### zund.com

# Your first choice in digital cutting.







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Rooted in Switzerland, active all over the world

# Thinking ahead, taking control

Zünd Systemtechnik AG is an independent company, owned and operated by one family – key factors in its formula for success. The Swiss cutter manufacturer's CEO, Oliver Zünd, spoke to us about the benefits of quick, independent decision-making and the values that continue to shape the company's culture to this day.

# Over the course of over 40 years, Zünd Systemtechnik AG has grown from a small business to a fully fledged global player. A remarkable feat, especially when you consider the company's somewhat unusual beginnings.

In 1984, my father, Karl Zünd, founded a small enterprise in Altstätten. Among other things, he sold Wild plotters to European customers. In 1986, he developed the first cutting heads and peripheral devices for these flatbed plotters. His efforts paid off in 1989, when the company launched its first cutter, the Zünd P-1200.

In 1994, my father took over the production, sales operation, and service organization from Wild Plotter AG, setting a milestone in our company's history and that of the digital flatbed-cutter market.

### How does Zünd manage to defend its position as market leader?

We know that success is a matter of innovation, swift action, and excellent customer service. Keeping in touch with our customers and their customers is a priority for us. Every year, we attend numerous trade shows to get an idea of upcoming trends and to keep abreast of all the different markets.

## Zünd's unique selling point is its Swissness, which manifests itself in properties such as top-precision mechanical engineering, extremely reliable production systems, and sustainable manufacturing.

That's right. These values are enormously important to me and to us as a family business. They are an integral part of our company's DNA and are lived by our employees on a daily basis.

### You are positioned globally and rooted locally. Does this inspire your approach to the development of the company and its products?

In a way, yes. Our most defining characteristic is that we think ahead. It gives us a lot more wiggle room. The fact that Zünd is family owned and operated allows us a certain freedom in the way we do business: we are not motivated by short-term profit goals. Our cutters are developed and produced in Altstätten and sold globally. We have sales and service operations all over the world, ensuring our products are of the highest quality and available worldwide. Thanks to this concept, we have been highly successful on the international stage for many years.

### Zünd cutters are used all over the world, not least because of their technology. What sets them apart?

Our cutters are extremely versatile. Adapting them to new requirements is simple and quick, and they are easy to integrate in digital production workflows. That is one of the reasons for their popularity in such a wide range of sectors, from advertising and packaging, to garment and furniture manufacturing, automotive, and aerospace. These are all very different industries united by largely digital, automated production processes. In today's environment, no modern production system can survive without the greatest possible degree of flexibility and individuality. On top of that, our cutter technology is consistently developed with a long service life and maximum productivity in mind

### Speaking of productivity, Zünd cutters are predominantly used for making parts of products. What can Zünd really contribute to efficiency, productivity, and automation?

It is exactly this automation of sub-processes we consider one of our most important tasks. We focus on maximizing efficiency in production, minimizing idle time, and eliminating manual tasks by making a wide range of automation solutions available to our customers. From compact robot solutions for removing cut parts, to fully automated system solutions for industrial, pallet-to-pallet production, our product offering covers the full gamut. When combined, these solutions are an enormous boost to our customers' productivity.

### What does a typical day in your customers' production facilities look like?

In many applications, we have noticed that continually increasing individualization is making order sizes shrink while order volumes skyrocket. Our customers are facing ever higher order frequencies paired with shorter process cycles and tighter deadlines. With our automation solutions, we take the pressure off. Our products are tailored to our customers' needs and, when integrated into their specific workflow, they enable largely unattended production. With this level of automation, our customers can efficiently and economically finish all the countless products that are being manufactured digitally these days. As a tool, our cutters allow our customers to stay on top of the rising demand for customized products ordered in small or medium quantities – and still make money.

# Olive

### Zünd is fully committed to producing in Switzerland. Not the cheapest choice, globally speaking.

Our commitment to Switzerland is not rooted in a sentimental love of our homeland. Naturally, we don't make everything ourselves – some electronic components are sourced abroad. But more than two-thirds of our mechanical components come from suppliers that are based within 30 kilometers of us. They are innovative, long-standing partners who deliver on demand and just in time, enabling our flexible and highly efficient final assembly. This guarantees a consistently high production quality. It is thanks to this seamless quality assurance that we can manufacture first-class products with a long service life, outstanding precision, and uncompromising reliability – all made in Switzerland. And needless to say, close proximity also ensure faster delivery times. Short transport routes protect the environment, making our already very modest carbon footprint even smaller.

### Looking at your headquarters, it is obvious that for you, sustainability goes beyond short transport routes and long-lasting products.

We take our environmental responsibilities very seriously. Our "Bau 4" (Building 4) meets tough Minergie requirements; the entire technology behind its construction, as well as the building envelope, meet the strictest environmental standards. The amount of energy we save this way could heat 30 single-family homes for an entire year. The building emits less than 20% of the  ${\rm CO_2}$  that conventional industrial buildings produce, while the energy generated by the 1400 solar modules on our roofs covers 70% of our total requirements.

In fact, we even grow our own produce as part of our commitment to the environment! Every day, our employee cafeteria receives fresh vegetables from our company gardens.

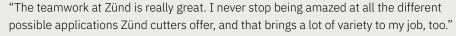
### A team of 513

Revealing the secret behind one's success might seem foolish. We are doing it anyway: it's our employees, plain and simple. From Altstätten to our eleven global subsidiaries, they are what makes Zünd so successful.



"I enjoy working at Zund because of the innovative technology, the opportunity to engage with customers and the exceptional camaraderie among my colleagues. Zünd cuttingedge technology not only pushes me to continually expand my skill set, but also allows me to explore creative solutions to customer challenges."

Tom Gent
 Field Service Engineer at Zund UK



### - Antonio Coldebella

Repairs & Equipment Manufacturing at Zünd Systemtechnik AG





"Zünd is an exciting, future-oriented place to work. The company's commitment to innovation and cutting-edge technology is reflected in its impressive range of digital cutting systems, used by internationally renowned brands for countless purposes."

### - Gaj Jeevanandan Marketing Manager at Zund UK



"In Pre-Assembly, we lay the foundation for every single Zünd cutter. I enjoy being involved in the pre-assembly of key components of Zünd cutters and knowing that, at the end of the process, the tools and modules will be used by our customers in so many different applications"

### - Bianca Ladner

Pre-Assembly at Zünd Systemtechnik AG



### Watch the Zünd corporate video



"I really love working in a family-run company that makes such a solid, respected product.

What I like best about my current job is the variety of the work – every day brings new challenges, and I relish all of them. Talking to a wide variety of customers and making sure they have a positive experience is extremely rewarding. After all, customer service is everything."

### – Angela Johnson

Service Plan Manager at Zund America



"I've met many customers since joining Zünd, from manufacturers of luxury vehicles and Formula One teams down to small companies producing flyers and stickers from home.

With such a variety of people and businesses, I never run out of challenges. No two days are the same. The many trade fairs I attend are another great source of contacts and interesting conversations, so my work really never gets boring."

### - Jamie Taylor

Senior Applications Technician at Zund UK



"As an applications engineer, I work at the Customer Experience Center. My job is to present our cutters and software solutions to customers, both in house and at trade fairs. My work constantly puts me face to face with fascinating people, applications, and materials, and I get to work with customers and suppliers to find the ideal machine and software configuration for an efficient digital cutting workflow."

### - Benedict Wasmer

Applications Engineer at Zünd Systemtechnik AG

"What I like best about my work? It's the flexibility, the work/ life balance, the corporate culture, the people, the challenging work, and the room for growth.

I truly feel that Zünd sees the person behind every employee, and that's the most important thing. Right from the start, I felt like Zünd saw me as a person, not just a number. A friendly word, a quick chat about my kids, someone asking about the fishing trip I just went on – that feeling of being valued is fantastic."

### – RJ Dusak

Service Director at Zund America





# Our customers: just as diverse as their cutters.

It takes great employees and high-quality products to get ahead. But there's more. It also takes ambitious customers determined to be the very best.

Zünd has helped more than 15,000 customers in more than 100 countries live up to their potential.

























































# A step ahead with Zünd

What do graphics, packaging, garments, furniture, shoes, composites for automotive and aerospace engineering, shade sails, tents, and so many other things all have in common? They involve the use of state-of-the-art cutting technology from Zünd. All over the world, our customers utilize our software, our cutting systems, and our automation solutions in so many different ways – we never fail to be impressed. At Zünd, we keep raising our innovation benchmark to pave our customers' way to even more efficient digital cutting processes and always keep them one step ahead of their competitors.

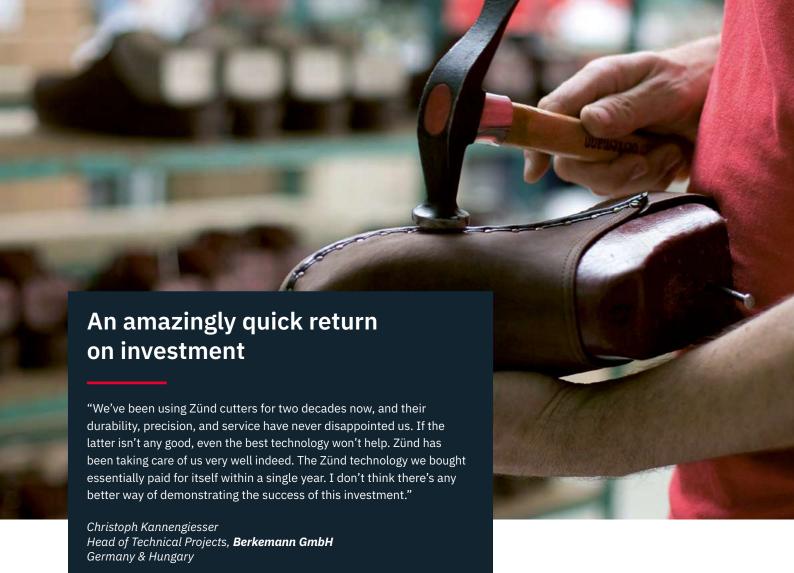
### Fully digitalized production with Zünd

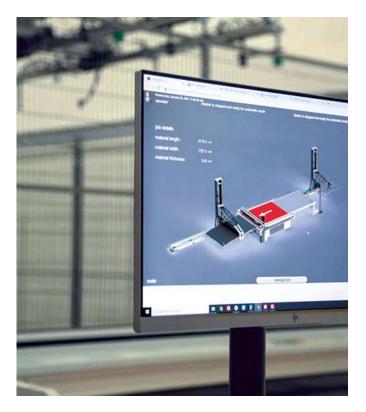
"We operate three Zünd cutters in Switzerland and the Philippines. During the week, they essentially run around the clock. Thanks to these cutters, we were finally able to make our production process digital, through and through. That, combined with the incredible reliability of these devices, has been very important to us. The orders we receive often involve thousands of individual parts, making them hugely complex. Our Zünd cutting systems really make life a lot easier."

Sven Erni Co-founder and CEO, **Impact Acoustic AG** Switzerland & Philippines





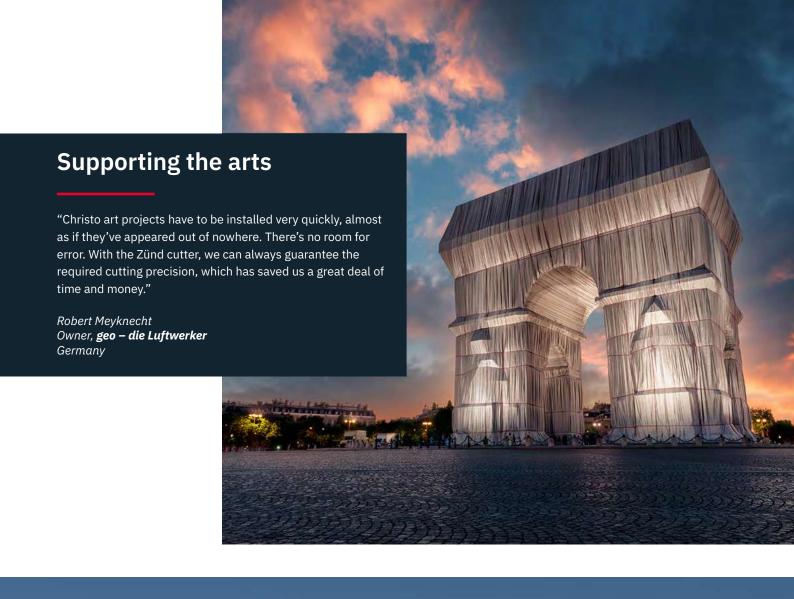




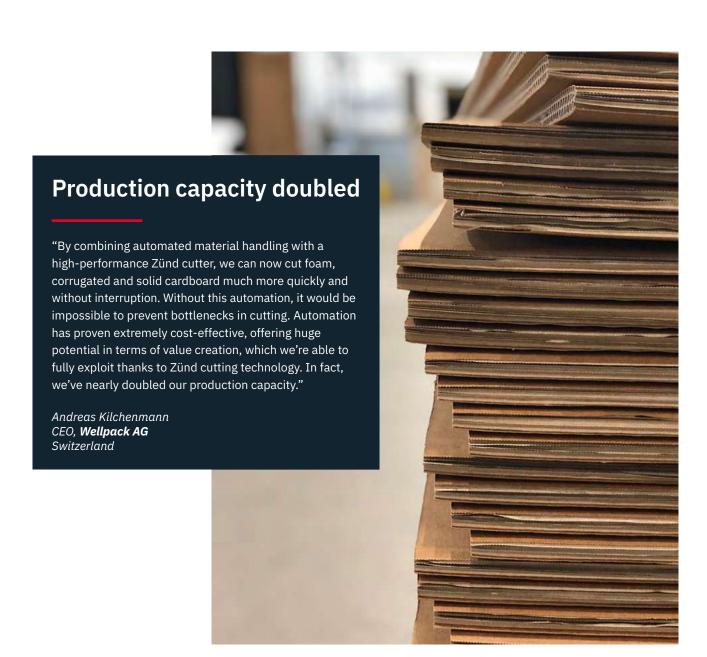
### A vision of 24/7 uninterrupted production brought to life

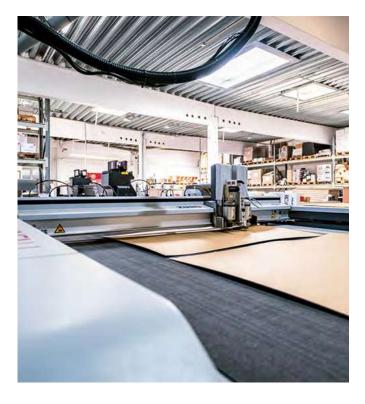
"Zünd played an essential part in the digital transformation of our production processes. The project initially took root in the sample-making department and rapidly grew into an entirely digital, fully integrated production line with a whole host of automation opportunities. Zünd brought our idea of an autonomous, 24/7 production system to life perfectly. Zünd cutters are powerful, high-performance, digital flatbed cutting systems with highly durable blades, router bits, crease wheels, and other tools that give you the ability to process a vast range of materials with outstanding precision and efficiency."

Brandon Townsend CEO, **Promotional Print and Packaging** Canada









### "Zünd cutters are great at multitasking"

"Investing in our second Zünd cutter was an important part of our growth strategy. Today, we can produce most orders in house, which allows us to boost our value creation even further. I can only reiterate that investing in Zünd cutting technology is the best decision I've ever made. I've said it before, and I'll say it again."

Robert Bincik CEO, **Druckwerkstatt** Austria



### Going for versatility and quality

"We can now process a remarkably wide range of materials. including acrylic, foam, vinyl, wood, paper, rubber, leather, textiles, plastics, aluminum, cardboard, and composites for prototyping. No matter whether we're producing one-offs or long runs—the process is sure to be equally efficient and cost effective. We have invested in Zünd cutting technology to make sure we can guarantee our customers products of the highest quality. Our Zünd cutter enables cutting processes that are consistent, repeatable, and fall within the tightest of tolerances."

Chris Jones Owner, **CDO Routing** United Kingdom





### **Boosting productivity** with Zünd Connect

"The monitoring tool Zünd Connect makes a big difference to everyday production with our Zünd D3 and S3 cutters. For us, Zünd Connect also acts as a tool for automation. It gives me all the KPIs I need so I can easily identify where there's potential to further optimize efficiency. Being able to see at a glance where I need to modify the workflow makes it easier for me to plan our production schedules."

Mike Sorrentino Production Manager, **NGS Printing** USA



# Cutting systems to meet your every need

When it comes to high-performance digital cutting, your needs are our command. Zünd's innovative cutting systems will have you at peak performance – and one step ahead of your competition – at all times. The unique, modular systems Zünd offers give you all the flexibility you need in digital cutting.



### G3 cutter – our powerful all-rounder

No matter what you need for it to do, the G3 cutter will get it done. It will process virtually any material for you while offering all the flexibility and precision you expect, making it an indispensable tool for your digital cutting operations.



### S3 cutter – compact and multi-talented

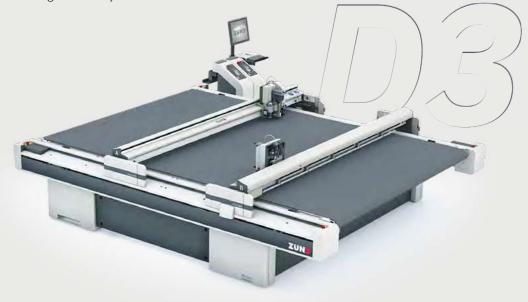
The Zünd S3 cutter adds a multifunctional, space-saving component to your production lineup. It boasts Zünd's characteristic modular design, utmost cutting precision, and superior efficiency— and takes up very little space.



### D3 cutter - made for performance

The Zünd D3 cutter will take your productivity to the next level. With an innovative dual-beam system, the D3 will keep your cutting operations moving effortlessly.







### L3 cutter – expertise in leather cutting

The Zünd L3 cutter excels at leather cutting as much as in ergonomics. Produce your leather goods efficiently and to the highest quality standards with the Zünd L3. Outstanding productivity, low operating costs, and easy integration in your production workflow ensure a very quick ROI.





### **Modules & tools**

Combine the modules and tools you need from our extensive product portfolio.

Benefit from our expertise and perfectly coordinated solutions to boost your production efficiency.



# Q-Line with BHS180

### The system solution for industrial pallet-to-pallet production

The Q-Line with BHS180 was developed for highly automated, industrial finishing of displays and printed packaging. In doing so, the Q-Line with BHS180 makes it easier than ever to optimize your production processes and achieve maximum productivity.

### Carbon fiber-reinforced plastic beams

The beams are made from carbon fiberreinforced plastic, which makes them very lightweight and exceedingly strong.



### Off-load unit

The new design of the off-load unit allows bridge-free cut boards to be stacked easily and reliably,

A. E.



# Automate your material handling

We combine our expertise in building digital cutting solutions with equally in-depth know-how in material-handling automation.

Our solutions ensure your production stays nimble, your productivity increases, and changes never catch you off guard.



More on material-handling

### **Cradle Feeder 100**

We provide roll-off units for automatically feeding roll goods, no matter what your specific requirements may be. The Cradle Feeder 100 is perfect for unwinding fabrics gently and without any kind of tension. and changing rolls during production is quick and easy.







More on the Center Winder





The sheet feeder – automated material feeding for Zünd S3 cutters

By using a sheet feeder, you can fully automate your production wrokflow with Zünd S3 cutting systems (M and L lines). The sheet feeder enables efficient, precise material feeding for films, paper, cardboard, or other types of board materials. Depending on the width of the material, the sheet feeder can also simultaneously feed from two stacks laid out side by side. A roll-off unit for rolled materials can be added as an option. The sheet feeder will allow you to process even large jobs quickly and flexibly.



More on the sheet feeder







More on automated board feeding

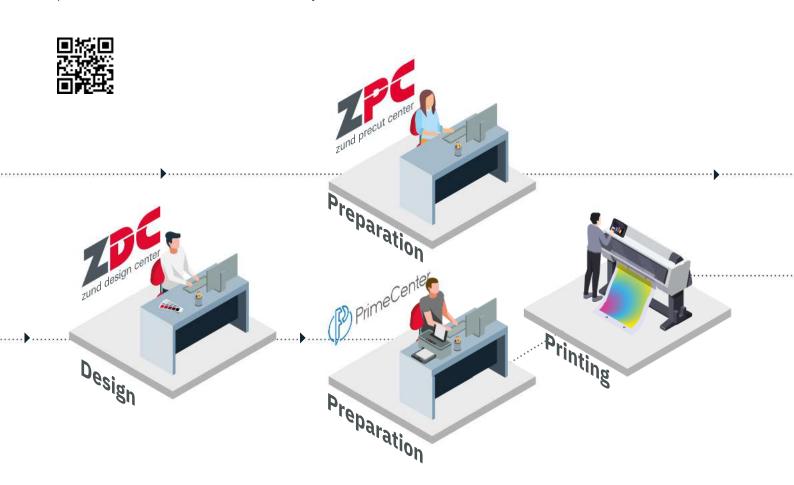
### Helping hands - collaborative robot solutions

Flexible production, variable quantities, maximum productivity – sound familiar? To help you handle all of that with as little cost and effort as possible, we provide smart automation technology involving collaborative robots. In addition to being extremely precise and flexible, our so-called "cobots" can be used very safely in a wide range of production environments. Take the Robot PortaTable 130, for instance: a smart solution that saves you time and money.



### Workflow optimization – Our software solutions

Zünd's software solutions digitally transform your cutting operations. They automate your file preparation and production processes, and they also generate insightful data for production analyses and reporting. Innovative Zünd software takes care of your entire digital cutting process, accelerates your production, and maximizes efficiency across the board.



### Zünd Design Center - ZDC

Zünd Design Center lets you create individual designs in a few simple steps. Browse a vast library of templates, pick a favorite, and enter the dimensions you need. Add logos, text, and patterns to complete your design. Before exporting it, check your design in the 3D preview. ZDC can generate .zcc files containing details such as material type and thickness, ready for import to Zünd Cut Center.

### **PrimeCenter**

PrimeCenter is your control center for efficiently creating print & cut files. It simplifies file preparation and output, enabling the level of printing and cutting-workflow automation you are looking to attain. PrimeCenter is available in three versions: Basic, Pro, and Max. This allows you to adjust the level of PrimeCenter automation anytime according to your specific needs.

### **Zünd PreCut Center – ZPC**

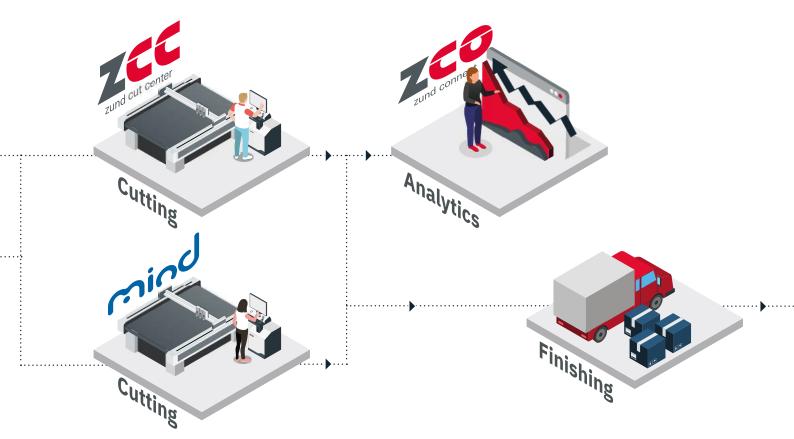
Automate and simplify your file preparation and output with PreCut Center – ZPC. The software generates a nested cut file in a few, simple steps. All you need to do is define the material and parameters; ZPC automatically nests the shapes on the unprinted material to minimize waste and production times. The output file contains metadata, ensuring order transparency throughout the production process and easy identification of each cut part.

### Zünd Cut Center - ZCC

Zünd Cut Center – ZCC is a software suite that controls and automates the entire digital cutting process. It interfaces directly with the Zünd cutting system to facilitate your production workflow. With a wide range of functions, the software ensures production efficiency and maximum transparency at every stage of the digital cutting process. Process more jobs without adding manpower, boost process security, and ensure reliable pre- and post-production analyses.

### **Zünd Connect – ZCO**

Zünd Connect is a cloud-based software (SaaS) that enables you to analyze the availability and capacity of your Zünd cutters. It also detects losses in cutting efficiency. Zünd Connect informs smart decisions to ensure consistent value creation even in the face of growing complexity.



### **MindCUT Studio**

MindCUT Studio was developed specially for automating leather and textile cutting. The modular software suite covers the various steps involved in textile and leather processing.

With highly efficient nesting capabilities, perfect pattern matching, and a seamless print & cut workflow for digitally printed fabrics. MindCUT Studio is intuitive to use and offers all the flexibility you need for an efficient, powerful digital cutting workflow.

# What service means to us

Service is not just an idea to us, and it's more than a promise. It's a way of life – one that permeates everything we do at our company. We maintain a global service network of more than 300 technicians so you can always get a hold of someone quickly, no matter where you are.







### Meet us face to face

At our Customer Experience Centers, you can put our cutters to the test before committing to anything.

Send us your materials, and we will test them for you, or come and visit us for a personal demonstration. Explore our latest cutting solutions, and let us discuss in person the many ways we can help you optimize your cutting operations.

### my.zund.com - your easy central access point

MyZund, our online portal to the digital world of Zünd, gives you 24/7 access to everything you need. The MyZund portal offers a wide range of cutting and routing accessories, along with other consumables available for you to order anytime at your convenience. MyZund is also your easy central access point for our software solutions. Here you can find all the details on our software offerings and are able to purchase the appropriate license(s) for your needs.

In addition, MyZund lets you access KPIs to analyze the productivity of your cutting systems. The browser-based solution Zünd Connect offers comprehensive data you can use to analyze your production, determine Overall Equipment Effectiveness, and uncover potential areas of improvement.

### **Consumables**

Discover the extensive range of high-quality consumables available from Zünd. Not only are they a perfect fit for your Zünd cutting systems, they naturally deliver top-quality cutting performance and maximum productivity High-quality output, reliable productivity – all at a fair price. Our blades, router bits, and other consumables are carefully selected and undergo thorough, expert testing. You can rest assured your production will always be up to the highest quality standards.



# Sustainability in everything we do

We don't like to shout about it, but you might like to know that we are fully committed to sustainability. After all, working sustainably benefits everyone: our environment, our company, our employees – and, especially, you.



### **Local suppliers**

Conserving energy and resources is of great importance to us.

That is why 65% of our machine components are manufactured within a 30 km radius of Zünd headquarters.



### Our gardens In a 2 000 m<sup>2</sup>

In a 2,000 m²area on company grounds, we grow vegetables and herbs harvested year round . The fresh produce is served daily in our employee cafeteria as soups and salads.



### Nature on site

Zünd headquarters offer space to breathe freely, with green walls and roofs, and a courtyard featuring a natural habitat with pond.



### Solar energy

In a roof area of 740 m², 1,400 solar modules produce 360,000 kWh of electricity per year. That amounts to 70% of the annual energy needs at our HQ facilities.



# Rooted in Switzerland, active all over the world

We have always been committed to producing in Switzerland. This is more than just lip service: Switzerland is a leading production location for mechanical engineering and precision technology. We are proud to be able to develop and produce our innovative cutting solutions here, in cooperation with our regional suppliers. Switzerland stands for quality, precision, and innovation – values that are reflected in every single product made by Zünd Systemtechnik.





Contact us!



- Zünd subsidiaries
- Zünd sales and service partners

### Overview of sizes

### **Generation 3**



**S3 M-800** 1330 x 830 mm | 52" x 32"



**L3 C-40**1000 x 2300 mm | 39" x 90" **L3 C-56**1000 x 3240 mm | 39" x 128"



**S3 M-1200** 1330 x 1230 mm | 52" x 48"



**S3 L-1200** 1800 x 1230 mm | 70" x 48"



**S3 XL-1200** 2270 x 1230 mm | 89" x 48"



**G3/S3 M-1600** 1330 x 1600/1630 mm | 52" x 63"/64"



**S3 L-1600** 1800 x 1630 mm | 70" x 64"



**G3 XL-1600** 2270 x 1600 mm | 89" x 63"



**G3 2XL-1600** 2740 x 1600 mm | 107" x 63"



**G3 3XL-1600** 3210 x 1600 mm | 126" x 63"



**G3 M-2500** 1330 x 2500 mm | 52" x 98"



**G3 L-2500** 1800 x 2500 mm | 70" x 98"

1800 x 3200 mm | 70" x 125"



**G3/D3 XL-3200** 2270 x 3200 mm | 89" x 125"



**G3/D3 2XL-3200** 2740 x 3200 mm | 107" x 125"



**G3 3XL-2500** 3210 x 2500 mm | 126" x 98"



**G3/D3 3XL-3200** 3210 x 3200 mm | 126" x 125"

### **Q-Line**









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