

A Benchmark for
SUCCESS

 **WEILER**

Machine tools from WEILER meet the most stringent demands in terms of precision, ergonomics and productivity. The diversity of WEILER's product range is unequalled on the market. It includes everything from small conventional lathes to precision-controlled lathes over 15 metres in length. WEILER's product range also extends to radial drilling machines from Holoubkov.

In one regard all WEILER machines are equal: they all pay for themselves. From the very first workpiece fabricated on them to the point at which they are sold as pre-owned machines. When you choose WEILER, you are choosing cost effectiveness, return on investment and sustainability.



THE RIGHT DECISION



The Eisler family – owners and directors of the Sales and Finance departments:
 Michael Eisler, MBA, Managing Director Dkfm. Friedrich K. Eisler, Chairman and President
 Mag. Alexander Eisler, Managing Director

A PARTNERSHIP FOR SUCCESS

Our sophisticated standards and unique innovations ensure that users of our machine tools achieve their goals rapidly and cost-effectively. We are close to our customers in more ways than one. Geographically, in that we have a strong presence in Germany, and professionally, in that we know the industry sectors and challenges in great detail from our many years of experience.

Our own success is inextricably linked with that of our customers. By providing even-handed advice, expert service, long-term availability of spare parts and outstandingly reliable and precise machine tools, we make a key contribution to their success.

Companies that pay attention to cost effectiveness and record the exact life cycle cost of every machine always come to the same conclusion: they cannot afford to buy any lathe other than a WEILER.

WEILER stands out from the rest with its sustainable planning and operations. Since it was formed, WEILER has produced over 150,000 machines; this bears witness to the sustainability of the company, as does the fact that its machines remain in service for an above-average length of time, usually for decades. WEILER customers can continue to count on dependable service, a comprehensive supply of spare parts and support from an expert partner.

Friedrich K. Eisler, Chairman and President

WEILER users enjoy lasting success. This goal has shaped our philosophy and our way of working ever since 1938.

WEILER: EXPERT PARTNER FOR OVER 75 YEARS

One of the first WEILER lathes



1972
CNC: WEILER is a pioneer in the field of Computer-controlled machines for training and production.



1990
WEILER's product range starts to expand with the integration of the VOEST-Alpine Steinel "cycle-controlled-lathes", with the E50 leading the way

since 1995
Expansion of the E-range: longer turning lengths, large spindle bores, development of international sales

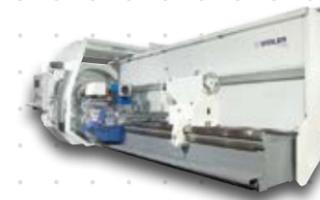


2000
WEILER acquires the Holoubkov plant: radial and portable drilling machines added to the WEILER range

2002
Market launch of the new DZ range of CNC lathes



2004
Introduction of the large E150 to E200 lathes: swing of up to 2000 mm, turning length up to 15 metres



2010
A new generation of conventional VCplus machines with a numerical screen display is launched

2012
The first 4-way precision lathes (V90/V110) are introduced to the market and shipped.



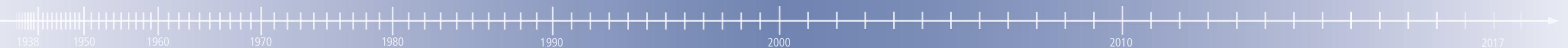
2013
VCD lathes with numerical screen display add to the options offered by the conventional range.



2016
Start of the GS certification for the new manual lathe.



2017
The innovative E70HD features impressive improvements to the drive and reduced energy consumption.



1938
The company is founded by the Weiler and Hubmann families in Herzogenaurach.



1970s
WEILER ships its 100,000th lathe

1990
WEILER is sold to the Austrian company VOEST-Alpine Steinel Werkzeugmaschinen GmbH, Linz.

1.7.1991
Friedrich K. Eisler takes over as managing director
Extension of the Emskirchen site; Herzogenaurach and Ansbach plants integrated with Emskirchen



1995
Friedrich K. Eisler acquires WEILER Werkzeugmaschinen GmbH as part of a management buy-out and becomes sole managing shareholder

2000
Acquisition of Holoubkov s.r.o., Pilsen, Czech Republic. Holoubkov is one of the longest-established manufacturers of machine tools in the Czech Republic and indeed anywhere in Europe.



2001
Friedrich's two sons, Alexander and Michael Eisler, join the family company, thus ensuring continuity in the company's management

2006
Expansion of international presence - WEILER North America Corporation founded



2012
Expansion of the company's site in Emskirchen
Around 550 employees in Emskirchen and Holoubkov

2013
75th anniversary of WEILER Werkzeugmaschinen GmbH



2016
AMB 2016: Market launch of the WEILER WTS touchscreen.



2017
Industrial Internet of Things (IIoT): Monitoring and analysis of process data, machine data and production data.



WHAT MAKES WEILER DIFFERENT

It is a combination of many different positives that makes WEILER unique – just like its machine tools.

Typical WEILER: the unique V-series.
The first 4-way precision lathe with the tried-and-tested WEILER cycle controller, launched in the USA and Germany in 2012.



Greater investment security

WEILER's products always pay for themselves.

With long-term precision, low life cycle cost, expert service and a virtually limitless spare parts supply, we make sure that each and every WEILER product, wherever it is deployed, pays for itself.

A WEILER product is both a machine tool and a profitable investment at the same time.

Better quality

That's the way to build a decent lathe!

State-of-the-art production systems enable WEILER to achieve a high degree of vertical integration and quality in all relevant parts whilst keeping costs low. Many years of experience and a highly trained and motivated workforce ensure the highest possible degree of process reliability. The universal quality management system ensures that every WEILER machine tool is of the highest quality and will retain its value.

WEILER makes quality worthwhile.

Greater diversity

WEILER delivers bespoke solutions.

WEILER's product range is enormous and extremely diverse, setting it apart from all its competitors. Since WEILER machine tools are extremely modular in their construction and design, every WEILER product is useful yet remains affordable.

WEILER's bespoke products allow you to optimise your production processes.

Greater innovation

WEILER has ideas that pay off.

WEILER has always been synonymous with intelligent innovation. This starts with a systematic approach towards workplace ergonomics. All WEILER's machine tools, both controlled and conventional, are technically advanced.

Everyone using these machines gains from WEILER's technical advances.

Greater industry knowledge

WEILER knows the business.

Decades of experience and preserving and adding to the accumulated knowledge keeps WEILER at the leading edge of the industry. This ensures that WEILER supplies machines and solutions that improve the competitive position of its customers from day one.

WEILER is familiar with and knows how to deal with the challenges in specific industry sectors.

Greater sustainability

Continuing in the future to focus on the future.

WEILER's whole approach revolves around sustainability and future viability. This starts with the company's solid corporate structure, and extends through its environmentally aware production and continuous investment in energy-efficient machine tools to the training, involvement and development of outstanding employees.

WEILER is future-proof!

■ I I I I I GREATER INVESTMENT SECURITY

WEILER's products always pay for themselves.

Efficiency from day one

WEILER customers are supplied with the machine tool that is best able to tackle the task in hand. This could be a conventional lathe for training with incrementally unlockable functions. Or a precision lathe with automated cycles for the shaping of workpieces 20 metres or more in length. The right solution saves time and ensures maximum efficiency over the entire utilisation period.



Deciding on a WEILER machine tool means opting for maximum security for your investment.



GREATER INVESTMENT SECURITY | WEILER products deliver affordable solutions.

Our large central spare parts warehouse ensures that the parts you need are available and ready to ship.



From the very first to the very last workpiece: the lowest possible life cycle cost

Throughout its service life, the costs associated with a WEILER machine tool are minimal. The likelihood of a malfunction is low - a key factor in minimising costs. The outstanding ergonomic features of our products enable users to work faster and more efficiently.

When a WEILER machine tool is serviced, all relevant components can be supplied quickly and easily. This speeds up the servicing, maintenance and repair cycles, and minimises downtime.

A WEILER machine tool holds its value

Long-term precision is built into the machine bed of every WEILER product. This maintains the value of the machine tool as well as ensuring high-quality workpieces. Customers can rest assured that WEILER will continue to supply spare parts in the long term; the same applies to our universally available and professional customer service. These factors are well known around the world, so a pre-owned WEILER machine tool retains its value and remains very popular. Leasing companies, too, are impressed by this excellent value retention, which is why they offer attractive terms for any WEILER product.

Retrofit for a new lease of life.

WEILER offers a retrofit service for its machine tools. Every WEILER product can be either partially or fully refurbished and upgraded according to customer preference, e.g. by using the latest hardware or software. This process is concluded with a measurement report that objectively records the precision and value of the WEILER machine tool.



Everything you need right in front of your eyes and under your control: productivity is a matter of ergonomics.

With the capacity to attract the very best

WEILER machine tools set standards that are second to none in training. All trainees enjoy the ease of learning on a WEILER machine tool. And anyone who has gathered positive experience with a particular brand is most likely to stick with that brand. This applies equally to future decision makers and the best lathe operators:

they will always be attracted to WEILER.



Corporate far-sightedness manifests itself in the choice of the right production resources.



WEILER machine tools pay for themselves.

Their value and usefulness remain stable.

Spare parts will still be available ten years or more down the line.

Customers will always have easy access to expert service.

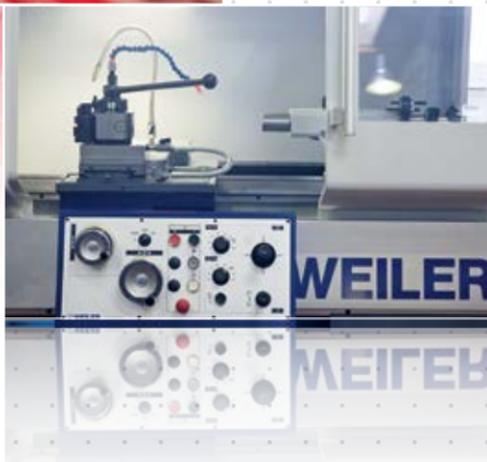
I ■ I I I I BETTER QUALITY



State-of-the-art laser measuring techniques are used to check the guideways.



WEILER lathes exceed the standards for tool-maker's precision.



WEILER – That's the way to build a decent lathe!

It's well worth taking a look at the WEILER production department.

In fact, both the Emskirchen and Holoubkov sites are equally impressive. The plant in the Czech Republic, which was acquired by WEILER in 2000, operates to the same high quality standards as Emskirchen. For production planning, process control and quality management, exactly the same state-of-the-art planning tools are used at both sites.

WEILER's 'flow assembly' concept ensures optimum availability of materials and tools in every phase of the production process. The interplay between high-quality machine tools, state-of-the-art machining centres and high-precision measuring equipment ensures process security, efficiency and precision. WEILER machine tools achieve a degree of concentricity down to the nearest μ -metre. With turning lengths of up to 15 metres and diameters of up to 2 metres, this represents exceptional performance.



Highly trained, experienced and dedicated technical personnel: the basis for success and precision



BETTER QUALITY | That's the way to build a decent lathe!



High quality must also be affordable

The simultaneous grinding of the set of guideways could be said to combine precision and efficiency in a single process. The use of highly automated turning and milling systems saves time and production costs where it is expedient to do so, and ensures a high degree of process reliability and quality.

Precision requires human involvement

Precision-related parts, such as machine beds, gearbox housings and main spindles, are fabricated by WEILER in-house. This provides the basis for the enduring precision of every WEILER product. All WEILER machine tools exceed the applicable DIN standards for machining accuracy. Their rugged construction ensures long-term precision.

Bespoke quality

WEILER has invested significantly in its quality management system, and the results are plain to see. For example, these include our own 3D coordinate measurement machine located in the air-conditioned measuring laboratory. As well as the continuous checking of workpieces to ensure that they meet the specified tolerances, important data for ongoing process optimisation is constantly being sent to the production department.

Certain operations, such as the shaving of precision surfaces, require an extremely high level of craftsmanship.



The air-conditioned measuring laboratory for accurate measurement of all function-related parts



The Heller machining centre: for maximum productivity and maximum precision in series production



Measuring concentricity. WEILER's production facility ensures that tolerances to the nearest μ -metre are achieved.

WEILER quality is worth more than it costs.

The highly efficient production process ensures that it remains affordable.

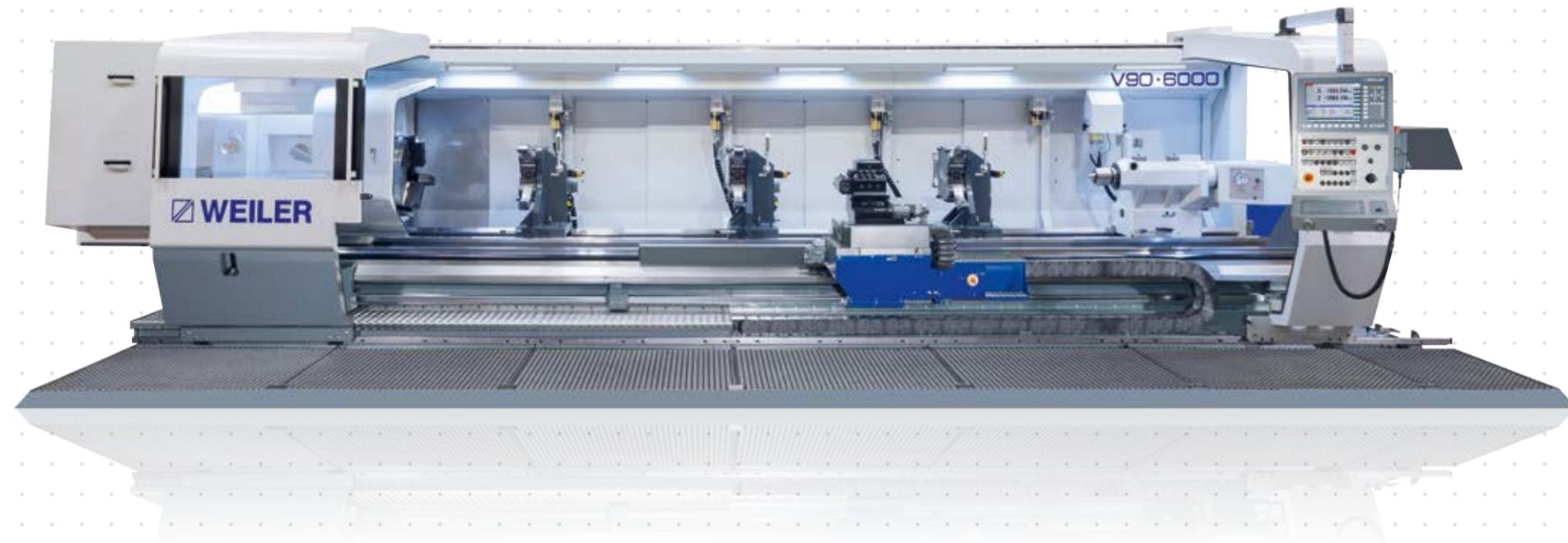
GREATER DIVERSITY

WEILER delivers bespoke solutions.

At WEILER, the customer's requirements are the key.

In the field of conventional lathes alone there is a choice between a dozen or more different models. The modular design of the servo-conventional lathes, cycle-controlled and CNC-controlled precision lathes enables hundreds of customer-specific variations of machine tool to be produced from the 20 basic models.

Numerous items of special equipment and a comprehensive range of accessories create sufficient room for manoeuvre to provide greater flexibility in meeting requirements.



An extract from the world of WEILER, from left to right: Primus VC[®], Commodor 230 VC[®], E60, V90, DZ40, Praktikant VCplus WTS, C30

GREATER DIVERSITY | WEILER delivers bespoke solutions.



Conventional lathes

The products that WEILER regards as 'conventional' effectively blow the conventions of other manufacturers out of the water. New ideas in even the smallest class set the standard. The integrated e-TIM system ensures that braking energy is fed back into the grid, whilst e-LISSY enables the accessible functions to be matched closely to the progress of trainees. The user-friendly VCplus displays are self-explanatory, support learning and are clearly laid out.

Servo-conventional lathes

The entry-level class of controlled lathes features precision without compromise. WEILER's unique user-guidance system for cycle-controlled lathes is already built in.

Cycle-controlled lathes

The stand-out feature of this series of machine tools is their straightforward and practical operation and the ability to adapt them rapidly to a wide range of different machining operations. Each operation is broken down into a string of cycles that are carried out automatically either separately or in sequence. In one-off production mode as well as small-series production, this enables the finished workpiece to be produced very rapidly and with an outstanding degree of accuracy. The control system – based on Siemens hardware and technology and WEILER expertise – is unique, and can only be found in this form on WEILER lathes.



left, top: Primus VC[®], right, top.: Praktikant VC^{plus} WTS,
left, bottom: Commodor VC[®], right, bottom: C30



left, top: E40, right, top: E50HD, left, bottom: E90, right, bottom: E150



V90 - 6000



bottom, left: DZ 40, bottom, right: DZ 45

V-series 4-way precision lathes with automated cycles

The V-series was developed for the cost-effective machining of predominantly long, thin workpieces. Bed slides, steady rests and tailstock move along separate guideways. This enables machining to be performed without interruption and without the rests needing to be repositioned, as would otherwise be the case. This saves time and enables long workpieces to be shaped without having to be reclamped.

CNC lathes

Outstanding features of this type of WEILER lathe include their future-compatible design for exceptional ease of handling and extremely short tooling times. Everything is geared towards maximum productivity and maximum precision. This is borne out by their rugged, thermally stable construction, their innovative, high-performance drive systems and state-of-the-art control systems.

WEILER is synonymous with diversity in lathe technology.

Whatever requirements a customer may have, there will almost certainly be a type of machine to match those requirements perfectly.

Variants and accessories enable further flexible adaptations to be made to suit the production task.

GREATER INNOVATION

WEILER – innovations that pay off!

Developments by WEILER

Many of the fundamental rules of lathe ergonomics were established and improved by WEILER. These are embodied in each new generation of WEILER machine tools, often with groundbreaking new developments as well.

Users love these features, and they are also highly regarded by controllers.

A high degree of precision and low unit costs represent key criteria. Ergonomics in the workplace are of vital importance in all situations - from training through to industrial production. Ergonomics includes user-friendly layout of handwheels and controls, and at the same time the best possible view of slides, the workpiece holder and the workpiece itself.



Excellent view of the workpiece and tool with no compromises in manipulation of the controls.



GREATER INNOVATION | WEILER – innovations that pay off!

View and protection

A characteristic feature of all WEILER machine tools is their sophisticated safety hoods. These always allow the operator an unrestricted view of the workpiece and controls. Sliding safety hoods and controls are, where appropriate, coupled with one another. The user is well protected, yet right at the centre of things. The work area, tool holder and clamping chuck are extremely easy to access, thus allowing tooling times to be kept to a minimum.

WEILER creates space

Space is a valuable asset in any plant. This is why WEILER lathes have been kept as compact as possible. This is often an extremely valuable factor in tutoring and training areas, where a large number of machine tools often have to be accommodated in a small space. Many conventional types of lathe can be moved against a wall or set up back to back.



e-LISSY and e-TIM: better training, energy saving

Only WEILER offers e-LISSY. This teacher identification system provides exemplary support in a tutoring or training situation. Coding chips enable functions of a machine tool to be unlocked incrementally. Faster spindle speeds, for instance, can only be requested by trainees once they have reached the appropriate level of training. e-TIM, the automatic energy conservation system, switches the machine into standby mode after a predefined time has elapsed, feeds braking energy back into the grid and automatically switches off any ancillary components that are not needed. This reduces energy consumption. The latest innovation in the smaller class is the optionally available WEILER WTS touchscreen. The first ever 15" touchscreen on a manual lathe can be operated in the same way as a smart phone or tablet PC. It enables technical drawings or operating and maintenance videos to be directly accessed.



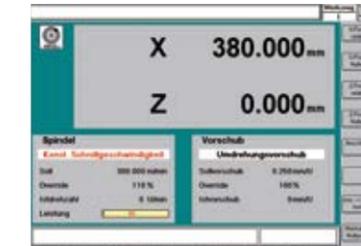
Swivelling control console, standard on all E-series machine tools: dazzling effect eliminated



Cycle-controlled: all the familiar features, only better

The control system for WEILER's E-series is a stroke of genius. It enables simple workpieces to be produced in the same way as on a conventional machine, only more efficiently. Elaborate workpieces can be produced in the same way as on a conventional machine, only faster. The control system lends itself perfectly to the practical side of turning. No programming knowledge is needed. The control software is user-guided and enables data to be entered in a dialog-guided, intuitive way. The most notable feature of the E-series control system is the seamless interface between SINUMERIK and the controls on the machine itself.

On all these machine tools, the operator console is coupled with the slide. This results in a highly effective interaction between human, machine and workpiece.



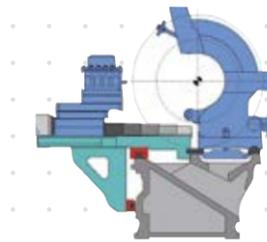
The machine data and machining data are entered in a practically oriented manner and displayed clearly.



Only a few items of data are needed when entering the thread geometry.

NEW: the V-series

One of the latest innovations in the WEILER range: V90 and V110. These are the first 4-way precision lathes with the tried-and-tested WEILER automated cycles. They were developed in order to machine long, thin workpieces in the most economical way possible. This machine tool gets its name from its four guideways, along which the slide, tailstock and steady rests move. This enables machining to be performed continuously without the rests needing to be moved.



The anatomy of the V-series: four guides along which the slide, tailstock and steady rests move.

WEILER is constantly implementing new ideas that help customers to reach their targets faster, more efficiently and in a more user-friendly way.

Working on a WEILER machine motivates operators.

This results in maximum productivity.



GREATER INDUSTRY KNOWLEDGE WEILER knows the business.

WEILER precision lathes like the E150 are used for applications including the machining of drill pipe sections.



Gearbox shafts in wind turbines: these are machined using WEILER precision lathes.

WEILER V90 4-way precision lathes are, for example, taking over the production of drive shafts for ships' propellers.



Worn hydraulic pistons can be restored to a condition suitable for reuse by machining them on a cycle-controlled precision lathe from WEILER.

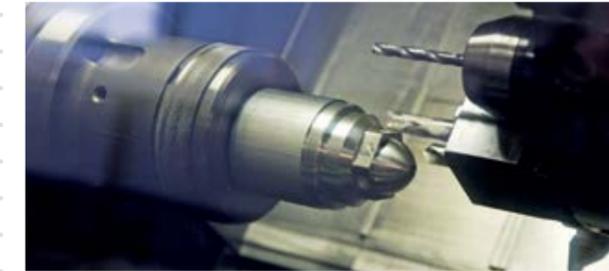


Surgical screws have to be produced to the highest degree of precision, and this is achieved most efficiently on WEILER's DZ-series of CNC-controlled lathes.

Reach targets faster with WEILER

WEILER has now been in existence for more than seven decades and has accumulated a range of expertise that is second to none.

Whatever it is that WEILER's customers are producing, and whether they are engaged in training, industry, sample production or maintenance: WEILER's products are without exception impressive and carefully designed.



WEILER draws on its in-depth understanding of an industry sector and application when advising its customers.

All its solutions reflect the wealth of knowledge acquired through its many years of experience in industry, and all its ideas are tested in practice.

WEILER customers know that they will always be provided with the best possible solution.

A WEILER tool always represents a competitive edge.

GREATER SUSTAINABILITY



Sustainability is not an end in itself. It has to be incorporated in the corporate philosophy – as is the case at WEILER.

We will continue in the future to focus on the future

As a participant in the VDW „Blue Competence®“ initiative, WEILER is officially committed to all aspects of sustainability and efficiency. WEILER has mastered the link between environmental awareness and running an operation that is economically viable.

Green in all sizes

It goes without saying that on all larger WEILER machine tools the braking energy is fed back into the grid. An energy-saving measure that is also implemented as a special feature in conventional machine tools. Many of the smaller WEILER models are also equipped with a timer-controlled standby mode, intelligent drive management and machine status energy management systems.

Environmentally friendly production

It can be taken as read that WEILER uses water-based paints, scrupulously avoids producing waste and has a recycling policy. There are also state-of-the-art photovoltaic systems installed on the roof of the assembly shops that generate clean energy. Waste heat from a nearby biogas plant is used to heat the premises. Between 2005 and 2013, WEILER succeeded in reducing its total CO₂ emissions by roughly a third.

The Future - Value and Vision

WEILER is a strong family business built on firm foundations. We are ensuring the future of our site in Germany by running our own training courses and taking on apprentices. Knowledge and skills are the most valuable assets that a company has. We develop and preserve them. WEILER has therefore been investing for more than 70 years in intelligent, gifted personnel, in first-class developers and engineers.



Sustainability is the fundamental principle that WEILER has followed from the outset.

When the company was acquired by the Eisler family, it became an even more important component of our corporate mission statement.



Excellence in its literal sense: time and time again WEILER apprentices gain top marks and official recognition.

HOLOUBKOV | More than just a site!

The WEILER Holoubkov project

Holoubkov is not only the WEILER production site for large components. WEILER Holoubkov is also a manufacturer and supplier of portable and radial drilling machines.

WEILER portable drilling machines can be moved around seven axes. They are deployed in situations where the drill needs to be brought to the workpiece, e.g. in power stations, chemical plants, shipyards and heavy mechanical engineering.

WEILER radial drilling machines are installed in a fixed position. Their outstanding characteristics include ease of operation, high drilling performance, great stability and extensive travel. They provide precision, efficiency and dependability in one-off and batch production environments.



WEILER Holoubkov: assembly of a radial drilling machine



Our own design, our own expertise: professional partner in the Czech Republic

WELCOME TO WEILER!



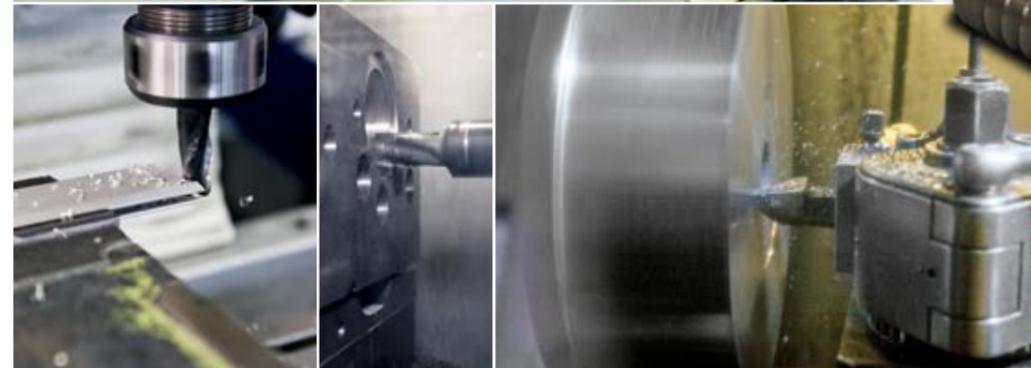
The real "Made in Germany" experience

People with an interest in technology, and this includes buyers of machine tools, are inquisitive and communicative.

You are always welcome to pay us a visit. Every day, customers and investors come to see us at our site in Emskirchen.

In the course of a guided tour of our production facilities, we demonstrate where and how the benchmarks for success are set at WEILER.

Every WEILER machine tool is a fascinating precision product. It is a pleasure to be involved in its development.



How is a WEILER machine tool created? Experience the process step by step in real time in Emskirchen.

WEILER – in your area, all over the world

Our professional sales staff provide our customers with advice on a one-to-one basis. We have an extensive network of dealers throughout Europe who handle local service and sales operations. WEILER's international dealer network supports companies all over the world.

The WEILER North America Corporation in Charleston brings us closer to our customers in the USA and Canada, and also enables us to expedite service and the supply of spare parts.



"As your specialist partner we look forward to meeting and advising you, perhaps even on your own premises."

Friedrich K. Eisler

To make an appointment, simply call

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