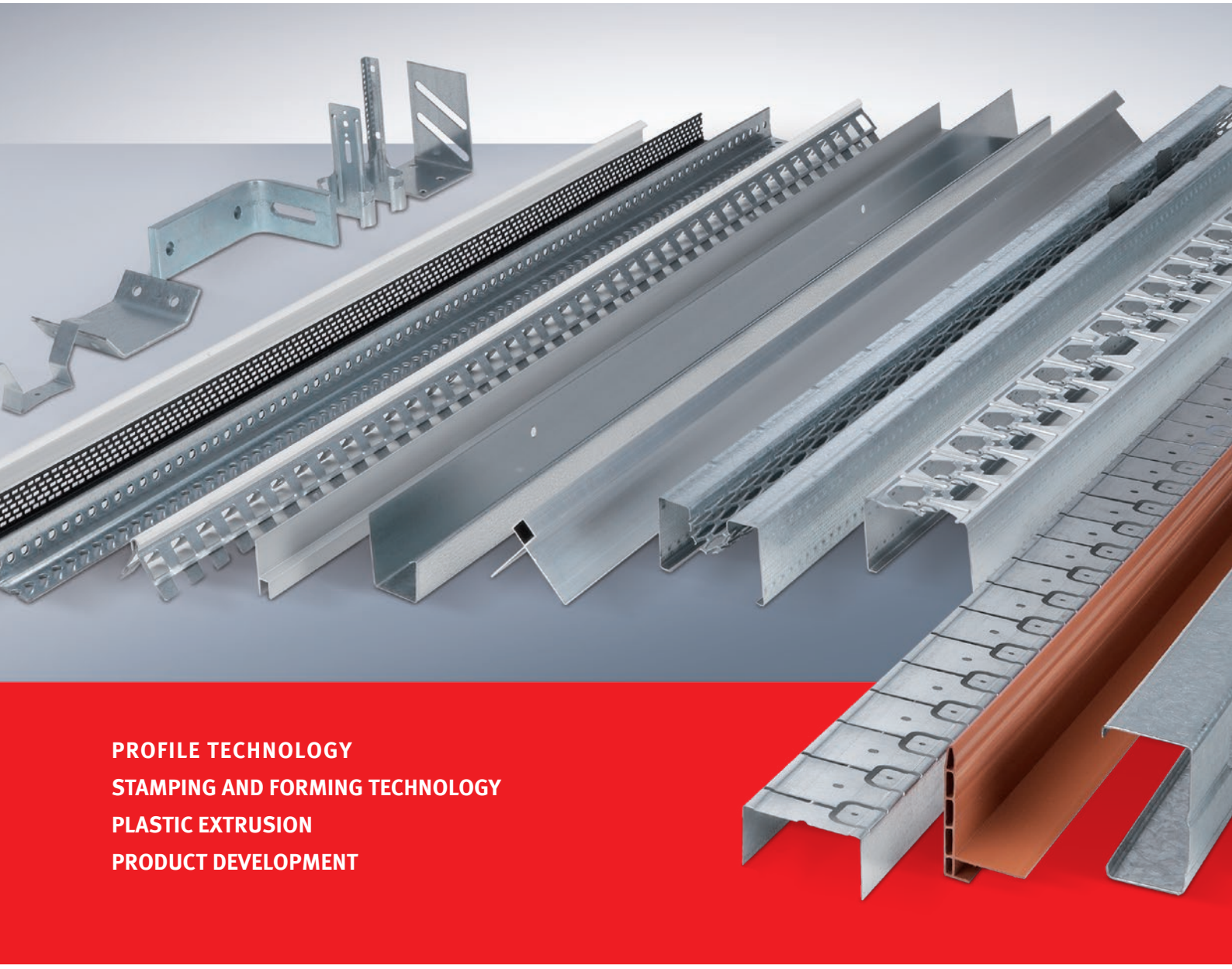
FROM IDEA TO SERIES

INDUSTRIAL MANUFACTURING SOLUTIONS FROM PROTEKTOR



PROFILE TECHNOLOGY

STAMPING AND FORMING TECHNOLOGY

PLASTIC EXTRUSION

PRODUCT DEVELOPMENT

PROTEKTOR®

YOUR PRODUCT.
OUR MANUFACTURING EXPERTISE.

PROTEKTOR develops and manufactures bespoke components and beads from metal and thermoplastics. Using roll forming, stamping and extrusion technology, we combine product development, tooling design, series production and bespoke logistics into a comprehensive solution.

For you, this means: fewer interfaces, production-ready solutions and cost-effective implementation on high-performance production lines.

EXPERTISE FROM A SINGLE SOURCE

- Consultancy and production-oriented product development
- Processing of various materials and geometries
- Process-integrated machining and assembly
- Customised packaging and labelling
- Reliable series production and materials management

IDEA

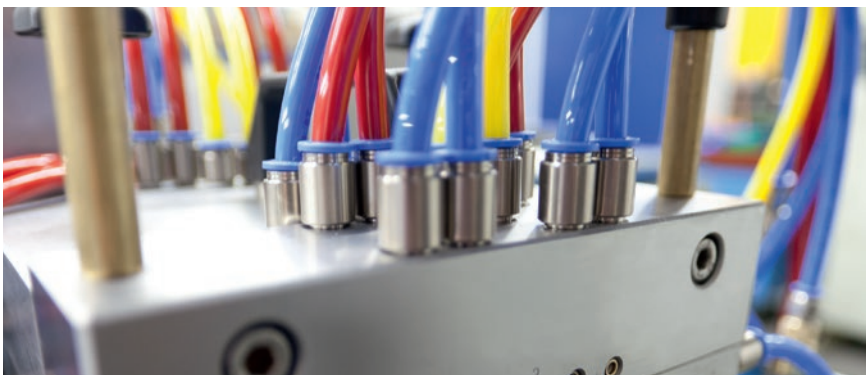
FEASIBILITY

TOOLS AND SAMPLES

PRODUCTION RUN

PACKAGING AND LOGISTICS





FROM THE IDEA TO THE SERIES COMPONENT.

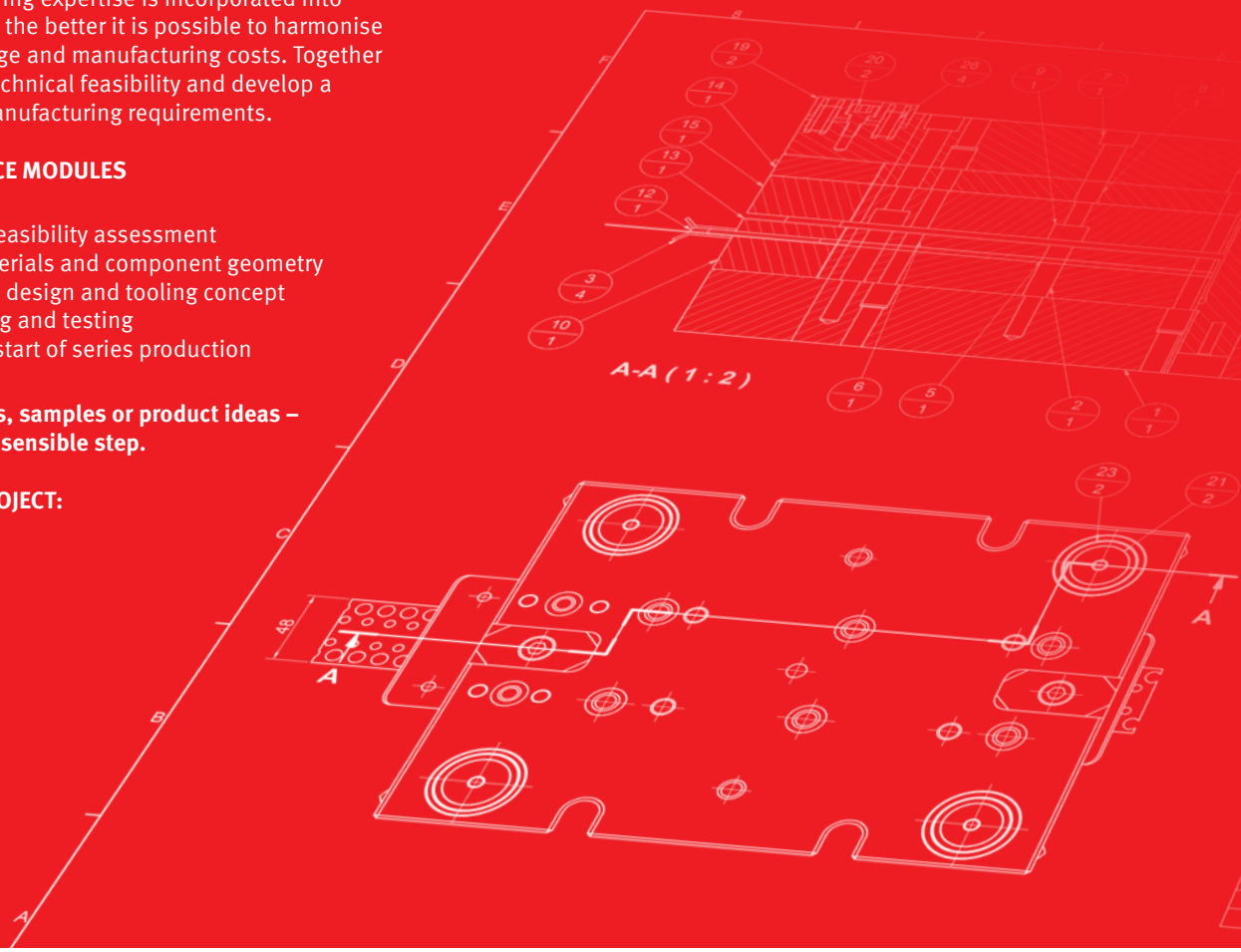
The earlier manufacturing expertise is incorporated into product development, the better it is possible to harmonise function, material usage and manufacturing costs. Together with you, we assess technical feasibility and develop a solution tailored to manufacturing requirements.

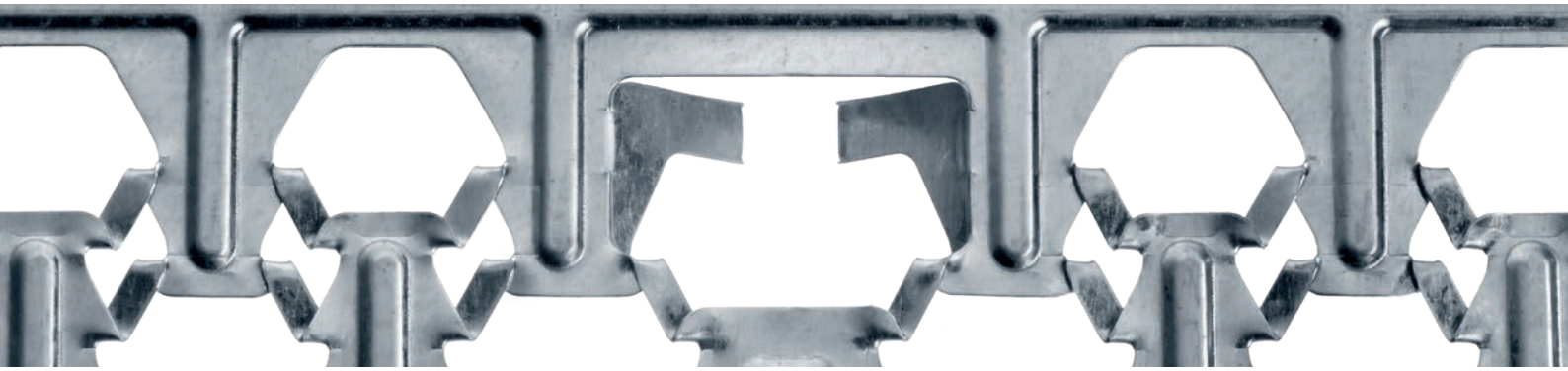
OUR POSSIBLE SERVICE MODULES

- Requirements and feasibility assessment
- Coordination of materials and component geometry
- Production-oriented design and tooling concept
- Prototypes, sampling and testing
- Support during the start of series production

Send us your drawings, samples or product ideas – we'll discuss the next sensible step.

ENQUIRY ABOUT A PROJECT:





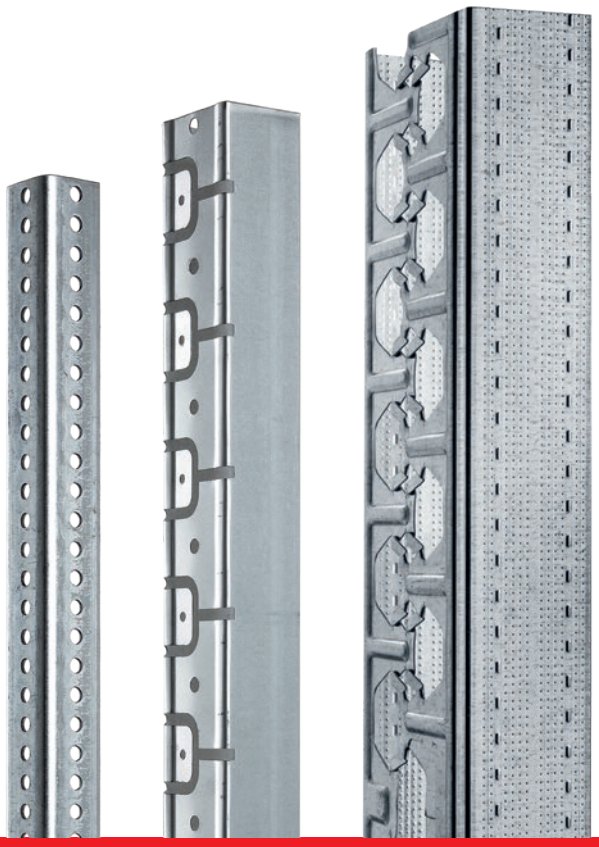


PROFILE TECHNOLOGY THAT IS TAILORED TO YOUR PRODUCT

Using state-of-the-art roll-forming lines, we manufacture bespoke beads with a variety of geometries, materials and surface finishes. Depending on the component, embossing, punching, stamping, folding and joining can be integrated directly into the manufacturing process.

This results in functional beads with high repeatability and economical use of materials.

MATERIALS
Stainless steel | Cold-rolled strip | Galvanised or painted strip steel | Spring steel strip | Aluminium, including painted | Other materials available on request



Performance in figures

Max. material width	500 mm
Material thickness	0.3 – 4.0 mm
Max. profile length	13,000 mm
Dimensional accuracy	in accordance with EN 10162
Profile length accuracy	in accordance with EN 10162



CUSTOMISED DOWN TO THE LAST DETAIL

We tailor the geometry, surface finish and application to the requirements of your component. This results in beads which effectively combine function, manufacturability and cost-effective use of materials.



STAMPING AND FORMING TECHNOLOGY FOR SERIAL-PRODUCTION PARTS

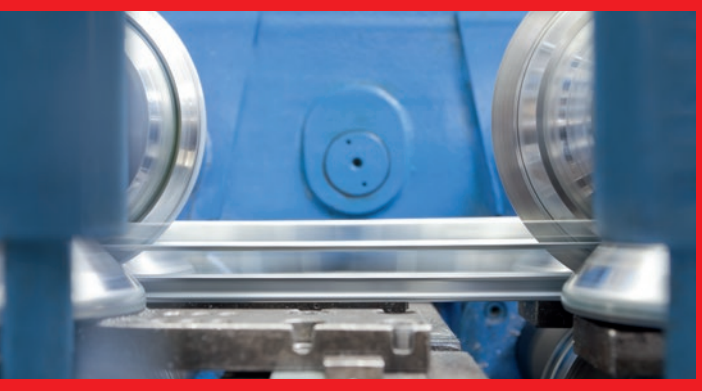
Using high-performance CNC punching and forming machines, we manufacture components from various metallic materials. Die-cutting, punching, notching, embossing and folding can be combined to form cost-effective manufacturing processes.

Depending on the product, we integrate further machining or assembly steps directly into the process. This reduces interfaces and ensures consistent quality in mass production.



Performance in figures

Max. material width	300 mm
Material thickness	0.3 – 5.0 mm
Max. pressing force	125 t
Max. speed	300 strokes/min.



ADDED VALUE THROUGH PROCESS INTEGRATION

Depending on the component, operations such as punching, die-cutting, notching, embossing or folding can be integrated directly into the manufacturing process. Downstream machining and assembly steps can also be combined to form a coordinated manufacturing solution. This reduces interfaces and additional process steps.



CUSTOM-MADE PLASTIC EXTRUSION

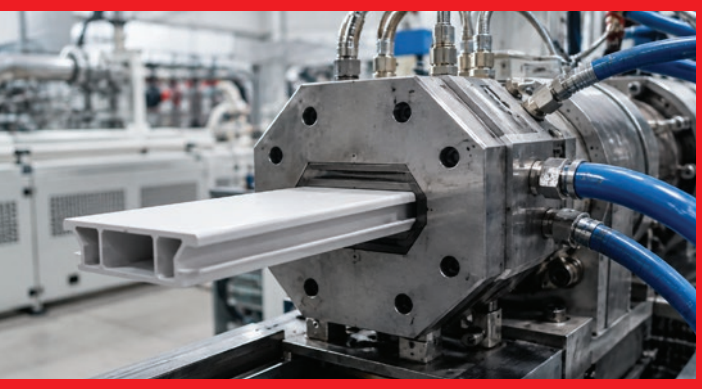
Protektor develops and manufactures plastic profiles for a variety of applications. From the initial product concept through design and toolmaking to extrusion and finishing, you receive a coordinated process from a single source.

Extrusion and co-extrusion enable a wide range of cross-sections, hollow-chamber geometries and combinations of different materials and colours within the technically approved parameters.



Performance in figures

Extrusion processes	Extrusion and co-extrusion
Cross-sections	4x5 mm to 200x200 mm, with and without hollow chambers
Weights	18 g/m – 3 kg/m
Finishing	Possible during the production process



FROM EXTRUSION THROUGH TO FABRICATION

Depending on requirements, plastic profiles can be fabricated and further processed right within the production process. We tailor the geometry, material combination and colour to the specific application on a project-by-project basis. This results in a seamless solution, from the extruded bead to a finished product ready for use.



QUALITY AND LOGISTICS – TAILORED TO YOUR PROCESS

A good production solution does not end with the machine. We tailor packaging, labelling and dispatch to your requirements.

Depending on the product, small bundles with PP strapping, mesh crates, cardboard boxes, as well as customised labels and barcodes are available.

FOCUS ON QUALITY
Defined test criteria and tailored quality controls accompany the manufacturing process. The scope of testing and documentation are determined on a project-by-project basis to ensure consistent quality in the range.





LOGISTICS TAILORED TO YOUR PROCESS

An end-to-end manufacturing solution does not stop at the machine. Material handling, packaging and labelling are also tailored to your requirements, ensuring the smoothest possible workflow right through to handover.

INDUSTRIAL CLIENTS / PROJECT ENQUIRIES

LET'S TALK ABOUT YOUR COMPONENT.

Do you have a drawing, a sample or a product idea?
Get in touch with us to discuss the material, geometry, quantity and your desired further processing.

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