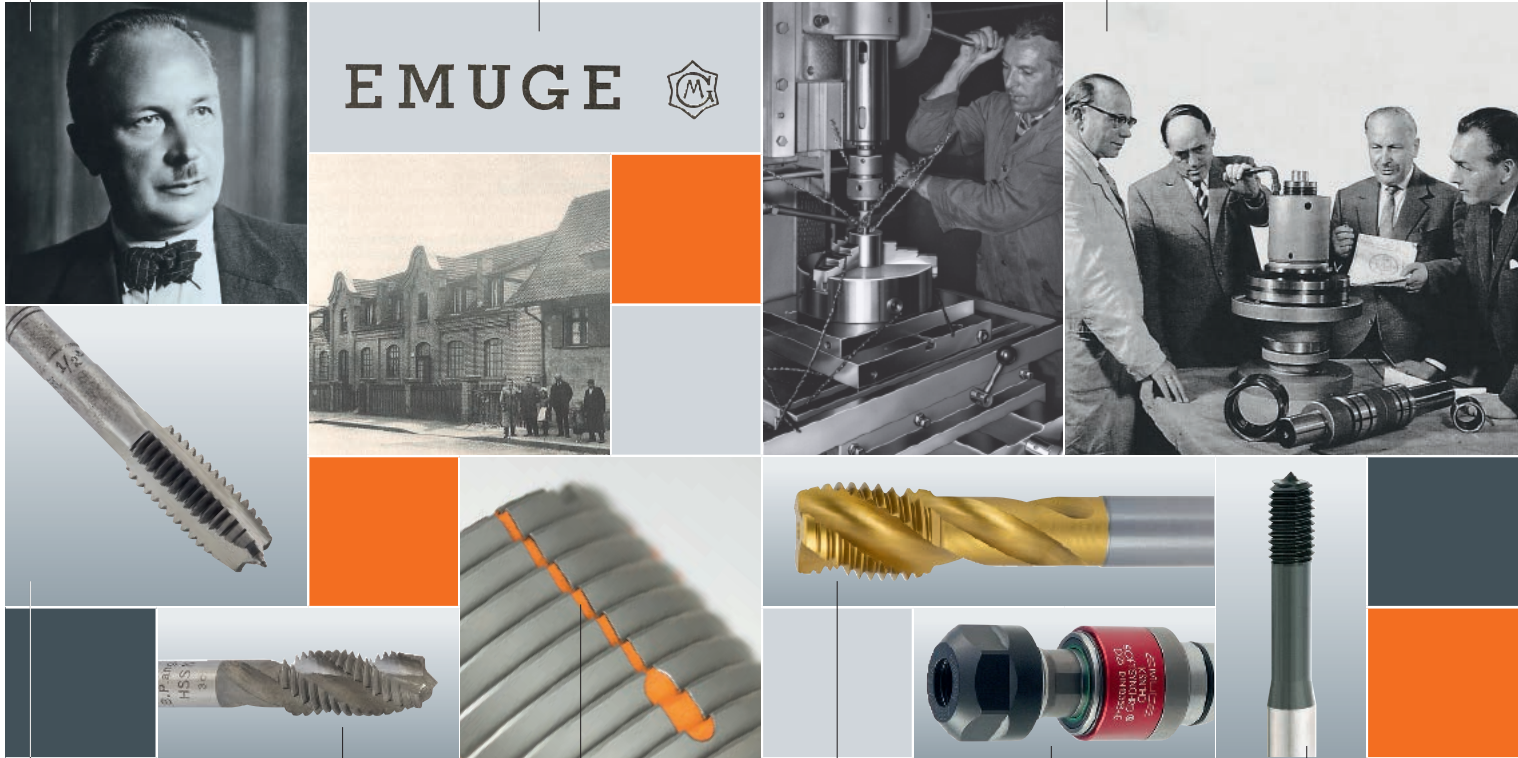
Foundation of Präzisions-Werkzeugfabrik Nürnberg-Lauf Moschkau & Glimpel by Richard Glimpel

**1933**

Registration of brand name EMUGE (acronym of German phonetic spelling "M u G" for "Moschkau und Glimpel")

**1950**

Acquisition of production and sales license of "Spieth" clamping system



**1920**

Single-finishing tap with spiral point

**1953**

Tap with steep spiral flutes

**1960**

Clamping of workpiece with buttress thread

**1981**

TiN-coated taps

**1998**

Softsynchro® tap holders

**2005**

InnoForm cold-forming taps

## MILESTONES

# The development of our company.

What sets us apart from other companies? It is our knowledge of how to combine individual services into a complete system and to bring these to market in a user friendly way that inspires our customers. Our connection with our customers is not only based on the supply of the most innovative precision tools but also on the common objective to develop practical solutions – now and in the future.

**1956**

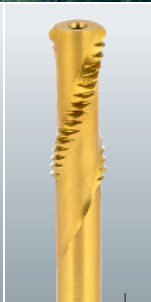
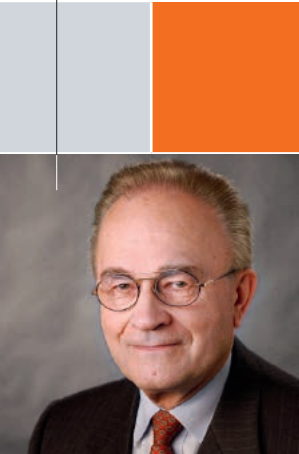
Helmut Glimpel, the current owner and managing director joins the company

**1958**

Acquisition of company FRANKEN, Rückersdorf

**2010**

Completion of the new EMUGE company building



**2010**

Speedsynchro® Modular collet holder

**2012**

Circle segment end mills oval form

**2014**

Punch Tap threading technology

**TODAY**

Two generations of the entrepreneurial family Glimpel: (LTR) Cornelia Glimpel-Pompe, Thomas Pompe, Helmut Glimpel, Gerhard Knienieder and Ulrike Glimpel-Knienieder

Since our foundation in the city of Lauf an der Pegnitz in 1920 we have been committed to precision and innovation. For almost 100 years EMUGE-FRANKEN has consistently created technological milestones in the threading, drilling, gauging, clamping and milling technology with the brand names EMUGE and FRANKEN. To date this creativity has blossomed into a diverse range of products and services which save time and money – to the benefit of our customers. This outlook will continue across future generations.





## **PARTNER OF NUMEROUS INDUSTRIES**

# We complement each other: That is why we are a perfect match.

Our objective is to optimise your production processes thus improving efficiency – in different industrial sectors from mechanical engineering to medical technology. Achieving this objective is the focus of our research and development.

Our performance is based on a wide variety of skills and experiences of our experts as well as on state-of-the-art production methods and a comprehensive quality assurance. In addition to our standard range of over 40.000 stock items, we develop together special tools for your requirements and adapt them to your applications and machine conditions.

This enables us to offer our customers a tool programme which keeps growing with the increasing demands of different markets.



*“The cooperation with EMUGE-FRANKEN enables our customers to benefit from a wide variety of individual solutions. They have access to the supply of system solutions and high-quality precision products.”*

*Reinhard Meier | Technical Service*





*“We offer a diverse range of standard tools as well as customer specific products. With this approach we are able to offer taps which are perfectly adapted to various applications.”*

*Christian Dörfler | Thread Grinding Division*





## THREAD CUTTING TECHNOLOGY

We have the **experience.**

You can create high-quality internal threads with our taps and cold-forming taps. We provide these tools for all common thread systems in a wide variety of dimensions. Our tools are suitable for a broad range of materials thanks to their well-matched cutting geometries and surface treatments.

Our twist drills provide an excellent drill hole quality and they are a perfect match to our threading tools. Accurate centering characteristics and an optimised cutting behaviour provide the best possible efficiency and productivity.

We offer you a select programme of dies and thread rolls for the reliable production of external threads. In addition special rolling dies are available for practically all of your machining requirements.



## THREAD CUTTING TECHNOLOGY

# We have the **foresight.**

The technologies of thread production continue to undergo constant development. For example, thread milling can be a useful alternative to thread cutting or cold forming of threads. A broad range of thread milling cutters from a simple thread mill for the production of internal and external threads to a circular drill thread mill are available.

Consistently committed to innovation, we scrutinised and rethought existing methods and together with a partner in the automotive industry we developed new motions for thread production. Our Punch Tap technology, a process for the helical cold forming of threads, launches a new dimension of productivity in the production of internal threads. The significant shortening of the tool path provides enormous saving potentials in time and energy particularly for series production.

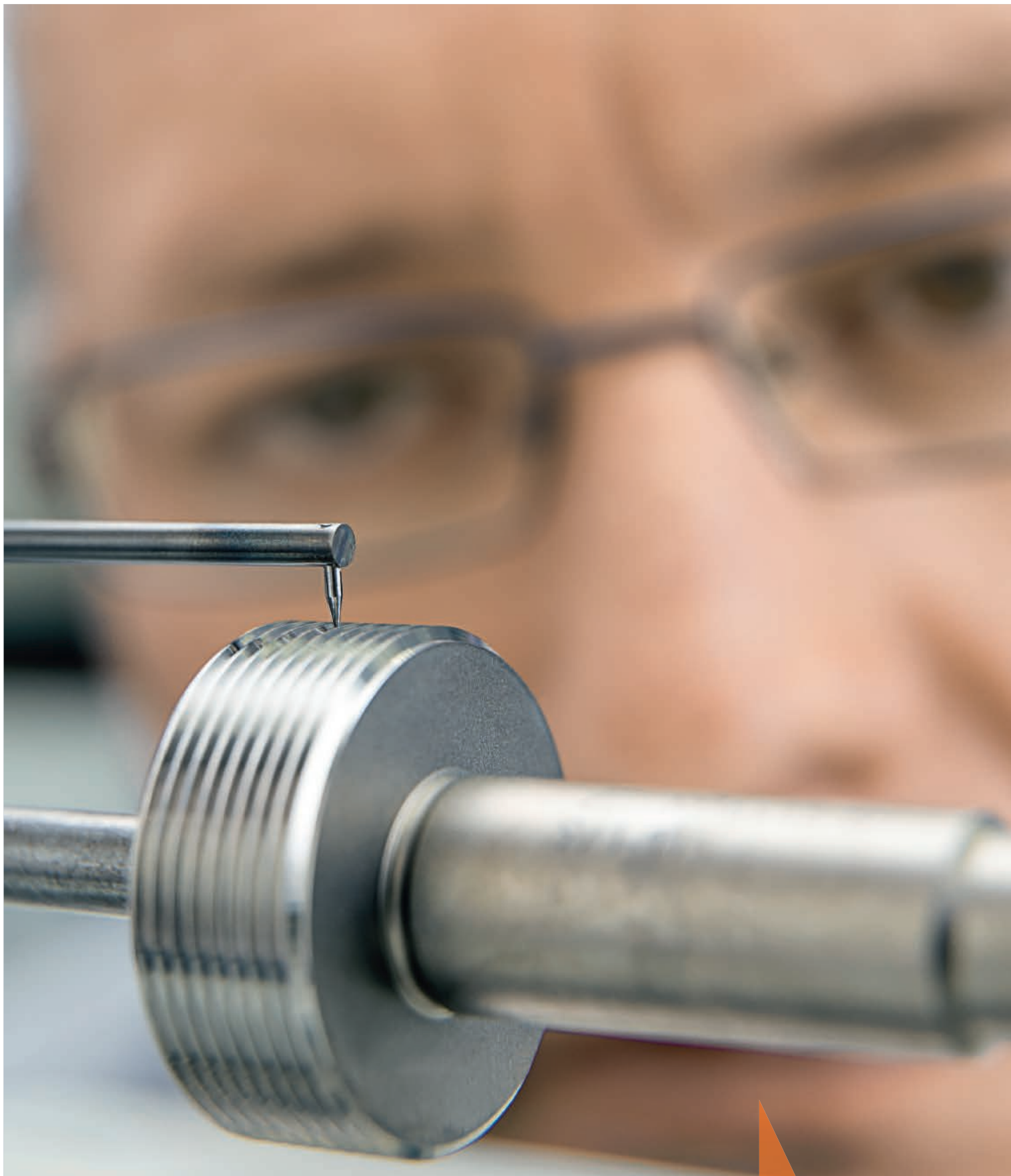
In addition to the permanent optimisation of our tools we always seek to implement the results of our research and development into a product design which provides benefit to our customers.



*“Shortening the tool path and reduction of the main machining time are only two of many additional arguments in favour of our innovative Punch Tap production technology.”*

*Johannes Nold and Marko Übler | Tool Design*





*“As an accredited calibration service provider we put special emphasis on accurate gauging and documentation of the different measuring equipment for our customers.”*

*Siegfried Göbel | DECOM UGK*





## THREAD GAUGING TECHNOLOGY

We provide **safety.**

Our thread gauges enable you to organise your production processes in a safe and therefore economically efficient way. Any dimensional and form deviations as well as worn or unusable threads can be recognised at an early stage. Gauges made from special gauge steel are available ex stock for a large number of thread systems and tolerance ranges for all practical applications. In addition, we also manufacture thread gauges to individual specifications.



Our cooperation partner DECOM UGK located on the EMUGE premises is available for the calibration of your gauging and measuring equipment. DECOM UGK is a DAkkS-accredited test laboratory for length and other geometrical measuring parameters. The web portal KalimeroNet [www.decom-ugk.de](http://www.decom-ugk.de) is available to customers free of charge to manage their testing equipment in a fast, simple and reliable way.



## TOOL CLAMPING TECHNOLOGY

# Optimal solutions for rapid tool change.

Our complete programme of quick-change and collet holders for threading tools offers you numerous options, such as minimum length compensation for improved quality of thread and tool life, minimum quantity lubrication provides cost advantages. An integrated transmission gear provides significant time and energy saving, leading to an increased use in series production.

A wide range of clamping tools is available for the accurate clamping of milling cutters and drills. They provide extremely high precision with tight tolerances and excellent run-out properties. And they are used to clamp various designs of straight shanks in a process reliable manner.

Our induction shrink-fit device SHRINK-MASTER offers the possibility to shrink and shrink-release any tools with a plain straight shank into the appropriate tool holder.





*“The Speedsynchro® Modular enables our customers to significantly reduce cycle time and energy. As a result the economic efficiency in thread production increases.”*

*Thomas Berschneider | Research and Development*

*“The  $\mu$ -accurate clamping of your workpieces is the result of a precise analysis of your production process and our detailed planning phase.”*

*Roland Meyer | Clamping Tools Assembly*







## TOOL CLAMPING TECHNOLOGY

# We develop bespoke clamping devices.

If you require your workpieces clamping  $\mu$ -accurate with high repeat precision we are your ideal partner. We can offer bespoke clamping tools to meet your precise application requirements, taking into account all conditions such as machine connection, machining process or your desired accuracy.

We have extensive experience in customised clamping tools, this results in clamping devices specifically adapted to your machining processes which will reduce production costs and provide optimal results.



## MILLING TECHNOLOGY

From standard to specialised milling tools.  
**We will provide an overall benefit.**

Milling technology is our strength. The diversity and wide range of cutting materials along with the high standard and uncompromising precision of our milling programme meet the highest quality requirements and are suitable for almost all workpiece materials.

The production ranges from standard end mills with shank or bore from HSS and carbide to highly precise special form and profile milling cutters. PCD- or CBN-tipped end mills and milling cutters with indexable inserts are also available. An extensive range of milling chucks completes our stock programme.

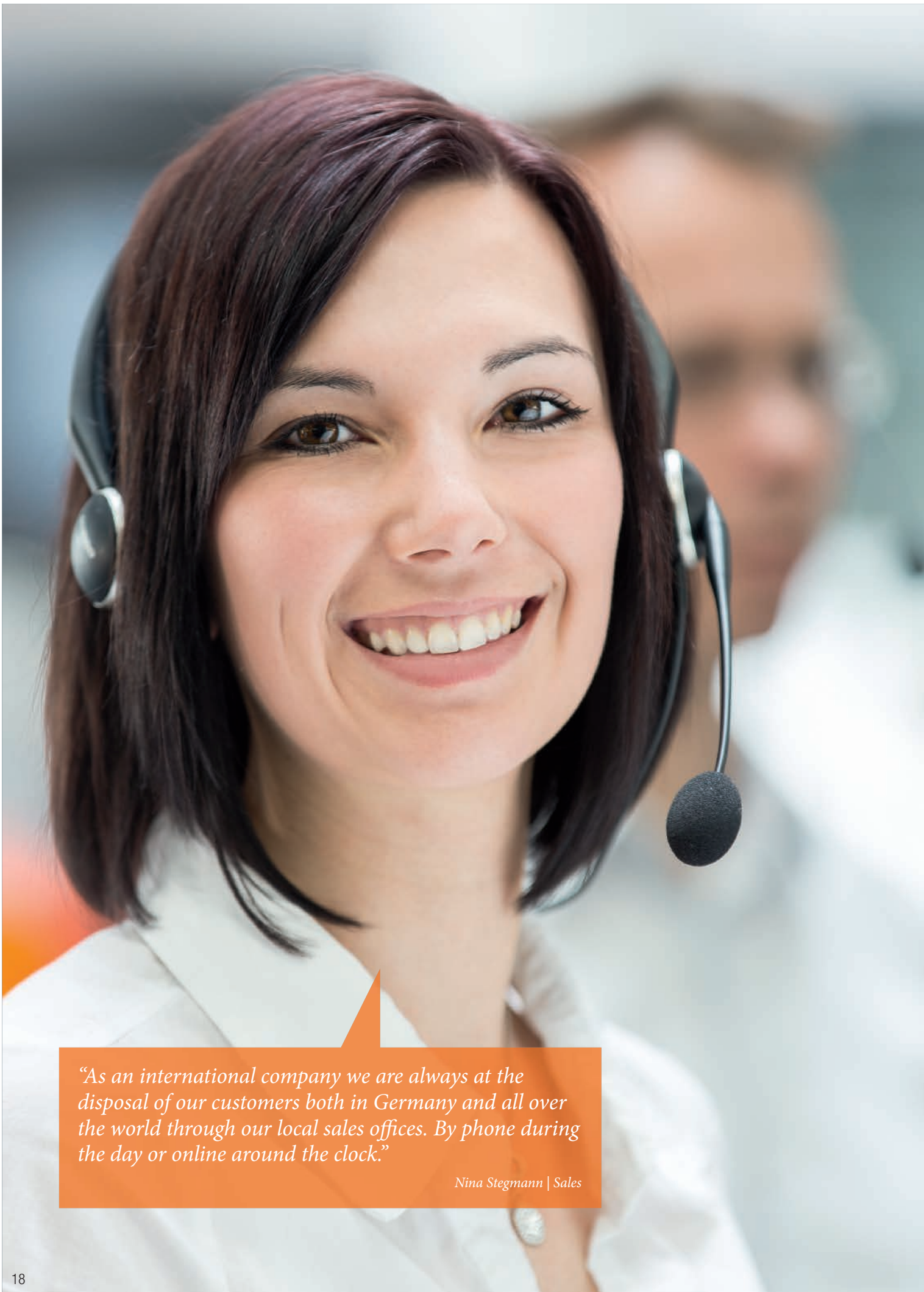
Our development of future oriented milling technologies offers our customers new possibilities of machining. We are happy to advise you in your applications and our development department is committed to supporting you during development and implementation of modern milling strategies on your machines.





*“FRANKEN milling tools meet the highest quality requirements thanks to their diversity and wide range of cutting materials, along with their uncompromising precision.”*

*Thorsten Günther | Machine Tool Operator*



*“As an international company we are always at the disposal of our customers both in Germany and all over the world through our local sales offices. By phone during the day or online around the clock.”*

*Nina Stegmann | Sales*





## SERVICE | COMMUNICATION

# Let us keep in touch.

Quality is only useful if it is easily available. Therefore we are represented in all important industrial nations worldwide. You can find our global locations along with contact data on our homepage [www.emuge-franken.com](http://www.emuge-franken.com). Our sales staff and our Technical Sales Engineers would be happy to assist you. We would be pleased to meet you at one of the numerous events where we are represented.

Please refer to our homepage for upcoming exhibitions, workshops and events as well as the latest information on attractive new products from our company. In addition our multi-lingual tool guide "Tool Finder" is at your disposal to assist you in choosing the most suitable tool.

Our multi-lingual internet-service EFIS informs you about our on-stock tools. You can very easily order them online. We also keep you informed in our social media channels and technical portals on the internet.



## SERVICE | TECHNICAL ADVICE

# We are committed to solving your problems.

Our application engineering specialists are at your disposal worldwide. We can assist you by phone or on-site and support you in solving your technical problems. We can implement new concepts and offer support for the optimisation of your production processes.

We test your materials in our test workshop and recommend the optimal tool.

We will develop and design special tools specifically for your needs.

Our service also includes system solutions. The close cooperation of our OEM team with the manufacturers of machines provides us with a comprehensive insight into process parameters. As a result we can develop and implement the most suitable and economically efficient production solutions.

In addition to our training workshops and seminars worldwide, our customers are always welcome to participate in our special workshops.





*“Together we solve the production challenges of our customers. Our tools and machining strategies are perfectly tailored to the components being produced.”*

*Anton Heilmann | OEM and Christian Brunner | Technical Service*





*“The development of our own coatings is based on the latest scientific methods. As a result, an application-specific optimised coating will significantly increase the tool life of our products.”*

*Sabrina Walther | EMUGE Coating Centre*





## SERVICE | PRODUCT

# Precision has a long tradition with us.

We have always carried one of the most extensive stocks within our industry. Processes perfectly matched to each other guarantee a fast shipment to our customers. Likewise any special modifications can be implemented at short notice.

Even the best drilling or milling tool will require regrinding. We offer a regrinding service which provides a quality comparable to new tools. Tools can also be recoated in our coating centre. Here our own specialists develop and optimise EMUGE-FRANKEN-specific hard coatings.

Our diverse knowledge and experience represents an enormous wealth of information which we make readily available to you. In addition to extensive catalogues we offer special brochures on products and applications, overviews and much more.



Argentina · Australia · Austria · Belgium  
Bosnia-Herzegovina · Brazil · Bulgaria  
Canada · China · Croatia · Czech Republic  
Denmark · Egypt · Estonia · Finland · France  
Germany · Great Britain · Hungary · India · Indonesia  
Iran · Ireland · Israel · Italy · Japan · Latvia · Lithuania  
Luxembourg · Malaysia · Mexico · Netherlands · Norway  
Poland · Portugal · Romania · Russia · Sweden · Switzerland  
Serbia · Singapore · Slovakia · Slovenia · Spain · South Africa  
South Korea · Taiwan · Thailand · Turkey · United Arab Emirates  
United States · Vietnam

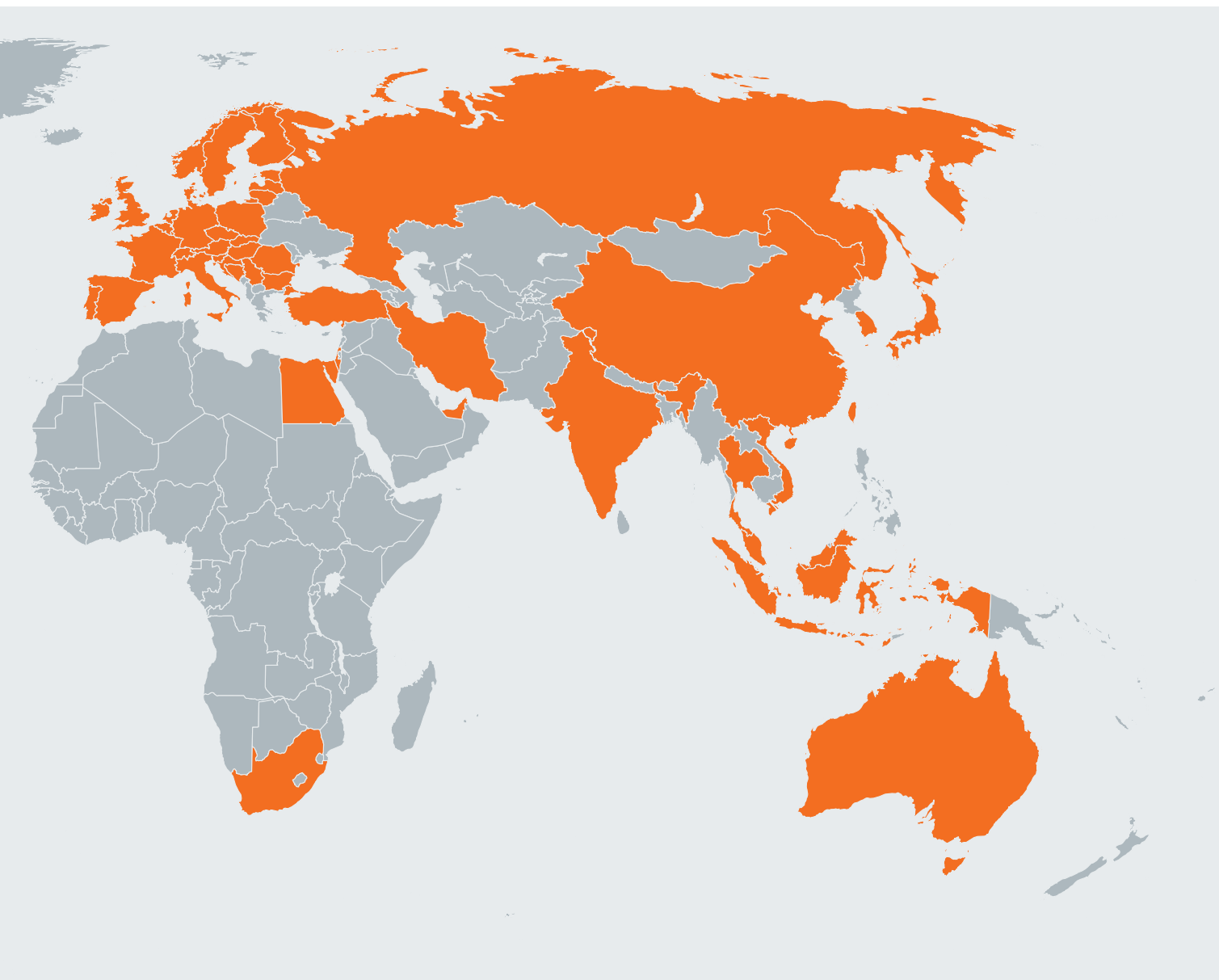


## GLOBAL CUSTOMER SUPPORT

**We are local.**  
In Germany and worldwide.

EMUGE-FRANKEN is an open-minded and cosmopolitan company at home anywhere in the world. More than 400 advisors are in direct contact with our customers and guarantee individual consultation on-site.





The international expansion of our corporate activities started in 1983 with a step to the US. Our additional subsidiaries were quickly established worldwide. Currently we are represented in all important industrial nations in the world.

No matter where our products and services are required, we strive to satisfy our customers – worldwide.

You will find your local EMUGE-FRANKEN contact person on the internet [www.emuge-franken.com/sales](http://www.emuge-franken.com/sales).



**DIVERSELY UNITED BY ONE GOAL**

# Together we are EMUGE-FRANKEN.

Markets, products, services – more than 1.700 employees worldwide are committed to meeting a wide range of customer needs. Approximately one quarter of our staff works outside Germany.





Different nations, skills or talents – together we will create innovative solutions, from standardised to customised, worldwide or locally. This diversity of services connects us and represents our name.

**EMUGE-Werk Richard Glimpel GmbH & Co. KG**  
Fabrik für Präzisionswerkzeuge

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