

# Up2-Tec Prototyping GbR

## About this organisation

### Machine translation

This organisation has been machine-translated based on data provided in German.

Up2-Tec offers services and in-house development of customer-oriented products, primarily in the fields of lightweight construction and fibre composite technology. In co-operation with the Aachen University of Applied Sciences, various technical institutes, service providers and producers, there is an extensive network for the application of innovative technologies.

Our engineers have a wide range of experience, from structural simulation and strength analyses to tool development and component manufacture. This makes it possible to fully utilise the process chain, for example in the development and manufacture of vehicle parts or in the provision of tools. Particularly in the areas of functional prototype development and production, the closed process chain offers potential savings and associated lower processing times and costs.

Hohenstaufenallee 6  
52072 Aachen  
North Rhine-Westphalia  
Germany

[www.up2tec.de](http://www.up2tec.de)

**Main areas covered** Toolmaking, Thermoset/thermoplastic composites, Component development, Component analysis, Prototype construction and small series

**Infrastructure** Composite machining and processing, Flexible consolidation techniques, CNC milling

**Certifications**

**Keywords**

**Memberships**



### Organisation type

Small or medium-sized enterprise

### Sectors



### Employees

Up to 9

### Turnover

Up to €2m

### Funding

n/a

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## Overview of lightweighting expertise

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	Research	Development	Manufacturing & Supply
<b>Offer</b>			
<b>Products</b> Parts and components, Semi-finished parts, Machines and plants, Tools and moulds		✓	✓
<b>Services &amp; consulting</b> Consulting, Testing and trials, Funding, Engineering, Prototyping, Simulation		✓	✓
<b>Field of technology</b>			
<b>Design &amp; layout</b> Lightweight manufacturing, Lightweight design		✓	✓
<b>Functional integration</b> Thermal activation	✓	✓	✓
<i>Measuring and testing technology</i>			
<b>Modelling and simulation</b> Loads & stress, Optimisation, Structural mechanics, Materials, Reliability validation		✓	✓
<b>Plant construction &amp; automation</b> Plant construction	✓	✓	✓
<b>Recycling technologies</b> Material separation, Recycling			✓

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	Research	Development	Manufacturing & Supply
<b>Manufacturing process</b>			
<i>Additive manufacturing</i>			
<i>Coating (surface engineering)</i>			
<b>Fibre composite technology</b> Manual lamination, Resin infusion process, Resin transfer moulding, Pre-preg processing, Vacuum infusion		✓	✓
<b>Forming</b> Compression moulding, Thermal converting, Deep-drawing	✓	✓	✓
<i>Joining</i>			
<i>Material property alteration</i>			
<i>Primary forming</i>			
<i>Processing and separating</i>			
<i>Textile technology</i>			

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	Research	Development	Manufacturing & Supply
<b>Material</b>			
<b>Biogenic materials</b> Bioplastics, Biocomposites, Wood		✓	✓
<b>Cellular materials (foam materials)</b> Closed-pore, Open-pore			✓
<b>Composites</b> Aramid fibre composites, Glass-fiber reinforced plastics (GFRP), Carbon-fiber reinforced plastics (CFRP), Natural fibre reinforced plastics (NFRP), Laminates		✓	✓
<b>Fibres</b> Aramid fibres, Glass fibres, Carbon fibres, Natural fibres	✓	✓	✓
<i>Functional materials</i>			
<b>Metals</b> Aluminium			✓
<b>Plastics</b> Thermoset plastics, Elastomers, Thermoplastics	✓	✓	✓
<i>Structural ceramics</i>			
<i>(Technical) textiles</i>			

## Contacts

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## Contacts

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