

## About this organisation

### Machine translation

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

KNIERIM Tooling supplies master models, production moulds, tools and components for numerous applications, such as yacht building, the manufacture of rotor blades for wind turbines, components for aircraft, ships and submarines, containers for agriculture as well as architectural models and art objects - precisely according to the customer's requirements.

Master models, moulds, tools and components are made from various core materials and a laminate of glass fibre or carbon fibre-reinforced plastic using the hand lay-up process, vacuum infusion technology or prepreps, i.e. pre-impregnated carbon. This process ensures an optimum ratio of resin and fibres and thus guarantees minimum weight with the highest possible strength. Three 5-axis milling machines with dimensions of up to 34 x 8.5 x 4 metres guarantee short processing times even for complex projects, flexibility with regard to customer requirements and reliable delivery times. KNIERIM has always spent a lot of time finding the best possible materials and technologies to constantly improve the quality of its products. Today, KNIERIM's hallmarks are maximum load-bearing capacity at low weight, design accuracy to a tenth of a millimetre for all types of free-form surfaces and an exceptional finish.

Uferstrasse 100  
24106 Kiel  
Schleswig-Holstein  
Germany  
[www.knierim-tooling.com](http://www.knierim-tooling.com)



### Organisation type

Small or medium-sized enterprise

### Sectors



### Employees

10 up to 49

### Turnover

n/a

### Funding

n/a

# Knierim Tooling GmbH

## About this organisation

<b>Main areas covered</b>	Original models, Direct negative moulds, Components in lightweight construction, Heated production moulds, Prototypes
<b>Infrastructure</b>	3 five-axis milling machines up to 34x8.5x4 m, CAD software, Tempering ovens up to 30x7x4.5 m up to 100°C
<b>Certifications</b>	ISO 9001, GL operating licence
<b>Keywords</b>	
<b>Memberships</b>	

## Overview of lightweighting expertise

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	Research	Development	Manufacturing & Supply
<b>Offer</b>			
<b>Products</b> Parts and components, Tools and moulds, Others: null		✓	✓
<b>Services &amp; consulting</b> Consulting, Engineering	✓	✓	✓
<b>Field of technology</b>			
<i>Design &amp; layout</i>			
<i>Functional integration</i>			
<i>Measuring and testing technology</i>			
<i>Modelling and simulation</i>			
<i>Plant construction &amp; factory automation</i>			
<i>Recycling technologies</i>			

## Overview of lightweighting expertise

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	Research	Development	Manufacturing & Supply
<b>Manufacturing process</b>			
<i>Additive manufacturing</i>			
<b>Coating (surface engineering)</b> Painting			✓
<b>Fibre composite technology</b> Manual lamination, Resin infusion process, Pre-preg processing, Vacuum infusion		✓	✓
<i>Forming</i>			
<b>Joining</b> Adhesive bonding, Screwing			✓
<i>Material property alteration</i>			
<i>Primary forming</i>			
<b>Processing and separating</b> Drilling, Milling, Sawing, Grinding			✓
<i>Textile technology</i>			

Overview of lightweighting expertise

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	Research	Development	Manufacturing & Supply
Material			
Biogenic materials			
Cellular materials (foam materials)			
Composites			
Fibres			
Functional materials			
Metals			
Plastics			
Structural ceramics			
(Technical) textiles			

Contacts

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