

RWP. Gesellschaft beratender Ingenieure für Berechnung und rechnergestützte Simulation m.b.H.

RWP WinCast, engineers and engineering software for the simulation of casting processes and components

About this organisation

RWP is the foundry engineering company founded around 40 years ago that provides the industry with the powerful WinCast software package. As the world's first commercial distributor of software for casting process simulation, RWP provides foundries with licenses for the WinCast tool as well as solutions for technology design, technology development, innovation and quality assurance.

RWP is an R&D partner in numerous successful lightweight construction R&D projects. For example, IDEA has led to the use of Mg in passenger aviation. CoolCast developed the direct integration of Al hollow profiles in die casting, taking into account the entire process chain. TASim, a measuring device was developed for the production-related determination of casting-relevant material properties of non-ferrous metal melts for numerical simulation.

Bundesstraße 77
52159 Roetgen
North Rhine-Westphalia
Germany
www.rwp-group.de



Organisation type

Small or medium-sized enterprise

Sectors



Others: Ur- und Umform Industrie

Employees

10 up to 49

Turnover

Up to €2m

Funding

Main areas covered

WinCast software for casting process simulation, Foundry engineer service, Calculations, simulation, Component/product/process development

Infrastructure

Certifications

Keywords

Memberships

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Overview of lightweighting expertise			
	Research	Development	Manufacturing & Supply
Offer			
<i>Products</i>			
Services & consulting			
Training, Consulting, Prototyping, Validation, Simulation, Technology transfer	✓	✓	✓
Field of technology			
Design & layout			
Lightweight manufacturing, Lightweight design, Hybrid structures, Lightweight construction concepts, Lightweight material construction	✓	✓	✓
<i>Functional integration</i>			
<i>Measuring and testing technology</i>			
Modelling and simulation			
Loads & stress, Life-cycle analysis, Multiphysics simulation, Optimisation, Processes, Materials	✓	✓	✓
<i>Plant construction & automation</i>			
<i>Recycling technologies</i>			

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Overview of lightweighting expertise

	Research	Development	Manufacturing & Supply
Manufacturing process			
<i>Additive manufacturing</i>			
<i>Coating (surface engineering)</i>			
<i>Fibre composite technology</i>			
<i>Forming</i>			
<i>Joining</i>			
<i>Material property alteration</i>			
Primary forming			
Casting	✓	✓	✓
<i>Processing and separating</i>			
<i>Textile technology</i>			
Material			
<i>Biogenic materials</i>			
<i>Cellular materials (foam materials)</i>			
<i>Composites</i>			
<i>Fibres</i>			
<i>Functional materials</i>			
Metals			
Aluminium, Intermetallic alloys, Magnesium, Steel	✓	✓	✓
<i>Plastics</i>			
<i>Structural ceramics</i>			
<i>(Technical) textiles</i>			

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Contacts

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