



faigle

faigle machining

Passionate about plastics

moving forward



Thermoplastics – at the heart of everything we do

“We develop, produce and sell thermoplastics. Treating the seemingly impossible as a challenge, investigating the unknown, developing new innovations and achieving success alongside our partners. That’s what drives us. And it’s our goal.”

For half a century, faigle has specialised in the production of machined finished parts, sales of semifinished products, and delivery of bespoke services.

Outstanding plastics expertise – applications consulting

faigle customers benefit from our wide-ranging expertise in applications-related consulting, and also when it comes to selecting the right material for their application.

State-of-the-art equipment

Our machines are configured precisely for plastics processing, which helps to make our processes exceptionally

efficient. Whether it’s complex one-off production runs or high-precision volume manufacturing, the optimised layout of finished parts ensures optimised manufacturing processes – from both a technical and a financial perspective.

Close collaboration with our customers in Austria and abroad not only gives them access to a wide range of services; it also helps them to save time and money. This is why long-established metal-machining businesses also make use of faigle’s services, allowing them to add top-quality plastics to their portfolios.

faigle machining portfolio



Semi-finished products for trade and industry

faigle’s semi-finished plastic products meet the highest standards. Customers can also easily access our comprehensive range of semi-finished goods and 1st Cut Service for blanks, planing and grooving online by registering in faigle’s online shop.



Machined finished parts manufactured to customer specifications

faigle has extensive expertise when it comes to the dimensional stability of different types of plastic in the machining process – which is vital for achieving outstanding results – while our high-tech equipment also ensures precision manufacturing.



Semi-finished products

Virtually all shapes and sizes



faigle materials – quality you can count on

Our PAS® materials reflect faigle's extensive mechanical engineering experience. The materials used in sliding guides, sliding bars and other parts exposed to friction need to be wear-resistant and have optimal sliding properties. And when it comes to these requirements, faigle materials tick every box.

We also offer a comprehensive and varied selection of transparent materials, ranging from acrylic and polycarbonate to polyethylene terephthalate. Custom products are available with modifications tailored to your specific application, including UV-stabilised, and with single or double-sided anti-reflective or scratch-resistant coatings.



faigle's semi-finished product range

We have 450 tonnes of semi-finished products permanently in stock, in more than 1,200 dimensions made from over 100 different materials. We carry out processing using state-of-the-art machines specially tooled for plastics. Speed and customer service are faigle's top priorities. Find out more about the 40,000-plus products that make up our extensive range.

1st Cut Service

The following services are also available on request:

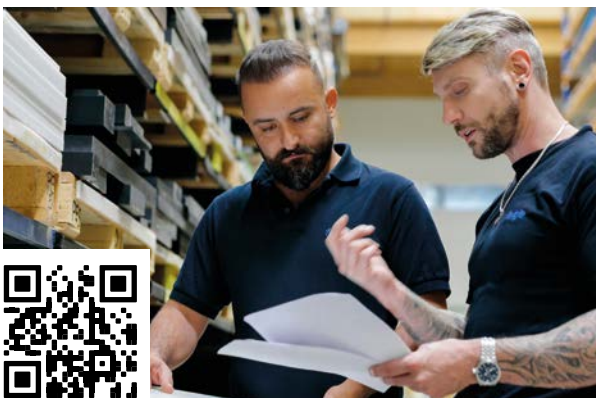
- ✔ Sawing of rods, panels and tubes
- ✔ Planing of plate blanks
- ✔ Grooving of plate blanks
- ✔ Production of bevels, grooves and shoulders
- ✔ Centreless grinding of round rods and tubes
- ✔ Maximum convenience – all services available in faigle's webshop





Semi-finished products

Extensive range and easy ordering



Check out our material finder

Energy efficiency and sustainability

faigle's applications experts are on hand to help you find high-quality alternatives to steel and aluminium. Compared with these materials, production of our high-performance plastics is more energy-efficient – meaning they also deliver CO₂ emission savings. What's more, thanks to their outstanding sliding properties, our X materials – LX, LXY and 80X – require smaller amounts of environmentally harmful lubricants. Plastics are also exceptionally corrosion- and chemical-resistant, which helps to extend the service life of industrial plants. Technological innovations such as cut optimisation software mean we can deliver high-efficiency cutting of semi-finished products while at the same time minimising waste and ensuring effective recycling of offcuts. Besides reducing waste, this enhances sustainability, too.

Find out more about our wide range of materials

The material finder on our website gives you access to all the information you need in just a few clicks. You can search for plastics filtered by specifications such as temperature resistance, mechanical properties and fire-safety performance.

Easy ordering of semi-finished products in our webshop

You can order semi-finished products and related services quickly and conveniently in our online shop. We are ISO 9001 and ISO 14001-certified and only work with producers who have implemented appropriate quality standards.



Visit our webshop

See the benefits of our webshop for yourself

- ✔ Overview of products in stock
- ✔ Quotes for panels, rods and tubes
- ✔ Quotes for blank cutting including machining
- ✔ Real-time price calculation with bonus programme
- ✔ Price calculator
- ✔ 24/7 availability



Machined finished parts

Made-to-measure, precision plastics



Dimensional stability in the machining process

With more than half a century of experience in the production of machined finished parts, faigle knows all about the dimensional stability of the various types of plastic in the machining process, and how to achieve the best results.

Optimum configuration for plastics processing

Our machines are configured precisely for plastics processing, which helps to make our processes exceptionally efficient. This is why established metal-machining businesses also make use of faigle's services, allowing them to add top-quality plastics to their portfolios.



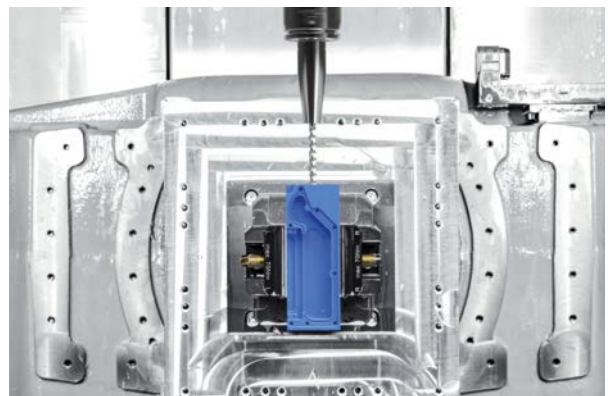
Scan the QR code to watch our video and find out more about machining processes at faigle.



Precise layout of finished parts

Whether it's complex one-off production runs or high-precision volume manufacturing, the optimised layout of finished parts helps to maximise the efficiency of manufacturing processes – from both a technical and a financial perspective.

Expert consulting from faigle's applications engineering team during the planning and design phase gives you all the support you need when it comes to selecting materials: Depending on your requirements, finding the most suitable material is a key success – and cost – factor. We'll be happy to talk to you.



Extensive range of dimensions

Our CNC milling and turning centres can manufacture parts in a wide range of dimensions, and are just as efficient for producing individual parts as they are for small and medium-volume runs.



Plastics expertise.

The number-one partner for breakthrough technologies

We'd be delighted to share our applications technology know-how with you – find out how you can make the most of our plastics expertise

If you have products that are at the development or design phase, we can provide consultation on applications technology as well as support with selecting the ideal material, finding ways to optimise production technologies, and defining tolerances that are suited to working with plastics.

The plastics machining experts

faigle is widely regarded as an expert in plastics machining, and only processes thermoplastics. This gives us access to a wealth of expertise in a wide variety of applications.

High-quality parts tailored to your application

Building on our expertise, we promise to supply you with top-quality, bespoke parts for a variety of applications.

faigle materials

Thanks to faigle's strong focus on innovation, our materials – including PAS-LX, PAS-LXY, PAS-80X and PAS-C60 – have the ideal tribological properties for your specific application.

High-quality materials + faigle's machining expertise = quality that hits the mark

Looking for long-lasting, long-term solutions? We have the answer: premium materials in combination with our machining know-how. Our passion for quality and reliability means we're perfectly placed to help you satisfy your requirements.

From the idea to the finished product

We support you every step of the way with our plastics know-how

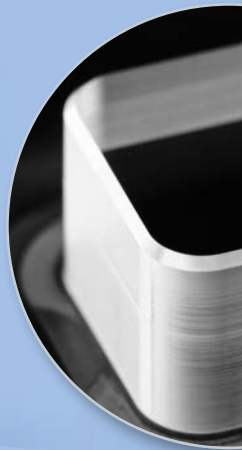
Applications engineering consulting – get the most out of our plastics expertise

The faigle team is on hand to provide you with applications engineering support right from the development or design phase for your products. We can help you to select the right material, find ways to optimise production technologies, and define tolerances that are suited to working with plastics.



Quality assurance

As an ISO 9001 and ISO 14001-certified business, processes and quality are paramount for us. Our employees attend regular training courses that enable them to carry out quality assessments and statistical process control (SPC) checks independently.



Milling and turning

Our CNC milling and turning centres allow us to supply a broad spectrum of different dimensions while also maximising efficiency for processes ranging from manufacturing of individual parts to mid-volume production runs.





Selecting the right material

faigle also offers you support when it comes to choosing materials. Depending on your requirements, finding the most suitable material is a key success – and cost – factor.



CAM programming

The production process kicks off with CAM programming by our highly qualified, expert team.



Robot-assisted CNC machining

Our state-of-the-art, high-performance equipment can easily handle parts with complex geometries, carrying out simultaneous five-axis machining on all sides.

Use-Case Matrix Charging® Scan the QR code to find out how we successfully implemented a generation of prototypes for one of our customers.



Service portfolio

From volume production to custom machining – we can take on any challenge

Volume production

If you need significant volumes, our machines are ideal for large-batch orders, delivering unrivalled quality on even more attractive terms.

This means we can process conventional turned and milled parts, as well as injection-moulded components that require additional machining after production due to their geometries or tolerances.

Custom machining

Working together with faigle Igoplast, we also fulfil exclusive bespoke requests. Polyamide containers produced in our foundry can be machined in line with your specifications using conventional processes.

Quality assurance

faigle is an ISO 9001 and ISO 14001-certified company, so processes and quality are paramount for us. Our employees receive regular training that enables them to carry out quality assessments and SPC checks independently.

faigle's in-house measuring equipment uses haptic and optical measurement systems to check geometries that cannot be inspected using simple measuring devices. If you have more specific requirements, our reliable partners are there to help.



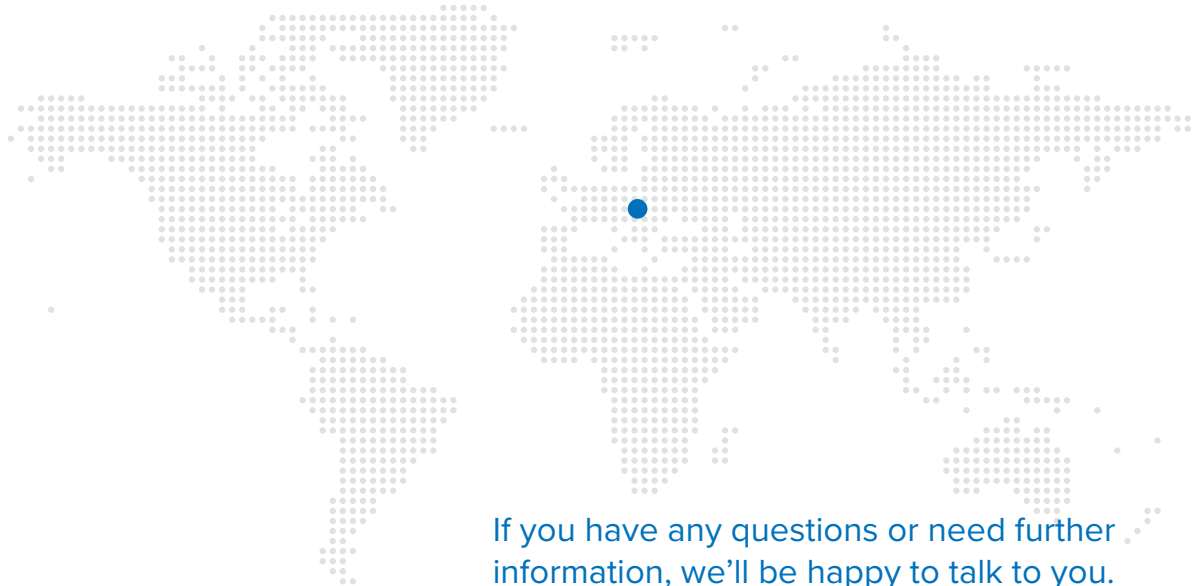
To find out more about **machined finished parts**, visit our website by scanning the QR code.

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faigle – the home of plastics innovation



If you have any questions or need further information, we'll be happy to talk to you.

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