

About this organisation

Machine translation

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

The Grunewald group of companies forms a strategic alliance for toolmaking, model and mould construction and the development, design and production of metallic components, plastic components and fibre composite parts, from design, prototype construction and pre-series through to series production processes.

Grunewald produces thin-walled aluminium and iron castings, such as body and chassis parts as well as engine components using gravity and low-pressure sand casting. The focus is on both prototypes and small series with quantities of up to 3,000 parts per year. With the Pep Set moulding material system, both very precise accuracies and special surfaces can be achieved. Grunewald supports its customers from the initial idea through the moulding-ready design to series production. Dimensions of up to 1,800 mm \* 1500 mm \* 500 mm can be moulded.

Biemenhorster Weg 19  
46395 Bocholt  
North Rhine-Westphalia  
Germany  
[www.grunewald.de](http://www.grunewald.de)

**Main areas covered** Thin-walled structural cast iron, Toolmaking, Casting prototypes

Infrastructure

**Certifications** ISO 9001

**Keywords** CAD/CAE, Engineering, Automotive toolmaking, Toolmaking aviation, Cast products, Mechanical processing

Memberships



**Organisation type**  
Small or medium-sized enterprise

**Sectors**

**Employees**  
50 up to 249

**Turnover**  
n/a

**Funding**  
n/a

## Overview of lightweighting expertise

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|                                                                                       | Research | Development | Manufacturing<br>& Supply |
|---------------------------------------------------------------------------------------|----------|-------------|---------------------------|
| <b>Offer</b>                                                                          |          |             |                           |
| <b>Products</b><br>Parts and components, Machines and plants,<br>Tools and moulds     |          | ✓           | ✓                         |
| <b>Services &amp; consulting</b><br>Engineering, Prototyping, Validation, Simulation  |          | ✓           | ✓                         |
| <b>Field of technology</b>                                                            |          |             |                           |
| <b>Design &amp; layout</b><br>Hybrid structures, Lightweight construction<br>concepts |          | ✓           | ✓                         |
| <i>Functional integration</i>                                                         |          |             |                           |
| <b>Measuring and testing technology</b><br>Component and part analysis                |          |             | ✓                         |
| <b>Modelling and simulation</b><br>Optimisation, Processes, Materials                 |          | ✓           | ✓                         |
| <b>Plant construction &amp; automation</b><br>Plant construction                      |          | ✓           | ✓                         |
| <i>Recycling technologies</i>                                                         |          |             |                           |

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|                                                                                                        | Research | Development | Manufacturing<br>& Supply |
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| <b>Manufacturing process</b>                                                                           |          |             |                           |
| <i>Additive manufacturing</i>                                                                          |          |             |                           |
| <b>Coating (surface engineering)</b><br>Painting                                                       |          |             | ✓                         |
| <b>Fibre composite technology</b><br>Manual lamination, Pre-preg processing                            |          |             | ✓                         |
| <i>Forming</i>                                                                                         |          |             |                           |
| <b>Joining</b><br>Screwing, Welding                                                                    |          |             | ✓                         |
| <b>Material property alteration</b><br>Heat treatment                                                  |          | ✓           | ✓                         |
| <b>Primary forming</b><br>Casting                                                                      |          | ✓           | ✓                         |
| <b>Processing and separating</b><br>Drilling, Turning, Milling, Electrical discharge machining, Sawing |          |             | ✓                         |
| <i>Textile technology</i>                                                                              |          |             |                           |

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| <b>Material</b>                                                                                      |          |             |                           |
| <i>Biogenic materials</i>                                                                            |          |             |                           |
| <i>Cellular materials (foam materials)</i>                                                           |          |             |                           |
| <b>Composites</b><br>Glass-fiber reinforced plastics (GFRP), Carbon-fiber reinforced plastics (CFRP) |          |             | ✓                         |
| <i>Fibres</i>                                                                                        |          |             |                           |
| <i>Functional materials</i>                                                                          |          |             |                           |
| <b>Metals</b><br>Aluminium, Steel, Titanium                                                          |          |             | ✓                         |
| <i>Plastics</i>                                                                                      |          |             |                           |
| <i>Structural ceramics</i>                                                                           |          |             |                           |
| <i>(Technical) textiles</i>                                                                          |          |             |                           |

## Contacts

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Contacts

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