



**Simply  
Better.**

## **We produce solutions.**

Regardless of how unique the requirement or the area of application may be - we will always find the solution that best meets the needs of our customer. That is the ultimate goal of our research and development at all times.

The creativity and individuality we bring to bear in achieving this goal is seen in the diversity of our products. Our portfolio is designed to meet whatever the requirements specified - regardless of the industry.

In close collaboration with our customers, we develop intelligent system solutions and custom-made products, e.g. for the insulating glass, automotive, electrical, fastening and solar sectors.

## **Strong team. Excellent location.**

Wherever high-quality stamping and plastic products are needed - the EDUARD KRONENBERG team is ready with commitment, expertise, experience, reliability and excellent solutions!

At our state-of-the-art location in the Haan Technology Park - near the Rhineland metropolitan region south of the Ruhr District - we are ideally positioned for innovative product development on a total of 25,000 square meters of floor area and 9,000 square meters of usable area.

In our ultra-modern building with its transparent structure, we benefit from short distances that allow us to work in an effective and contemporary way. The 'Garden City' of Haan offers us the optimal environment to find harmony in life and work.

## Connecting profiles.

### Easy handling. Stable. Sealed.

Regardless of the type, width or material: our EK STEEL and EK POLO Connect series connecting elements for the production of insulating glass units are available in numerous designs.

Straight connectors, corner connectors or Georgian bar accessories - our product portfolio contains numerous variants. In partnership and close cooperation with the leading profile manufacturers in the insulating glass industry, we produce the appropriate steel and plastic fasteners for all profile systems and in all dimensions.

All connectors are characterized by optimum adaptation to the profile geometry, high stability and secure locking. Continuous revision and improvement also guarantee process-reliable processing, permanent profile closure and maximum load-bearing capacity.

**EK Connect fasteners are the preferred products in modern insulating glass production.**

A collection of various EK Connect fasteners, including straight connectors, corner connectors, and Georgian bar accessories, displayed on a dark surface. The fasteners are shown in different colors (grey, white, black) and are arranged in a way that highlights their diverse shapes and sizes. A semi-transparent grey box is overlaid on the right side of the image, containing the text 'For better connections.'

For better  
connections.

For a  
world  
on the go.



## Dynamics and control.

In the automotive industry and among its component suppliers, products and services from EDUARD KRONENBERG enjoy an excellent reputation worldwide. Why? Because we offer the most demanding high-precision parts for the specific needs of the automotive sector, including procurement, stocking, optional component assembly and one hundred percent control.

From foil to high-strength spring steel strip: EK's stamped parts made of steel and non-ferrous metals with surface treatment, manufactured to the highest standards of precision, have won many awards and are used, for example, in chassis, drive and control technology. In the field of e-mobility, EK products are chosen for their reliability and durability: e.g. in plug-in automatic transmissions, power electronics and EMC filters.

Our customers can rely on us to meet the highest standards at all times: EK meets the most demanding global quality standard in the automotive industry with company-wide certification to IATF 16949:2016.



## Precision and function.

This is our solution regardless of the requirement. For the electrical industry we produce a virtually unlimited variety of stamped and bent parts made of steel and non-ferrous metals, in addition to plastic parts.

For example, we produce flat and contact connectors, contact bridges, relay parts and connecting elements - ready for installation and pre-assembled on request. And - if required - with follow-up heat treatment and surface finishing.

For reliable  
power  
systems.



**For secure  
fixings.**



### **Individuality and craftsmanship.**

No matter where high-quality stamped and plastic products are needed, EDUARD KRONENBERG GmbH is on hand as a development partner and solution provider. With intelligent system solutions and individual custom-made products, we accompany our customers from the initial concept through the development of their new product to quality-tested series production and final assembly. This ensures that your project will be a resounding success.

A good example of this is the RS1 universal clamp for mounting solar modules on roofs and the Kronos glass clamp for securing balustrades and all-glass railings. We were given a major role in the development of these projects due to our expertise in the field of stamping and forming technology. All our products are designed to meet the highest standards in terms of load-bearing capacity, safety, durability and efficient handling.

**German engineering with maximum customer benefit.**



**We convince.**

### Steel and plastic.

We manufacture customized precision parts made of steel and plastic. When designing and developing new products for our customers, we draw on a wealth of experience and creativity, in addition to collaborating with renowned experts to come up with the optimal solution. Because no matter how unique the requirements may be: we always find the best solution.

In close cooperation with our customers, our design engineers are constantly working to provide innovative, individually tailored solutions. For this purpose, our ultra-modern machinery fleet that is continually optimized and expanded provides us with press forces of 250 to 3,000 kN for processing strip steel and non-ferrous metals from 0.03 to 6.00 mm thickness. We have also extended our in-house capabilities with state-of-the-art injection molding equipment.





Innovative  
by tradition.

## Always ahead of our time.

When it comes to innovation, quality and service, EDUARD KRONENBERG is as passionately committed and as highly motivated as it was on day one. What began 155 years ago with pocket knife springs and tool parts has developed into a reliable partner for a wide range of industries.

At EK, traditional and modern values have developed into a fruitful relationship: One and a half centuries of experience and expertise in steel processing and stamping technology and the continuous efforts to optimize our performance with our customers in mind have resulted in the highest standards of quality, a comprehensive service and state-of-the-art innovations. This combination of experience and our capacity for innovation has made us one of the leading manufacturers of precision parts with numerous international property rights.

People are the core of our success, which is why we invest heavily in the further training of our workforce of more than 100 employees. With our highly talented and motivated team, we are still leading the way today - from development to tooling, production and quality assurance down to logistics and sales.





## Development

An experienced project team accompanies you on the way to successful product and tool development. We work on a partnership basis and at the highest technical level to develop tailor-made, innovative solutions for stamped, bent and injection-molded parts.

The coordination hub for all projects at EK is project management with its application engineering department. From new development to ongoing optimization, each product is tested for its specific product features with the aid of a variety of test methods in countless in-house test series.

We work on modern 3D CAD workstations and with the aid of FEM calculations, offer in-house tooling and mold making, in addition to modern series production on our high-precision automatic stamping and injection molding machines. It goes without saying that we also provide optional product post-treatment, assembly and an accompanying, fully-integrated quality management system – including modern, optical outgoing goods inspection and systematic stocking facilities in our logistics department.

# Tooling

We use our own tooling technology to implement the solutions we develop: In our in-house mold and tooling facility, using state-of-the-art equipment for maintenance purposes, we create highly complex progressive dies based on modular design principles.

EK has stood for quality and precision for 155 years. It is our passion. It determines the actions we take every day, whether it relates to the quality of the more than 800 million stamped and plastic parts we produce each year or our commitment to the service we provide in customer support.

Our facility is IATF 16949:2016 certified, the world's most demanding standard for quality management systems in the automotive supply industry, demonstrating that EK meets the highest quality standards. This holistic approach to quality is fundamental to all areas of the company and all business units.

This also applies to the entire EK Connect product range. With our highly developed, globally patented innovations, we enjoy an excellent reputation throughout the insulating glass industry. EK has also developed its own comprehensive catalog of measures for in-process quality assurance, which far exceeds the specified standards.

#### **EK's commitment**

In terms of load-bearing capacity, safety, durability and efficient handling, our products meet the highest standards. That is our commitment to quality – guaranteed.



**Quality.  
Performance.  
Success.**



## Service

Whether as a partner of the insulating glass industry, the automotive industry or any other business sector: at EDUARD KRONENBERG, we do not limit ourselves to the production of precision parts. Rather, we offer our customers comprehensive support - from the development of a new product to quality-tested series production and guaranteed worldwide on-time delivery.

We are not just a supplier. We are your holistic solution provider. Our focus is always on sustainable customer satisfaction and a long-term partnership. This is what the owner family Kronenberg has been committed to for five generations.

This also applies to strategic partnerships in terms of development and design with renowned suppliers who are just as committed to the continuous optimization of our products as we are. Our portfolio of services also includes procurement, development and stockholding. When you deal with us, you get „everything from a single source“ in the truest sense of the word.

# Sustainability ...

Production at the highest level and a respectful approach to the environment are not mutually exclusive. At EK, we rely, among other things, on the use of process heat, air conditioning for the building using an air-to-water heat pump and a CHP unit to cover our needs. We also attach great importance to the targeted use of raw materials and the use of recyclable materials.

Our certification to ISO 14001 is the best proof of the sustainable use of resources in the way we work at EK. Sustainability is also an important concern for us in the training of new talent and the continuing education of our workforce - all in the interests of preserving our company for future generations.

We also promote biodiversity with several bee colonies on the EK site.



# and social competences.

The EDUARD KRONENBERG brand and company stand for values to which every member of our large team is committed. Responsible action and passionate commitment are just as important as an awareness of sustainability issues and the need to protect our environment. Compliance with high occupational safety and social standards is also taken for granted at EK.



# Services

- Consultancy
- Development and design (FEM calculations)
- Tooling and mold making (incl. prototyping and 3D printing)
- In-house application technology
- Quality-tested series production stamping and plastics technology
- Product post-treatment
- Assembly of components (supply of complete systems)
- Optional fully automatic 100 % testing
- Stockholding and on-time delivery

## Strip steel and non-ferrous metal thicknesses



## Pressing force



# Facts

- Location in Haan near Düsseldorf
- >100 employees
- 18 high-performance automatic stamping presses
- Plastic injection molding machines
- 2 robotic assembly lines
- >800 million parts per year
- Quality - Made in Germany.

### Post treatment of stamped parts

- Barrel finishing on modern continuous flow systems
- Thread cutting
- Degreasing / fine cleaning
- Heat treatment
- Tempering
- Surface treatment
- Foaming
- Component assembly (incl. spot welding robots)

### Other services

- Production of various stamped, bent, deep-drawn and plastic parts, in addition to other components as assembled units
- High reliability in the supply of complete systems
- Solutions as assembled units or overmolded hybrid components
- Use of sustainable materials such as biopolymers and ocean plastic materials.





**EDUARD KRONENBERG GmbH**

Stanz- und Kunststofftechnik

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