

LAU GmbH & Co. KG

Hemp - materials" range

About this organisation

Machine translation

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

Lau GmbH & Co. KG is an agricultural business in Central Saxony that has been growing industrial hemp since 2018 in addition to the traditional cash crops of wheat and maize and sugar beet.

Through partnerships with regional research institutions in Dresden, Chemnitz and Rudolstadt and with the Fraunhofer Institute IAP in Wildau, targeted developments have been carried out in recent years on innovative harvesting technologies and the machinery and equipment required for the harvesting, provision and initial processing of hemp straw, both for the material use of selected plant parts for various lightweight construction applications with different biogenic matrix systems and for textile applications in the form of spinnable native fibres or regenerated fibres (Lyohemp).

An der Schnauder 22
04741 Roßwein, OT Littdorf
Saxony
Germany
www.farmhus.de

LAU GmbH & Co. KG

Organisation type

Small or medium-sized enterprise

Sectors

No specific sector

Employees

Up to 9

Turnover

Up to €2m

Funding

n/a

Main areas covered	Cultivation and harvesting of hemp, Processing into fibres + bast bark, Processing into hemp straw powder
Infrastructure	Specialised hemp harvesters, Machine line grinding to powder, Laboratory equipment for determining characteristic values
Certifications	2019 GLOBAL G.A.P. certification
Keywords	Components for bioplastics, Semi-finished products for lightweight materials
Memberships	ZIM Network Hemp Lyocell

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Overview of lightweighting expertise

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	Research	Development	Manufacturing & Supply
Offer			
<i>Products</i>			
Services & consulting Training, Consulting, Testing and trials, Technology transfer, Maintenance and repair	✓	✓	
Field of technology			
<i>Design & layout</i>			
<i>Functional integration</i>			
<i>Measuring and testing technology</i>			
<i>Modelling and simulation</i>			
<i>Plant construction & automation</i>			
<i>Recycling technologies</i>			
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>			
<i>Primary forming</i>			
<i>Processing and separating</i>			
Textile technology Fibre manufacturing			✓

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	Research	Development	Manufacturing & Supply
Material			
Biogenic materials Bioplastics, Biocomposites		✓	
<i>Cellular materials (foam materials)</i>			
<i>Composites</i>			
Fibres Natural fibres	✓	✓	
<i>Functional materials</i>			
<i>Metals</i>			
Plastics Thermoset plastics, Thermoplastics		✓	
<i>Structural ceramics</i>			
(Technical) textiles Laid webs, Others (Natural fibre door)		✓	

Contacts

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Contacts

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