



Convincing with outstanding solutions:
high performance at the workpiece.

machine tool division



mit uns technisch überlegen


'With a passion for technology we at GEORG have been developing inspirational solutions for generations which is being driven by both our success and our customer confidence.'

Mark Georg
CEO & Chairman of the Board





That is GEORG.



'future-driven knowledge' – GEORG
welcomes you where the future starts.

Our Company history from its birth to date is a signpost for a strong future. Founded in 1948 as a visionary one-man business, GEORG today is a successful family-owned company and a global player. We link the experiences of several generations to meet the technical challenges and to create new market impulses.

What we have in common is our belief in entrepreneurial sustainability. Our employees with their passion for technology, as well as our common responsibility for what shall be preserved, are always in the focus of all our actions.

This attitude finds its expression also in the faithful, cooperative relationship with our customers and suppliers who are an essential part of our culture. For them we use our specific knowledge and skills in order to develop progressive solutions, thus producing superior technical results. **That is the GEORG Way.**



finishing lines division

Our finishing lines have been designed for sustainable efficiency: with extremely short set-up times, easy operation with minimum personnel and perfect, process-controlled operations. Using our leading technological solutions we ensure our customers success in the future.



transformer division

With proactive strong partnerships, using our expandable modular design and intelligent upgradable line control, we design state of the art process lines and equipment for the production of transformer sheet. We are world market leader because our customers rely on our technology.



manufacturing division

Use our know-how and the range of mechanical machining that we offer in the areas of turning, drilling and milling. With our services, you will benefit from the many possibilities we offer with reliable GEORG quality in regard to your extended workbench.



machine tool division

In close cooperation with our customers we develop and produce extraordinary tooling machines that perfectly fit any requirement. Creativity and superior knowledge lead to innovative and technically leading turnkey solutions for maximum long-term manufacturing results.

The company divisions – grown by experience

With the development of pioneering technologies we not only rely on years of experience, but inspiration to improve our processes by exploring new directions in different fields to deliver creative solutions.



'Our customers require high precision results.
With us, they can rely on them.'

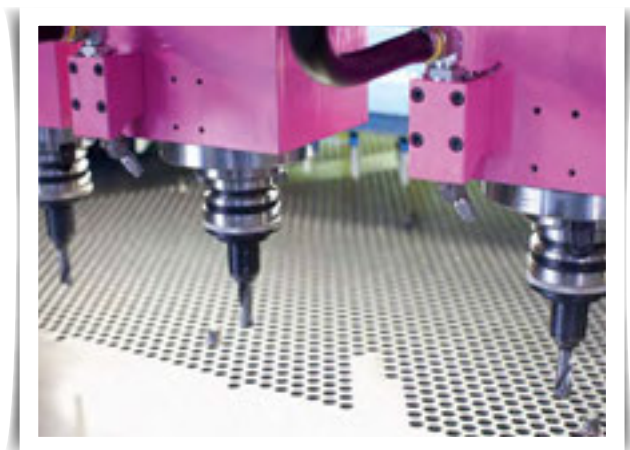
Reinhard Helmer
Managing Director machine tool division

GEORG-machine tools

Sophisticated solutions

Outstanding challenges drive our passion for technical progress. Working closely with our customers we design exceptional machine tools perfectly adapted to all job requirements.

We use our creativity and know-how for developing leading technical solutions to assure optimal machining results and long term reliability.

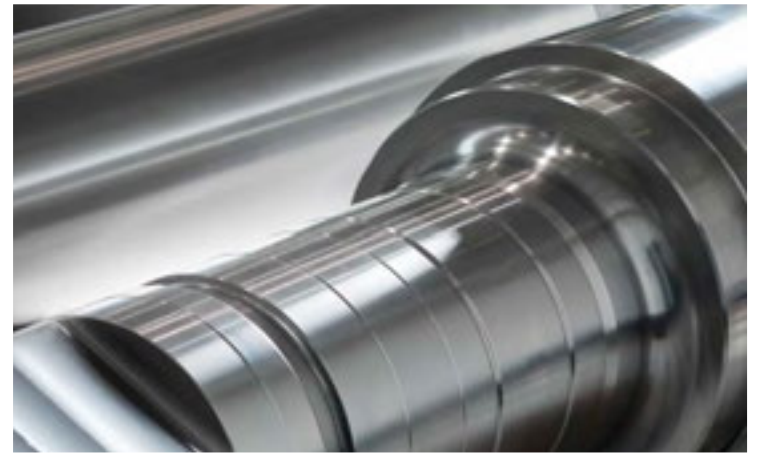


Our markets

Where do you meet our products?
Where precision meets high performance.

Steel – future market with tradition

We come across steel almost everywhere in everyday life. More than 60 years of experience in this traditional market drive the development of GEORG machine tools, thus not only securing our customers' market position, but also enabling them to extend their lead in the market.





Energy – market with power

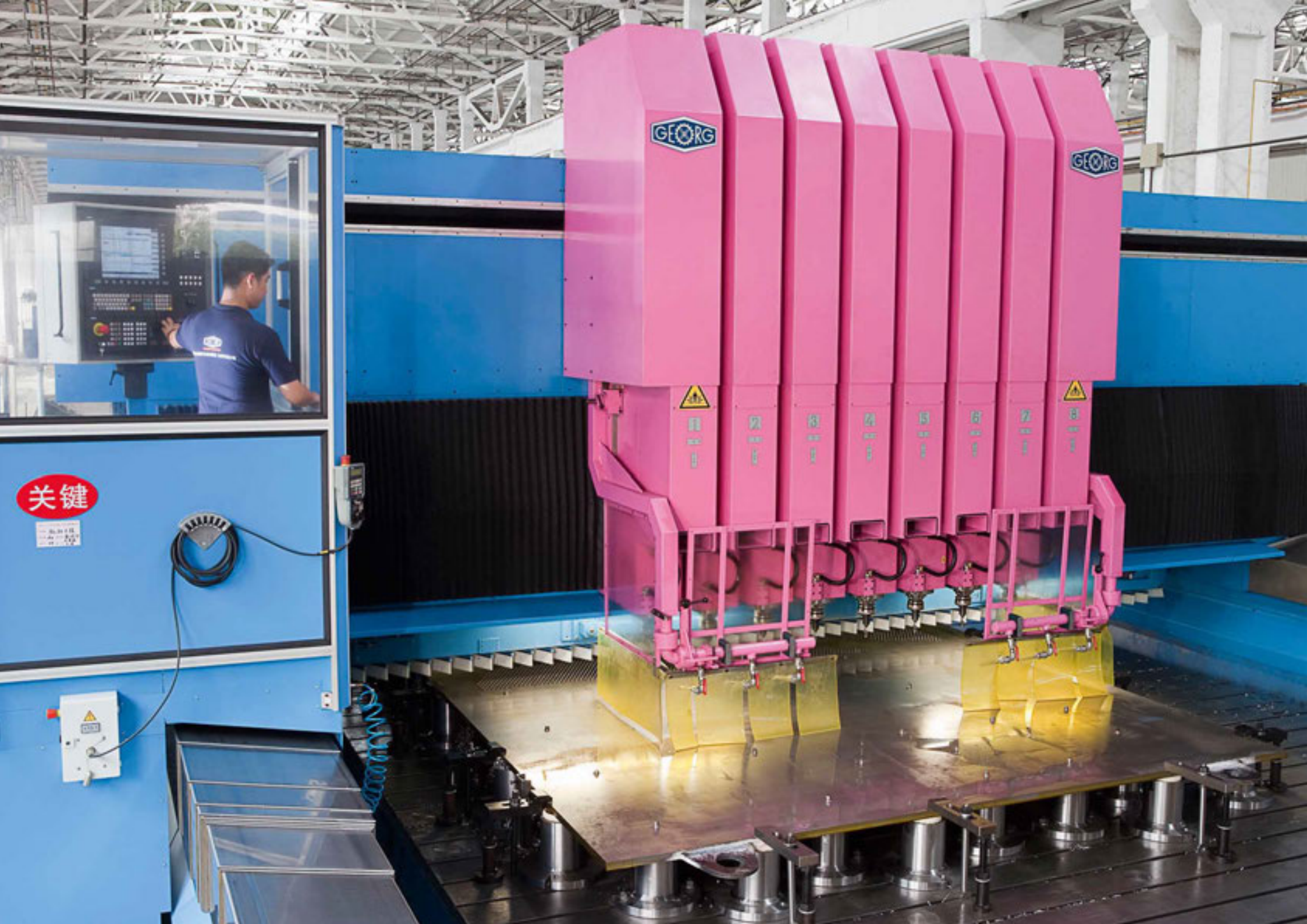
All over the world our machines are being used to secure the increasing demand for energy. Our lathes are pushing the production of turbines and generators. GEORG multi spindle drilling machines are used for manufacturing steam generators and heat exchangers.



Transport – market with motion

A continuously increasing demand for transportation in a more and more mobile world requires innovative solutions. In the transport market, we set the switches for future transportation challenges in a suitable way.





关键

Strong arguments

GEORG. This means passion for technology but as well:

- > Machine tools from one source: 'Made in Germany' from the mechanical to the electrical system – for decades
- > Facing the future with our independent research & development department: for superior solutions for your benefit
- > World-wide availability: on site with GEORG specialists from our national and international subsidiaries and agencies, by remote access or via our 24 hour service hotline.
- > Training to learn all about your GEORG machine tool in our customer centre
- > Modernization of your existing machines with up to date GEORG components



That's what characterizes our machine tools:

GEORG machine tools are an answer for high productivity and efficiency of the production process:

- > Short machining times
- > Short set-up times
- > High degree of automation
- > First quality machine components
- > High availability
- > Long lifetime
- > Low maintenance costs
- > High long term accuracies

Product range



High performance lathes



Roll grinding machines





Multi spindle drilling and milling machines



Drilling and milling machines



Special machine tools



Roll lathes

GEORG ultraturn R

The most essential parameters

- > Turning diameter max. 2,500 mm
- > Centre width max. 15,000 mm
- > Workpiece weight max. 250 t
- > Tool holder in slide design or as turret tool holder
- > With integrated drilling and milling unit





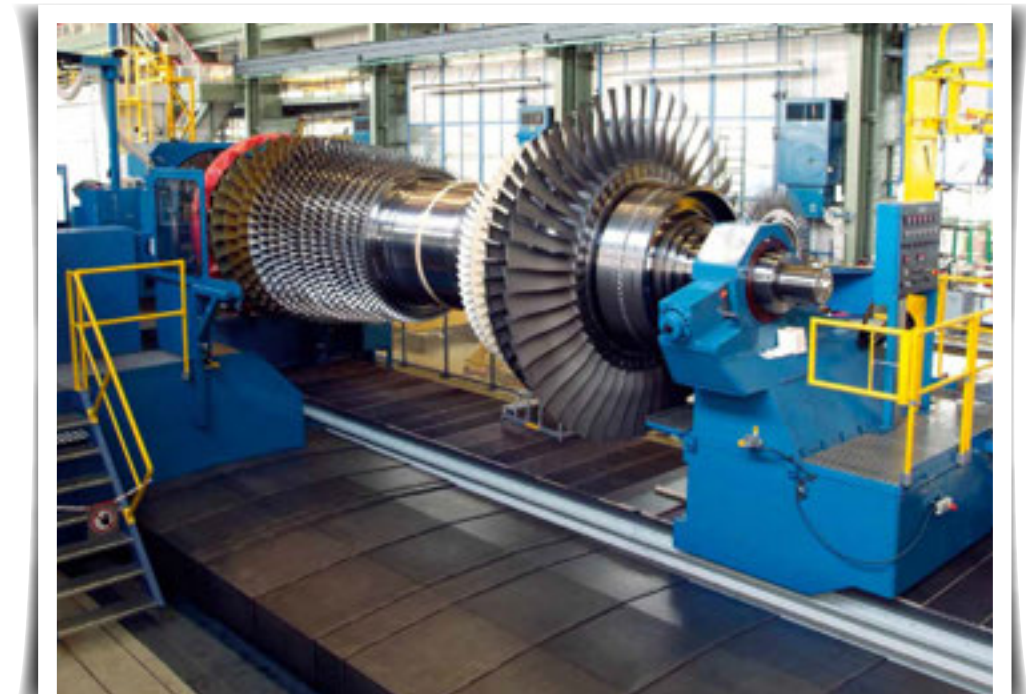
Advantages of GEORG roll lathes

- > With GEORG roll lathes you can face every application, whether roll manufacturer or steel mill operator. Our roll lathes significantly reduce the machining times and contribute to your success.
- > GEORG roll lathes offer highest long term accuracy due to hydrostatic guideways.
- > GEORG roll lathes offer the possibility of roughing and finishing on the same machine.



Turbine lathes

GEORG ultraturn T



The most essential parameters

- > Turning diameter max. 7,000 mm
- > Centre width max. 25,000 mm
- > Workpiece weight max. 350 t
- > Tool holder in slide design with integrated drilling and milling unit
- > Fully automatic turbine measuring system



Advantages of GEORG turbine lathes

- > In stationary or mobile design
- > For new and re machining
- > Complete machining including turning, drilling, milling, grinding and measuring operations in one machine
- > Stable design
- > Long term geometric accuracy
- > High availability



Lathes for general applications

GEORG ultraturn C

The most essential parameters

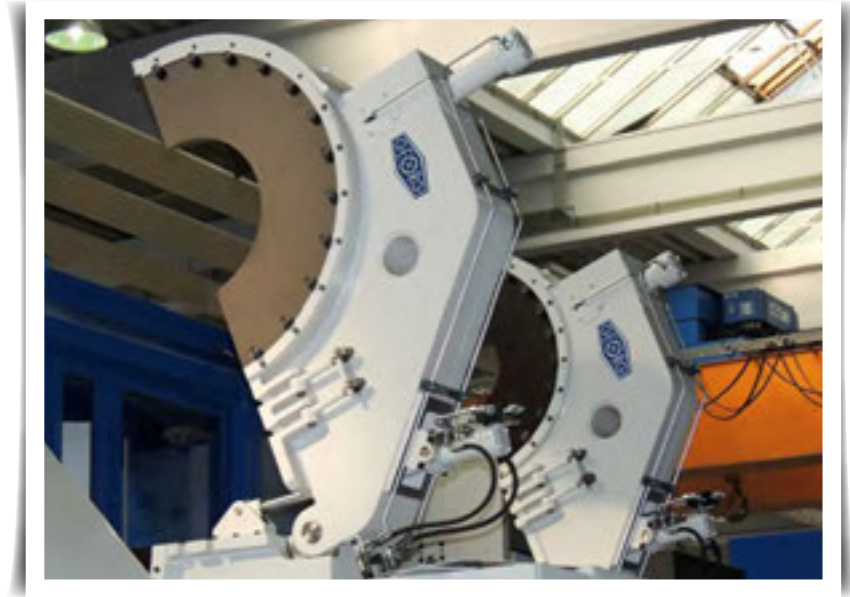
- > Turning diameter max. 4,000 mm
- > Centre width max. 25,000 mm
- > Workpiece weight max. 350 t
- > Tool holder in turret design
- > Tool holder in slide design with integrated drilling and milling unit





Advantages of GEORG lathes

- > Highest reliability and efficiency are the key factors for our customers.
- > GEORG high performance lathes provide a straight and concerted concept.
- > The high quality of GEORG machines ensures high availability in your production for decades.





GEORG ultraturn Accessories



Cuttingforce compensator



Laser measurement system



Hydrostatic steady rest



Boring bar holder



Integrated drilling and milling unit



Grinding unit



Inside machining unit

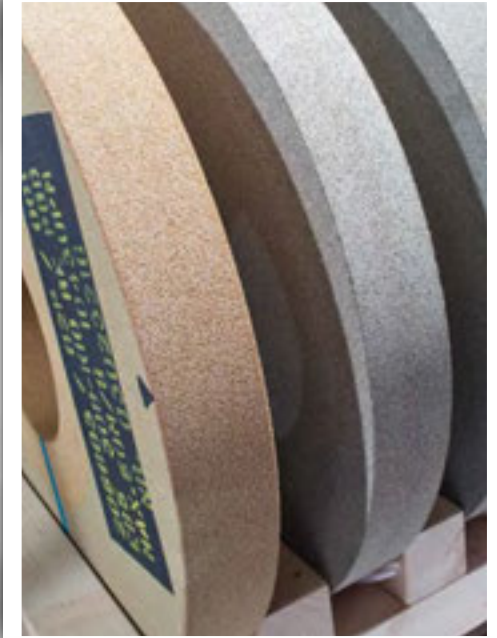
Roll grinding machines

GEORG ultragrind

The most essential parameters

- > Roll weight 5 – 300 t
- > Roll diameter max. 2,500 mm
- > For steel, aluminium and other non-ferrous metals
- > For grinding of work and backup rolls in, with and without chocks
- > Fully automatic grinding of any roll profile





Advantages of GEORG roll grinding machines

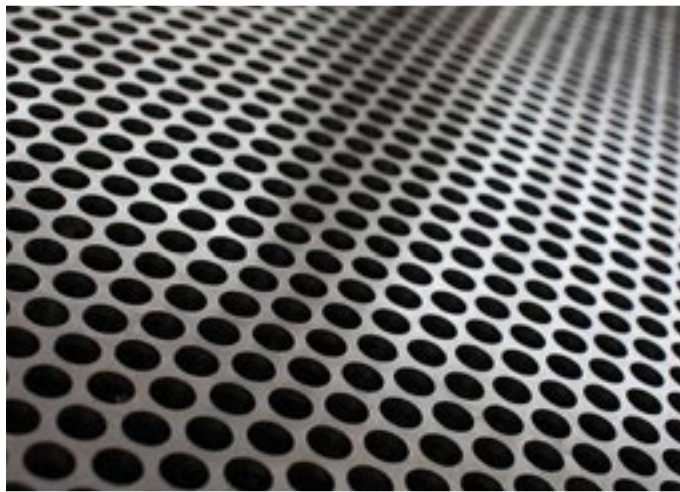
- > High precision and grinding power are the characteristic features of the GEORG roll grinding machines.
- > Due to these advantages our machines are a reliable partner in your roll shop.
- > Moveable head stock with stationary main axis leads to increased durability as well as high handling safety during the set-up process.
- > Rigid machine bed with third guideway for optimal workpiece support during the grinding process leads to high grinding power and high accuracy.

Multi spindle drilling and milling machines

GEORG ultradrill

The most essential parameters

- > Gantry type design
- > All main components in high quality cast design
- > Table size max. 10,000 x 12,000 mm
- > Pass between the machine portal max. 11,000 mm
- > Main drive power max. 28 kW for each carriage





Advantages of GEORG multi spindle drilling and milling machines

- > Minimal cycle time due to a maximum number of 12 carriages
- > Optimized utilization of every carriage due to GEORG DXF to CNC software
- > Minimal non-productive time due to automatic tool changing
- > Consequent development leads to perfect results according to your requirements



Drilling and milling machines

GEORG ultramill



The most essential parameters

- > Single column or gantry design
- > Gantry or table design
- > In single or multi carriage design
- > Table size max. 8,000 x 32,000 mm
- > Pass between the columns max. 9,000 mm
- > Main drive power max. 120 kW





Advantages of GEORG drilling and milling machines

- > Flexible machining with integrated 5 axes milling head
- > Hydrostatic axes ensure highest long term accuracy of the GEORG drilling and milling machines
- > Automatic tool changing unit for optimal work load in your manufacturing plant



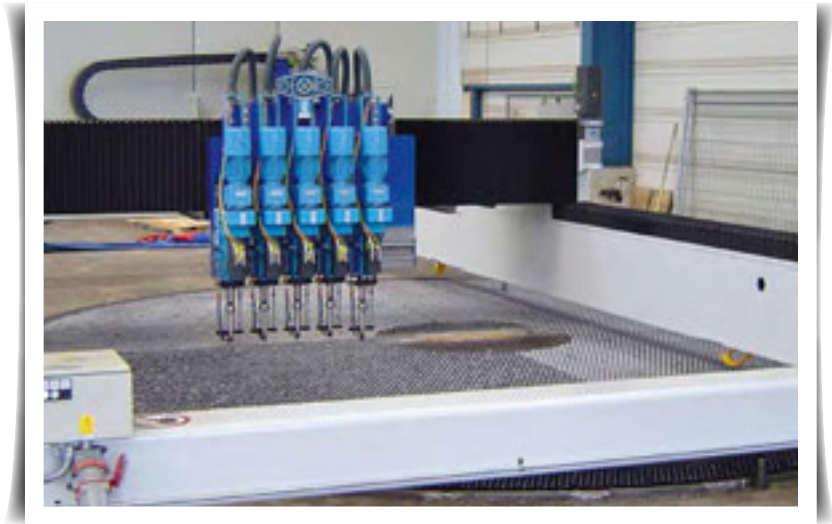


Specials machine tools



Special machine tools will be developed according to your requests and customized to your application.

Contact us without any engagement.





Advantages of GEORG special machine tools

- > Special machine tools will be developed according to your requirements.
- > Our research and development department work together with you to create an optimized solution for your production requirement.
- > E. g. pipe manufacturing machines for pipe welding seam preparation of longitudinal welded pipes





© Partnership –
Confidence in employees,
customers and suppliers

Thinking together

Leading technology is based on **training service and extended vocational education**

We not only want to have satisfied customers but we also want to inspire with our performance. This is only possible if people work together very closely and in a spirit of trust at all levels. We are living this all the way from planning, up to the practical implementation and service – with employees, customers and suppliers.



GEORG does not only inspire with new machines and lines. We are also a competent partner for modifications and replacement of existing machines. We individually attend to our customers in our in house training centre. Our specialists provide training courses on our machines and offer instructions for their use and maintenance. In addition GEORG offers a personalized, direct and comprehensive assistance 24 hours worldwide.

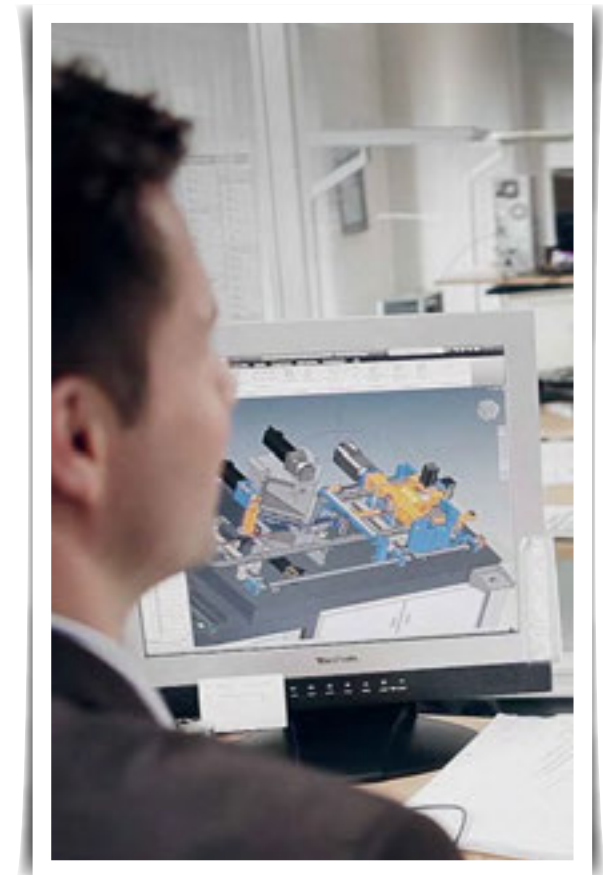
All this is only possible with highly motivated and qualified specialists. The constant vocational training and education of our employees in our in house academy is the basis for a common future. That is the reason why we permanently meet our requirements: GEORG – mit uns technisch überlegen.

● Create future

○ Research and development – mit uns technisch überlegen

Companies need innovations. They are the power for technical progress. GEORG has a passion for technique which is combined with experience, knowledge and creativity.

Equipped with these good tools, GEORG does state-of-the-art research. We always listen to the customer, develop and place extraordinary goods on the market. Only the one who is in contact with customers and suppliers can optimize and improve its own processes, create value and design more efficient line concepts. Sometimes customers and their challenges have to be solved but also the pioneering spirit of our own engineers takes us further or even both together. This leads to technical solutions which bring our customers forward and puts them in the position to be technically and economically predominant and superior.



superior **technology** experience
creativity responsible individual components
efficiency solutions
knowledge complete solution
culture visionary progressive precision
impassionate confidence future
courage world-wide machine tool division



mit uns **technisch überlegen**

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machine tool division

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