

Heck & Becker GmbH & Co. KG

About this organisation

Machine translation

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

The company Heck + Becker GmbH & Co. KG is one of the leading and most innovative developers and manufacturers of moulds and tools for the production of complex castings using the aluminium die casting process. The medium-sized family business has been active in the field of model and mould making for over 80 years.

The company offers a wide range of services: In addition to component and tool design and the production of die-casting tools, the focus is also on their sampling through to prototype production within 12 weeks, both of classic powertrain and large structural components. With the increasing electrification of car manufacturers' vehicle fleets, die-casting moulds have also been added in this area in recent years, e.g. for battery housings, power electronics or electric motors. With a fully automated casting cell and a clamping force of 3,200 tonnes, the integrated DTC offers the opportunity to sample tools, optimise the casting process before the start of series production and make the first cast parts available for further processing or as a small series. The DTC is therefore the centrepiece for testing the latest technologies and for process optimisation.

Gladenbacherstraße 47
35232 Dautphetal
Hesse
Germany
www.heck-becker.com

Main areas covered Die-cast prototypes, Mould making, Toolmaking, Pouring

Infrastructure

Certifications ISO 9001:2015

Keywords Prototyping, Die casting, Toolmaking, Mould making, CAD/CAM

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 & Supply
Offer			
Products Parts and components, Tools and moulds		✓	✓
Services & consulting Training, Consulting, Testing and trials, Engineering, Prototyping, Validation, Simulation, Technology transfer, Maintenance and repair		✓	✓
Field of technology			
Design & layout Lightweight manufacturing, Lightweight design, Lightweight construction concepts		✓	✓
<i>Functional integration</i>			
Measuring and testing technology Component and part analysis, Materials analysis, Destructive analysis, Non-destructive analysis			✓
Modelling and simulation Optimisation, Processes, Materials		✓	✓
<i>Plant construction & automation</i>			
<i>Recycling technologies</i>			

Overview of lightweighting expertise

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	Research	Development	Manufacturing & Supply
Manufacturing process			
<i>Additive manufacturing</i>			
<i>Coating (surface engineering)</i>			
<i>Fibre composite technology</i>			
<i>Forming</i>			
Joining Screwing, Welding			✓
Material property alteration Heat treatment			✓
Primary forming Casting			✓
Processing and separating Drilling, Turning, Milling, Electrical discharge machining, Honing, Sawing, Grinding, Cutting			✓
<i>Textile technology</i>			

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Overview of lightweighting expertise

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	Research	Development	Manufacturing & Supply
Material			
<i>Biogenic materials</i>			
<i>Cellular materials (foam materials)</i>			
<i>Composites</i>			
<i>Fibres</i>			
<i>Functional materials</i>			
Metals			✓
Aluminium, Steel			
<i>Plastics</i>			
<i>Structural ceramics</i>			
<i>(Technical) textiles</i>			

Contacts

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Contacts

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