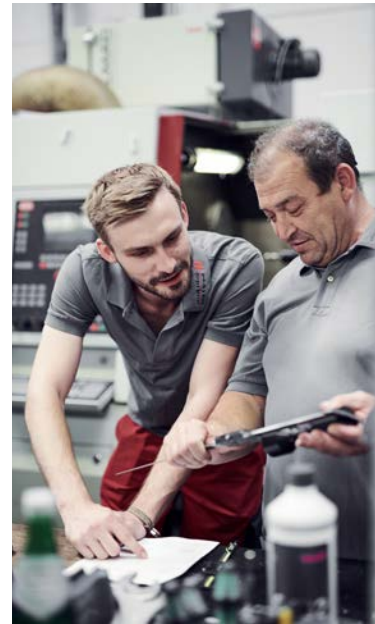


COMPANY

**Plastics specialist since 1938 – Trading plastics.
Machining plastics.**

Arthur Krüger stands for innovation, versatility and service strength in the complex field of plastics applications. We offer you semi-finished plastic products and produce finished plastic parts by turning, milling or thermoforming according to your requirements. In addition, we offer solutions made of glass-fibre reinforced plastic (GRP) for plant, water, rail and bridge construction. As a producer and service provider, we combine state-of-the-art technologies and technical expertise with the best craftsmanship and the strengths of a family-run company. Approx. 75 employees at our location in Barsbüttel near Hamburg are committed to offering you optimum solutions, high-quality products and perfect service at all times. As a modern, technology-oriented company, we practice active quality management certified according to DIN ISO 9001.



On the left: 4th generation of owner and CEO Nils Krüger



PLASTIC RETAIL AND CUSTOMISATION

We're your partner when it comes to plastics! With a warehouse space of 5,000 m², we have a wide range of semi-finished plastic products available for you from renowned, branded manufacturers. Whether it be plates, pipes, flat or round rods or profiles – we would be happy to advise you which plastic is suitable for your application and supply you with the right material quickly straight to your premises. Also, use our rapid cut-to-size service!

Our range includes

- High-performance plastics
- Technical plastics
- Plastics for linings
- Plastics for food-grade applications
- Plastic for advertising & visual communication



2D PRODUCTION MILLING & EDGING

In addition to 3D, 5-axis milling, we also offer you option of 2D production. In our new machine park, plates up to large format are milled, drilled and if required edged too.

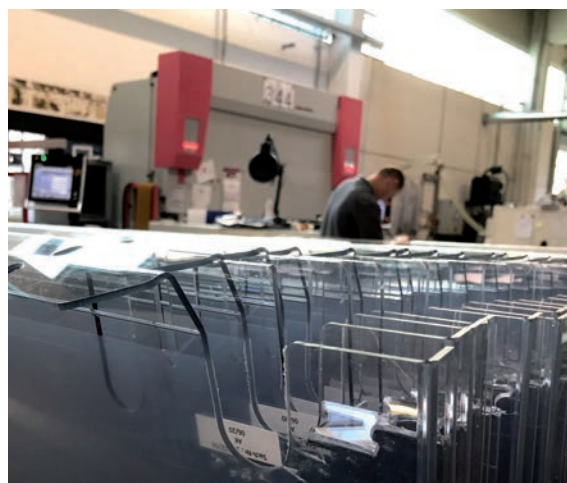
We manufacture according to your drawings, and if necessary we can also design and draw them for you!

Our options:

Milling – Up to 2,000 x 3,000 mm, with plate changer and up to 21 tools

Cold edging - Up to a thickness of 15 mm, Edge length up to 3,000 mm, Materials: PC, PE, PUR

Warm edging - Up to a thickness of 10 mm, Edge length up to 3,000 mm, Materials: all thermoplastics



MACHINING

The most cost-effective production option for meeting these many different requirements is chip-removing manufacturing. From a wide range of technical and high-performance plastics, as well as a modern fleet of machines, we choose the best solution for your requirements.

We supply finished plastic parts for machine and systems builders, whether it be in the packaging and food industry, aviation, medical technology or the pharmaceutical industry.

Our options:

Turning

- Conventionally up to diameters of 2,000 mm and lengths of 1,500 mm
- CNC up to diameters of 1,000 mm; CNC up to 400 mm with power tools
- Turning machines with a spindle aperture up to a diameter of 80 mm

Milling

- Conventionally 900 x 300 mm
- CNC machines up to 2,000 x 3,000 mm, with plate changer and up to 21 tools
- CNC up to lengths of 6,000 mm and in an S clamp

Dovetailing

- Up to a Ø of 1,800 mm

Grinding

- Cylindrical grinding between points: point length 300 mm / point height 100 mm
- Grinding of round bars up to a diameter of 60 mm and length of 2,000 mm

Industries

- Mechanical and plant engineering
- Aviation
- Medical technology
- Pharmaceutical industry
- Food industry
- Packaging industry



THERMOFORMING

The plastic is thermoformed using the thermoforming method to the shape you want – up to a size of 2,200 x 3,300 mm. Our portfolio includes the design, prototyping, mould construction and series production in single or twin-sheet processes. The parts are finished on our punches or 5-axis CNC machines. If needed, components can be welded, bonded or riveted in our plastics fitter's shop. Certified according to ISO 9001:2015, we deliver services and products of the highest quality.

Advantages of thermoforming process

- Excellent cost effectiveness
- Fast delivery times for moulds, sample parts and small series
- Formats up to 2,200 x 3,300 mm possible!
- Top surfaces! Every required surface can be accommodated.
- Low mould costs
- Optimised weight reduction thanks to thin walls even on large parts
- Large selection of colours
- Plastic recycling (all thermoplastics), even regenerated material can be used

Applications

- Linings, covers
- Tool carriers, transport containers
- Covers, housings
- Protective glazing
- Grip protection
- Fronts, doors, mudguards
- Shower trays, consoles, interior



GRP PRODUCTS AND CONSTRUCTIONS

The material GRP (glass fibre-reinforced plastic) is a composite material made from a matrix (resin) and reinforcement (glass). This yields a high degree of stability, extremely high dimensional stability and a low weight. As a result, this material offers numerous structural and physical advantages wherever conventional materials such as timber and steel reach the limits of their capacity. We are even now building bridges made entirely from plastic!

GRP IS SAFE

Non-slip to R13, not electrically conductive and therefore unearthed, EBA, DIBt, HPQ according to DBS 918 010 approval

GRP IS EASY TO INSTALL

Low weight, easy processing

GRP REQUIRES NO MAINTENANCE

Resistant to UV and chemicals, corrosion-free

GRP IS SUSTAINABLE

Long lifespan, 100% recyclable

The materials we use have EBA approval, general technical approval from the DIBt and have been certified by Deutsche Bahn with the manufacturer product qualification DBS 918 010. This means we are certain that all construction-specific requirements can be met and that the constructions can also be used for the public domain.

We plan, build and create what you need! Whether you need bridges for hydraulic engineering, staircase towers or platforms for your installation, access ladders or track crossings in rail construction, embankment staircases or a new pedestrian bridge in your park!



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