

About this organisation

Machine translation

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

We have developed a unique technology platform consisting of marker materials and detection processes that can be used to directly mark products, authenticate them in a practical way and track them in a tamper-proof manner. From this, we have also developed the revolutionary Tracer-Based Sorting (TBS) sorting technology. This allows materials to be sorted highly efficiently and reliably into all desirable fractions.

With our technology, the highly complex materials of the lightweight components can be separated by type at the end of their life and thus reused. This saves a lot of resources. Furthermore, the identity of each individual object can be tracked using the parcel pattern.

St. Georgener Str. 19
79111 Freiburg
Baden-Württemberg
Germany
www.polysecure.eu



Organisation type

Small or medium-sized enterprise

Sectors

No specific sector

Employees

10 up to 49

Turnover

€2m - €10m

Funding



Main areas covered

Marking of materials, Authentication of products, Sorting by type

Infrastructure

Production of speciality chemicals, Electro-optical measurement technology

Certifications

ISO 9001

Keywords

Fluorescent marker, Authentication, Identification, Sorting

Memberships

Overview of lightweighting expertise

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	Research	Development	Manufacturing & Supply
Offer			
Products Parts and components, Software & databases	✓	✓	✓
Services & consulting Testing and trials, Engineering, Prototyping, Technology transfer	✓	✓	✓
Field of technology			
<i>Design & layout</i>			
<i>Functional integration</i>			
<i>Measuring and testing technology</i>			
<i>Modelling and simulation</i>			
Plant construction & automation Automation technology		✓	✓
Recycling technologies Material separation, Recycling, Upcycling	✓	✓	✓

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>			
<i>Joining</i>			
Material property alteration			
<i>Others (Fluorescent markers as additives)</i>	✓	✓	✓
<i>Primary forming</i>			
<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>			
<i>Metals</i>			
<i>Plastics</i>			
<i>Structural ceramics</i>			
<i>(Technical) textiles</i>			

Contacts

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