

## About this organisation

### Machine translation

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

Röder Präzision - founded in 1922 - is one of the most important maintenance companies in the German aviation industry with its locations at Egelsbach airfield and in Stuhr and its more than 200 employees.

Development, manufacture and repair of structural components in composite and metal construction for civil and military aerospace applications. Integration of heating elements for icing protection. Application of wet laminate, prepreg/autoclave processes and RTM processes. Mobile repair processes for composite components.

Am Flugplatz  
63329 Egelsbach  
Hesse  
Germany  
[www.roeder.aero](http://www.roeder.aero)



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

**Sectors**  


**Employees**  
50 up to 249

**Turnover**  
€10m - €50m

**Funding**  
n/a



<b>Main areas covered</b>	Production & repair FKV, Inst. structural components metal, Anti-icing protection electr. & pneum., Engineering services
<b>Infrastructure</b>	NDT, Mechanical test benches, Thermographic inspection (FLIR)
<b>Certifications</b>	DIN EN 9100:2018, EASA / FAA Part 145, EASA Part 21 J (Design), EASA Part 21 G (Production), LufABW - LTB - 041 - 16
<b>Keywords</b>	Carbon, Fibre, Plastic, Composite, GRP, CFRP, SFRP
<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		✓	✓
<b>Services &amp; consulting</b> Engineering, Prototyping, Validation, Maintenance and repair			✓
<b>Field of technology</b>			
<i>Design &amp; layout</i>			
<i>Functional integration</i>			
<b>Measuring and testing technology</b> Component and part analysis, Destructive analysis, Non-destructive analysis, Others (NDT (magnetic particle MT, dye penetration PT, nitro etching NT, ultrasound UT, eddy current ET, visual inspection VT), high-speed infrared thermography system FLIR,)			✓
<i>Modelling and simulation</i>			
<i>Plant construction &amp; 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> Galvanising, Painting, Others (Spray-Mat Thermal metal spraying process, mechanical surface pre-treatment Blasting (aluminium oxide, glass beads, steel beads, sand, kischkern, plastic))			✓
<b>Fibre composite technology</b> Manual lamination, Resin infusion process, Resin transfer moulding, Pre-preg processing, Vacuum infusion			✓
<i>Forming</i>			
<b>Joining</b> Adhesive bonding, Soldering, Riveting, Screwing, Welding			✓
<i>Material property alteration</i>			
<i>Primary forming</i>			
<b>Processing and separating</b> Drilling, Turning, Milling, Sawing, Grinding, Cutting, Others (Riveting, plasma cutting, 4-axis CNC milling machine for composites, pressing (hot press))			✓
<i>Textile technology</i>			

## Overview of lightweighting expertise

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	Research	Development	Manufacturing & Supply
<b>Material</b>			
<i>Biogenic materials</i>			
<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), Laminates, Others (Sandwich structures incl. inserts, reinforcements, etc.)			✓
<b>Fibres</b> Aramid fibres, Glass fibres, Carbon fibres			✓
<i>Functional materials</i>			
<b>Metals</b> Aluminium			✓
<b>Plastics</b> Thermoset plastics			✓
<i>Structural ceramics</i>			
<i>(Technical) textiles</i>			

## Contacts

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Contacts

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