Dear Ladies and Gentlemen, dear Readers,

when a medium-sized company from Titisee-Neustadt celebrates its 100th anniversary and supplies companies all over the world with its products, then one can speak of a success story in all modesty. The foundation stone for our traditional family business was laid by my grandfather Anton Kirner at that time. A person who distinguished himself through his pronounced innovative ability and who thanks to his personality and unrestrained pioneering spirit laid the foundation for many technical developments that are still of great importance nowadays.

Today, a century later, we are a highly specialized company producing complex tool grinding machines for a wide variety of sectors and industries. And we will tirelessly continue to develop our products in the future and thus help our customers to increase their performance. We would also like to sincerely thank our numerous partners and suppliers who are of great support to us in doing so.

On the following pages we would like to present our company, our history and our services more precisely to you. If you want to use our services, do not hesitate to contact us.

We are looking forward to cooperation with you -

Martin Kirner
CEO
Our history: 100 years of innovation and precision

The trained watchmaker Anton Kirner founded the company in 1919 and initially dealt with the development of new technical products. He invented the tachograph, the functional principle of which forms the basis for today’s digital tachographs and time recording systems.

The production of small machines for the gear cutting of clock gear wheels was also part of the service at that time. Later, the manufacture of complete dental drill production plants was added.

After the Second World War, the company specialized in and from then on focused on the development and construction of machines for the flute grinding of profile cutters and rotary burs.

As a result, the world’s first mechanical and later also CNC-controlled 6-axis grinding machine for the semi- or fully automatic production of rotary cutters was launched on the market. The first independent grinding wheel profiling and dressing machines were also a result of the development process of the Kirner company.
The company

The registered office of Kirner Schleifmaschinen GmbH & Co. KG is located in Titisee-Neustadt which is in the state of Baden-Württemberg. A team of 35 persons works there to produce the high-quality tool grinding machines for our worldwide clients in the fields of medicine, industry and toolmaking (dental medicine, watch and glass industry, automotive, grinding wheel manufacturer, etc.). Our company paves the way for some key technologies in the field of grinding machine construction and has decades of experience and profound expertise in the fields of mechanical engineering and mechatronics.

Comprehensive expertise

We create innovative concepts and implement them professionally with the highest level of solution expertise. We keep the maximum of the added value in our own hands. All work processes are carried out by our team of experts: from design, software development and automation technology to production and final assembly at your site. Of course, our equipment – including a separate welding room, workshop and paint shop – is the state-of-the-art. To get our own future staff, we act as a training company in the fields of mechatronics and industrial mechanics and also offer a dual apprentice program in electrical engineering and mechanical engineering.
Grinding technology

Our tool grinding machines are very versatile and can manufacture e.g. finely toothed miniature tools such as dental and surgical burrs with a head diameter of only 0.5 mm for medical applications or rotary cutters with a head diameter of up to 26 mm and few teeth for industrial applications. The flexibility of our grinding technology is evident in the finishing of complex tools in only one clamping (e.g. groove grinding, bevel grinding, chip breaker grinding and face grinding). The grinding program with its user-friendly interface is completed by cylindrical grinding operations for blank preparation, neck machining and subsequent tooth grinding.
Dressing technology

To ensure a consistently high quality in the manufacture of carbide and HSS tools, the grinding wheels must be regularly reworked, shaped to a “contour” and re-sharpened. Our dressing machines are used to fulfill the following tasks:

- optimization of the concentric and axial run-out.
- bringing grinding wheel to the desired level during the first profiling.
- compensation of the shape loss of a grinding wheel.
- cleaning and sharpening grinding wheel.
- sharpening the grinding wheel by exposing new and not worn diamond grains.
Quality “Made in Germany”

Highest quality standards in combination with solution expertise and innovative thinking form the basis for our long-lasting business success. Therefore, we do not rest on the “Made in Germany” seal of quality but live up to it through our procedures. We permanently scrutinize our products in order to constantly develop them and thus make them even more efficient. We are open for new ideas which also encompass the exchange of experience with our customers and thus strive for an even higher level of customer satisfaction. The use of high-quality materials from quality suppliers in the region is of course very important for us.
Kirner Nadelhalterplatten GmbH

For many decades, the production of needle-holder plates for scissors and tongs for surgical instruments was part of our range of services. In 2015 we founded the independent company Kirner Nadelhalterplatten GmbH for this segment which thanks to its mechanical equipment is able to grind teeth in different sizes and shapes of carbide plates and rasps quickly and precisely.
Our Kirner service for you

As our customer, you benefit from our “everything from one source” principle which includes all services from the first consultation to the commissioning of the machine at your site. But even after that our employees are always available for after-sales services. The development of individual software for grinding equipment and the complete automation technology are also carried out by our technical specialists. In order to implement your machine project, we will provide you with an experienced design engineer who will be your competent contact person. Of course, you will be thoroughly trained by us on the software applications and the operation of the machines.
Gerne fertigen wir für Sie Ihre Blechteile in Alu, Stahl und Edelstahl:

vom Einzelteil bis zur kompletten Baugruppe:


Kontaktieren Sie uns!

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