

## "Series production in quality and quantity right to the point."

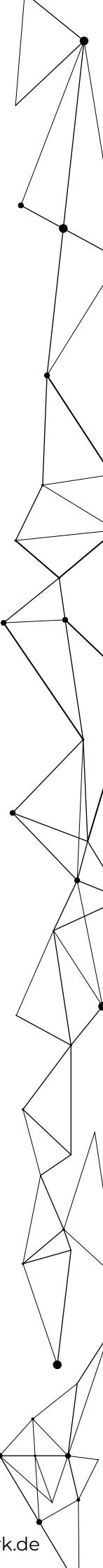
With a modern machine park, qualified employees and our competence, we stand for the all- round service concept, also and especially for complex requirements.

Whether fibre composite or hybrid components, whether extrusion or pultrusion profiles, whether self-adhesive profiles, profiles with fabric, glass fibre or metal inserts,

The Kunststoffnetzwerk Rheinland- Pfalz has bundled expertise in the following areas in numerous manufacturing processes.

Together with innovative manufacturing technologies, we are your full-service provider for plastic parts.

Contact us!



## Available production technologies:

### Acrylic glass processing

Displays, embeddings (single pieces, series)

<http://www.kunststoffberatung.de>

### Flocking

of plastic, wood, metal, cardboard, etc.

<http://www.kunststoffberatung.de>

### Blow moulding

Extrusion blow moulding, injection blow moulding, suction blow moulding; air ducts, technical hollow bodies, clamping surface max. 1,300 x 1,500 mm capacity, plastic fuel tanks, play and sports equipment, seating furniture etc.

<http://www.kunststoffberatung.de>

### Co-extrusion process

Profiles made of thermoplastics such as PVC, ABS, ASA, PS, PP, PE, PC/ABS and other different blends on request.

- Custom-made products
- From 20 g up to 3000 g per meter
- Different colours and thermoplastics
- Hard soft combinations in co-extrusion Profiles with fabric, glass fibre or metal inlay

<http://www.sls-kunststoffprofile.de>

### Extrusion

Profiles made of thermoplastics such as PVC, ABS, ASA, PS, PP, PE, PC/ABS -as well as other various blends on request

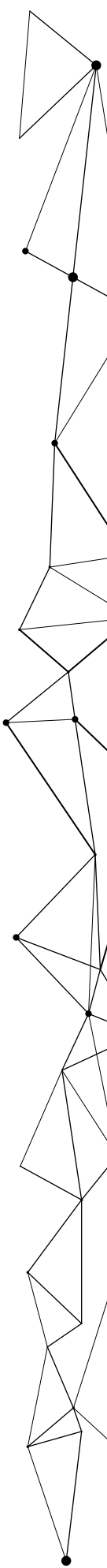
- Custom-made products
- From 20 g up to 3000 g per meter
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### Fibre-reinforced plastic profiles

Production of glass-fibre reinforced plastic profiles (GRP) and natural fibre reinforced plastic profiles (NRP) by extrusion to improve the technical properties of standard thermoplastics.

<http://www.sls-kunststoffprofile.de>



### **Fibre winding process**

CNC controlled fiber winding of semi-finished products and components made of carbon fibers, glass fibers, aramid fibers, ceramic fibers and basalt fibers in combination with duromers or thermoplastics.

<http://www.circomp.de/technologie.html>

### **Milling / bending techniques**

For housings made of sheet material without tools

<http://www.kunststoffberatung.de>

### **Hand-laying and injection methods**

Hand lamination and RTM (resin transfer moulding) process with composite materials such as glass, carbon and aramid fibres, as well as with all available resins as matrix; fiber spraying; if necessary post-processing on 5-axis CNC milling machines.

<http://www.circomp.de/technologie.html>

### **Resin injection process**

Components made from composite materials using the resin injection process, such as glass, carbon and aramid fibres, as well as with all available resins as matrix;

<http://www.circomp.de/technologie.html>

### **Long fibre reinforced thermoplastics LFT**

Production of LFTs according to demand, quality and time.

<http://www.easicomp.de>

### **Metal replacement**

Fiber-reinforced thermoplastics and other materials in combination with continuously fiber-reinforced inserts offer cost-effective and weight-reduced solutions. [http://](http://www.circomp.de/technologie.html)

[www.circomp.de/technologie.html](http://www.circomp.de/technologie.html)

### **Mixing & Dosing**

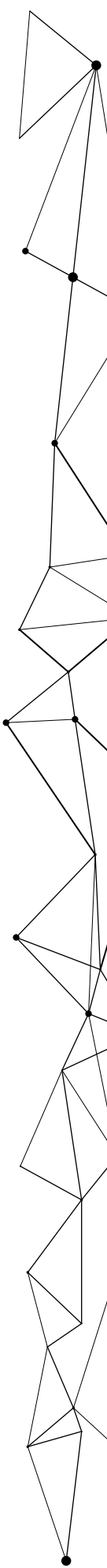
Bonding, casting, sealing foams with polyurethane, silicone and various resins, as well as processing of technical ceramics with temperature resistance up to 1,000 °C

<http://www.kunststoffberatung.de>

### **Surface refinements**

Design coatings, metallizations, mirror coatings, industrial coatings

<http://www.kunststoffberatung.de>



### **PostCo extrusion process**

Profiles made of thermoplastics such as PVC, ABS, ASA, PS, PP, PE, PC/ABS and other different blends on request.

- custom-made products
- from 20 g up to 3000 g per meter
- different colours and thermoplastics
- Hard soft combinations in co-extrusion
- Profiles with fabric, glass fibre or metal inlay

<http://www.sls-kunststoffprofile.de>

### **Pultrusion**

Continuously fibre-reinforced thermoplastic tapes and profiles produced by pultrusion process from carbon fibres, glass fibres or aramid fibres in combination with PPS, PVDF, PA, PET, ABS, PP, PE, etc.

<http://www.profilecomp.de>

### **Presses**

SMC, PiMC and GMT moulded parts

<http://www.kunststoffberatung.de>

### **Rotational moulds**

Hollow bodies and moulded parts up to 40,000 litres made of PE, PP, PA, PVC; also double-walled with PE or PU foaming

<http://www.kunststoffberatung.de>

### **Recycling products**

Made of 100% recycled plastic

<http://www.kunststoffberatung.de>

### **Foaming/Casting**

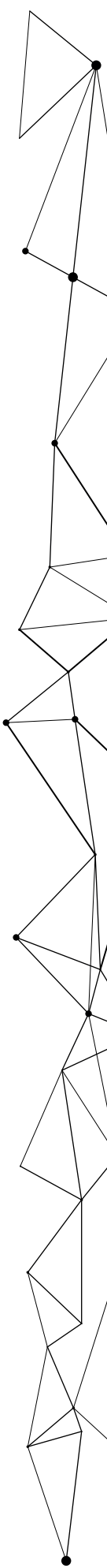
PU integral, -compact, -moulded foam, -RIM, -RRIM, -SRIM, NYRIM; LFI moulded parts; PU- CSM (polyurethane composite spray moulding); PU crystal clear (20 g to 4 kg piece weight); PDCPD (TELENE, METTON); EPS, EPE, EPP.

<http://www.kunststoffberatung.de>

### **Welding, winding**

Apparatus, tanks up to 250,000 litres made of PE, PP, PVC, PVDF, GFK [http://](http://www.kunststoffberatung.de)

[www.kunststoffberatung.de](http://www.kunststoffberatung.de)



### **Injection moulding**

All thermoplastics and thermosets, as well as PVC, TPE, TPU, WPC (Wood-Plastic-Composites), 2K, Hart-Soft, GID, WID, TSG, MuCell, on machines up to 54,000 kN clamping force; unit weights up to 35 kg. Precision ceramic injection moulding; metal powder injection moulding (MIM)

<http://www.ks-kunststoff.de>

### **Immersion Process**

Articles made of latex and soft PVC; bellows

<http://www.kunststoffberatung.de>

### **Thermoforming, deep drawing**

Large formats up to 4,500 x 2,000 x 1,000 mm with CNC post-processing

<http://www.kunststoffberatung.de>

### **Twin sheet moulds**

Clamping dimensions up to 1,250 x 2,000 mm

<http://www.kunststoffberatung.de>

### **Overmoulding**

Thermoplastic encapsulation of continuously fibre-reinforced inserts offers cost-effective and weight-reduced solutions as a metal replacement.

<http://www.circomp.de/technologie.html>

### **Cladding parts, insulating material**

Cladding parts and sound absorbers as soft foam embossed parts or self-supporting moulded parts; insulating materials made of various materials, e.g. bitumen and heavy foil, malamine resin foam, cellular rubber and various nonwovens, all also in self-adhesive design with different surface finishes.

<http://www.kunststoffberatung.de>

### **Honeycomb systems**

Made of aluminium and fibre composite plastics based on CFK and AFK

<http://www.kunststoffberatung.de>

