

MORE
THAN METAL

FUCHS
METALLTECHNIK



Creativity

is thinking up new things.

Innovation is doing new things.

Theodore Levitt, Prof. Harvard Business School, coined the term "globalization"

Innovation is more than a "new idea" at Fuchs Metalltechnik, we see it as a mindset. Innovation starts with the joy to think in alternatives. It originates in our experience, which enables us to see alternatives in the first place. And it is realized in the technical competence to actually implement the chosen alternatives.

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CONTENTS

CONTENTS

6 COMPANY	8 YOUR BENEFITS	10 PRODUCTION AREAS
11 CORE COMPETENCE FIELDS	12 PUNCHING TECHNOLOGY	14 WIRE BENDING TECHNOLOGY
16 TOOL MANUFACTURING	18 WORK FLOW	22 CUSTOMER CARE

OUR ROADMAP TO YOUR PRODUCT



PROJECT MANAGER

One of our project managers will be your partner and guide you through all steps towards your new product or project.

We at Fuchs Metalltechnik follow a clear-cut, step by step approach in design and manufacturing. You are our main partner in this collaboration. Based on your specifications and inputs during the process, we strive to achieve a cutting edge cost, quality and performance ratio.

INITIAL MEETING

PRODUCT DEVELOPMENT

RESEARCH & DEVELOPMENT

PRODUCT DESIGN

HAND SAMPLES & PROTOTYPES

TOOL DESIGN & TOOL MANUFACTURING

SERIAL PRODUCTION

QUALITY CONTROL

WAREHOUSING & LOGISTICS



FUCHS METALLTECHNIK GMBH



Markus Felber
Managing Director

Thomas Hochauer
Managing Director

TECHNOLOGY LEADER

The manufacturing technology in the fields of **punching** and **wire bending** at Fuchs Metalltechnik is top-notch. Obviously, our high-performance computer-controlled machinery is a must to sustain that claim. But over and above, we are a tool manufacturer, and employ first-class engineers. Engineers, who are specialised in metal processing, who are dedicated to quality, and who show true passion for turning this material into first-class solutions.

INNOVATION LEADER

Our mission is leading the market in innovation, i.e. innovative products and innovative manufacturing concepts. Day by day, we strive to achieve, sustain and enhance this lead. We are constantly investing time and money in optimizing our work-flow, extending our knowledge base and the technologies we use, and selecting and intensifying partnerships. But in the end, the daily challenges we address together with our customers from the manufacturing and retail industries have been the real drivers for our remarkable growth.

SUCCESS NEEDS MORE



Georg Fuchs
Owner

Success needs more ideas, more dedication, more know-how. And success in the market needs even more: it needs a comprehensive understanding of performance and quality.

A FAMILY BUSINESS since 1780

On a total surface of about 5,000m², we combine the virtues of traditional craftsmanship with the economical efficiency of industrial manufacturing. For seven generations in a row, we have been measuring ourselves by checking how much added value we create for our customers, and employees, without losing sight of our social and eco-logical responsibilities.

Because success is more than simply the sum of all parts.



ISO CERTIFICATES

ISO 9001 Defines the general requirements of our quality management, in particular for reliable serial production. Fuchs Metalltechnik has been certified according to this standard as one of the first companies in the region and is steadily aiming at further improvements.

ISO 14001 Since 2013, we have been observing high and binding standards for all processes and targets which have an influence on our environment.

Customer satisfaction and quality only know one direction - forward: so already today we are gauging our company to fit the requirements of **IATF 16949**.



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YOUR BENEFITS





YOUR BENEFITS

WIDTH & DEPTH

At Fuchs Metalltechnik, our wide range of products does not affect consulting. And our in-depth consulting addressing technical challenges does not come at the expense of a broad range of services, materials, processing and finishings. We offer both sides of the coin : width AND depth. In other words, even if your specifications for punching and wire bending require the highest level of technology, you are practically always on the right side with us!

OUR KNOW-HOW – YOUR BENEFIT

1 QUALITY PROVIDES RELIABILITY

Our foundation: Generations of experience in metal processing. Excellently trained and educated employees. One of the leading special machine parks in Austria. Modern quality management according to ISO 9001:2008. And last but not least: pure enthusiasm for metal.

2 COMPETENCE IN COSTING PROVIDES SERENITY

We provide high performance at moderate costs. We are known for sticking to the prices we offer. And we are very astute at keeping down the costs of your upcoming products, by offering new and cost-efficient technical solutions.

3 R&D PROVIDES THE LEAD

Together with you, we transform your ideas into cutting-edge products. Thanks to our own tool manufacturing, efficiently and cost-effectively. Even during production runs, we can manage product adaptations or new releases on the go. As some say: “Vorsprung durch Technik”.



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WHAT WE PRODUCE

Equipped with an array of machinery having no equal in Austria, we at Fuchs Metalltechnik seamlessly link punching and wire bending technology with the help of modern automation. The versatility of our own tool manufacturing facilities are a further critical factor. The result is a flexible manufacture offering first-class quality at attractive prices.

*Well connected
Innovation, quality and efficiency seamlessly
go hand in hand at Fuchs Metalltechnik.*

1 PUNCHING TECHNOLOGY

We manufacture your punched parts in (nearly) any size and complexity – in various materials and surfaces.

2 WIRE BENDING TECHNOLOGY

We bring the wire exactly into the form that you need – in a broad range of dimensions, metals and surfaces.

3 TOOL MANUFACTURING

We develop tools – bespoke, tailor-made, exactly fitting your manufacturing specifications. So that your production series is top-notch, technically as well as commercially.



WHAT WE STAND FOR

What distinguishes us at Fuchs Metalltechnik? With us, you can discuss technical questions as well as aspects of the target markets. How come? On the one hand, we have come to know many markets as contract manufacturer for top companies. On the other, we ourselves are successful in manufacturing and marketing our own brands.



FASTENING TECHNOLOGY

From window- and door fastening, the fastening of panels and profile woods right up to floor fastening: innovative manufacturers, among them leading brands in Europe, trust our advice and our quality in manufacturing.

Both in wholesale and specialised trade, our own products – among them also classical dry mortarless construction products we have branded as BOWADE – have proven their merits, generating sustainable revenues.



CUSTOM BUILD

Making the seemingly impossible in punching and/or wire binding technology come true is our home turf. Because no matter how innovative your idea is and how specific the requirements of your order are, with our in-house tool manufacturing, leading expertise and a machine park having no equal in Austria, we make more out of metal.



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Punched precision

Why “more possibilities in manufacturing” also means “more flexibility”. And why “flexible” ultimately means “cost-efficient”.

Do you have high requirements on geometry and precision? Do you want to integrate thread form, press fitting or welding operations into the punching process? Are you in a pinch to change your mass produced part better yesterday than today? Whatever your challenge is, we at Fuchs Metalltechnik are the ones to address. We are your one stop shop. We combine development competence and long years of experience in serial production with the power of modern machinery. That increases efficiency.

In addition to design, the selection of adequate materials and surfaces is decisive in determining the value and the function of a punching product. Our experts choose the best solution for your requirements out of a broad range of possibilities.

PUNCHING- TECHNOLOGY



FACTS

BAND WIDTH



15 - 500 mm

MATERIAL THICKNESS



0,15 - 8,00 mm

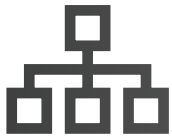
PROCESSED



3.000

TONS OF SHEET METAL
PER YEAR

MAN
MACHINE
MONEY



A high-performance machine park for metal processing is our high potential. With more than 230 years of experience in metal technology and a team of

committed employees, we make what Fuchs stands for: customer-oriented product development, technical precision and flexible manufacturing.

We produce mainly from coil with progressive die or progressive compound tools. Our production is equipped for all requirements: With eccentric presses with a pressing force from 40 to 400 tons and maximally 400 lifts per minute. With band widths of up to 500 millimetres. With band thicknesses starting at 0.15 mm and going right up to 8.0 mm.



PROCESSING

KTL / Powder/ Zinc lamella

Galvanising / chromium

Anodising

Welding

Vibratory finishing

Heat treating



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WIRE BENDING TECHNOLOGY



On the ball

Why Fuchs is always among the best suppliers of wire bending technology with top quality – no matter whether the batch size is small or large.

The efficient connection of modern wire bending machines with high-performance punching technology accounts for the lead Fuchs Metalltechnik has taken. It is expressed in excellent quality, flexible manufacturing options and high economic efficiency from small to large series production.

In addition to the well trained specialists involved in our wire manufacturing, we also use: handling robots, modular crimping units, chamfering units, thread formers, welding systems, and eccentric presses with a pressing force of up to 400 tons.



FACTS

WIRE DIAMETER



2 - 10 mm

PIPE DIAMETER



up to 10 mm

SPECIAL SOLUTIONS

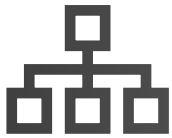
PROCESSED



500

TONS OF WIRE
PER YEAR

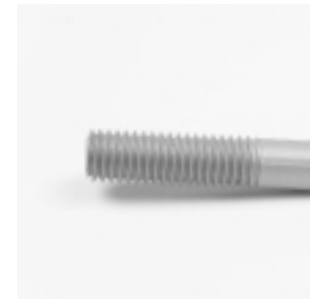
STEEL, ALUMINIUM & MORE;
BLANK, GALVANISED &
ANY BORE ...



Steel, aluminium, brass and much more: We offer you a broad choice of materials – thanks to our diversified supplier structure.

Our specialists support you in obtaining the optimum surface of your punching and wire parts. They have a perfect understanding of the demanding balance between the desired colour, necessary corrosion protection, release criteria demanded by specific industries – and, of course, the right price. Our comprehensive finishing possibilities range from hot dip galvanising, powder coating, anodising and galvanising through to rubber coating.

SPECIAL
SOLUTIONS ARE
ALSO POSSIBLE



PROCESSING

Crimping / shaping

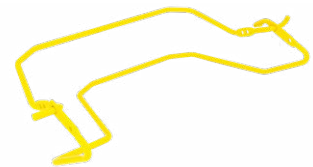
Chamfering / crests

Thread forms

Welding

Drilling

Punching



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TOOL MANUFACTURING



A tool as a tool

The following goes to show how Fuchs is able to realize your product ideas. Fitting both highest quality demands and competitive cost-efficiency, not only technically, but also commercially.

Our secret for your medium- or large-sized series production? We are tool makers. We produce tools for your manufacturing runs ourselves. Fast, efficient, in-house.

Advantage 1: We can accompany you in the development, design and planning of your product idea right from the start – technically, logistically and commercially.

Advantage 2: We know how to maintain and repair our tools – on short notice, fast, without any fuss.

Advantage 3: We quickly come to grips with product modifications you require, simply because we don't do any outsourcing. Tool design changes are the area where we at Fuchs Metalltechnik really shine: time-, quality- and costwise.

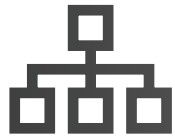
TOOL MANUFACTURING

3D CAD &
CAM TOOLS

CNC
PROCESSING

SPECIAL
SOLUTIONS

WE PAVE THE WAY FOR YOUR IDEAS

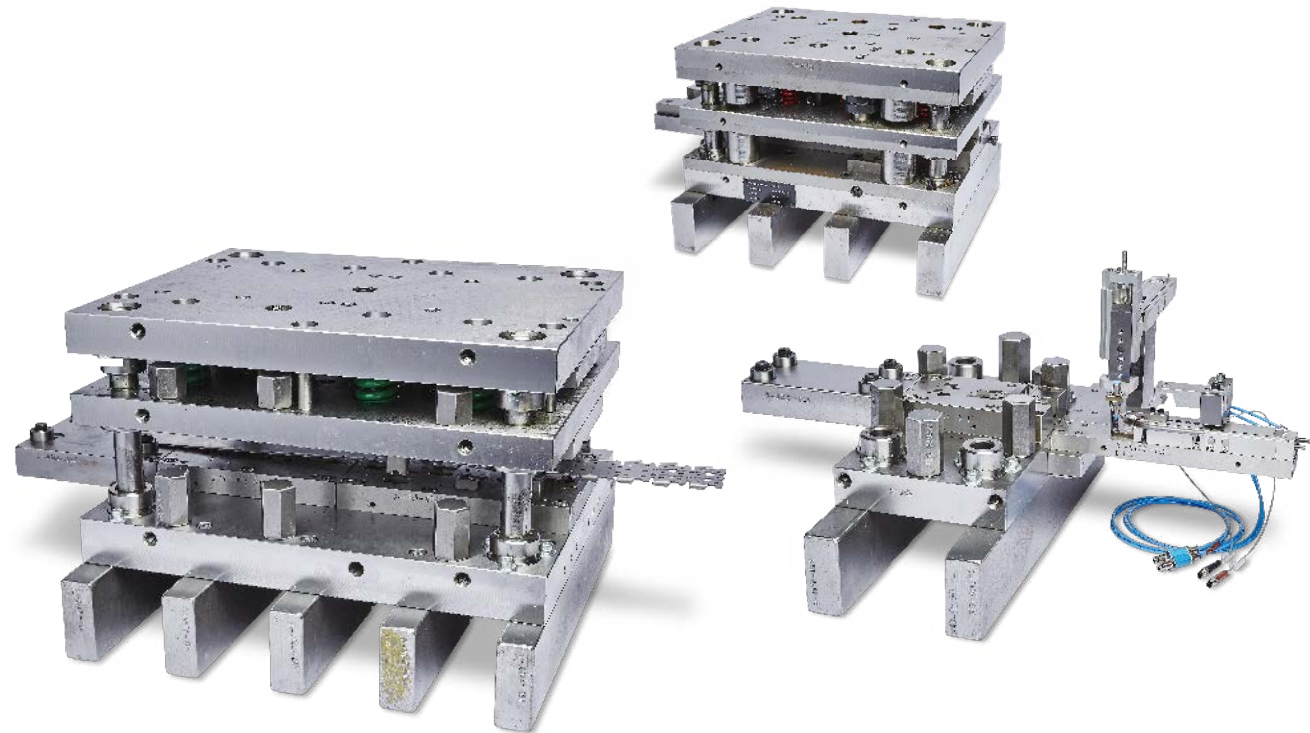


On our mutual path to manufacturing your products in series, our specialists in tool design and manufacturing can show the way – with their decisive know-how of

cost-performance ratios.

Our designers, trained by peers in-house and external consultants, use **3D CAD** and **CAM tools** of the latest generation. They integrate various manufacturing operations into our **cutting-edge compound tools**: e.g. cutting, bending, and thread forming or feeding bolts, nuts and other pressed parts.

In this way, high-tech **punching** and **bending tools** which meet the highest demands are made on a surface of 300 square metres.



PROCESSING

Cutting / Bending

Crimping / Shaping

Thread forms

Riveting

Pressfitting

Welding



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PRODUCT IDEA AND SKETCH

AN IDEA TAKES SHAPE

It may start with something like “our vision/goal is to ...” Or some comments similar to these seem floating around: “It might work this way or let’s try that...” Ideas have many driving forces. And they can take on many forms: manual sketches, just visions in your mind, or whatever.

What counts, is that our **project managers** are specialists in grasping ideas, understanding concepts and sharpening them. Share your product idea with us. It may well be the beginning of a successful mutual endeavour.

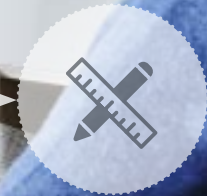


PRODUCT DESIGN

A PRODUCT TAKES SHAPE

How is a good idea transformed into a viable product design?

By utilizing our expertise. For a starter, our technicians generate an initial CAD representation of the basics. The objective is to highlight the technical issues involved and to provide the crucial inputs for costing. **The idea now starts evolving into a product.**



RESEARCH & DEVELOPMENT

FUNCTION, MATERIAL, SURFACES



The next step is vital: you provide us with performance targets and goals, in other words, what your product "must do". Together we then define how to meet these objectives re. the product itself and the manufacturing process involved. Questions to be answered are typically: How can a desired function be realized technically in the most cost-efficient manner? Which material is suitable? Which forces and/or environmental stress is the product subjected to – and which surfaces can deal with these?

Our expertise and indepth know-how will provide you with doable suggestions for the most economical way of manufacturing Class A products – yours.



TOOL DESIGN & TOOL MANUFACTURING

THE PERFECT DESIGN

A well designed tool is the prerequisite for any successful large scale manufacturing activity. With the help of high-performance 3D CAD and CAM tools, we can design and make tools in-house, that enables you to make products which are unique and competitive. That is what we call "perfect design".



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WORKFLOW

SERIAL PRODUCTION

ON YOUR MARKS. GET READY. SERIES!



Before a series goes into production at Fuchs Metalltechnik, everything is set up precisely. This guarantees high product quality and a reliable production process. This goes for small and large series.

Over and above: We control our production tailored to your demands i.e. we deliver your products in the right quantities exactly when you need them.



QUALITY MANAGEMENT

TECHNICALLY. ECOLOGICALLY.

We were certified according to **ISO 9001:2008** as one of the first companies in the region. Ever since, we have been continuously honing our system in quality management - and already strive to meet the requirements of **ISO/TS 16949** for highest system and process quality.

However, "**Quality**" comprises more than QM at Fuchs Metalltechnik. All our manufacturing processes, which have an impact on the environment, are managed according to the guidelines of **ISO 14001** in order to meet our ecological targets.

WAREHOUSING & LOGISTICS

THE RIGHT THING AT THE RIGHT TIME

Reasonable costs for small quantities, low storage costs, and reliable shipping are a must for our customers. But we even guarantee pre-scheduled delivery times – because we take warehousing and logistics seriously.

That means thinking through the mechanics in this realm. Result: our system of "Rhythmic Work Scheduling" We divide production orders into sensible lot sizes, the crucial factor being "sensible". Without dwelling into our secrets, you profit from high punctuality and low costs.



FINISHED PRODUCT

UNPACK. USE.

When we at **Fuchs Metalltechnik** deliver a finished product to our customer we really mean finished: ready for installation or for use, no matter if it is a terrace fastener or a machine part.

Exact work in the development phase, highest accuracy in production and carefully tailored deliveries form the guarantee for this.



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SUPPORT & FURTHER DEVELOPMENT

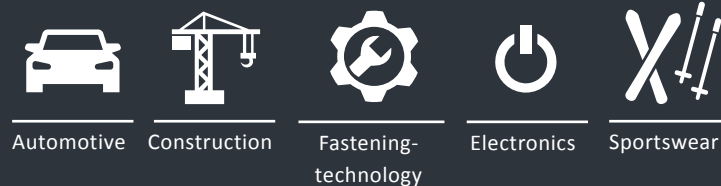
WE TAKE CARE – FROM THE START
RIGHT THROUGH TO THE FINISH LINE



Reaching the finish line means staying on course, even if hurdles appear. At Fuchs, designated specialists of metal technology prevent you from tripping over hurdles, the whole way through. Always available with valuable advice, they share your first ideas, support and enhance your design process, optimize work scheduling, fine-tune PPS and tweak the costing.

But the finished product is not the end, by no means ...

THE MARKET KNOWS
NO END,
ONLY A “FORWARD”.



WE ARE HERE FOR YOU

Customers and their special demands are the key to successful products. We know this very well. This is why we consistently focus our attention on our customers.

Attention and partnership - now and for as long as you need us...

At Fuchs Metalltechnik, experienced engineers, committed office staff and dedicated project managers are at your disposal.

Together with you, they use every chance to make your product even more competitive than it already is. Even if your production run is already over, their willingness to advise is not.



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INNOVATION MADE IN AUSTRIA


Developing something new in metal technology requires people, who master the full range of traditional methods and craftsmanship. At Fuchs Metalltechnik we do both. The history of the company started in 1780, as part of the historic cluster of metal processing called "The Iron Road". Nowadays we can proudly claim:


Skilled, when it comes to metal as a material. Industrial, with reference to manufacturing. And innovative with regards to the market.


Over many generations we have crafted our skills and knowledge of metal, our favourite material, and have transformed this tradition into contemporary industrial dimensions. Our creed has been and continues to be innovation. This has resulted in a rare combination of product design and manufacturing know-how.



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IDEAS, INITIATIVE,
INNOVATION:
WE ARE READY.



At Fuchs Metalltechnik, we don't only preach innovation, we live it. The list of examples bearing witness for this reaches a long way back. We would love to be your partner too, when it comes to transforming ideas into innovations. Just take the initiative, we are ready!



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