



# WORKFORCE TRAINING COURSES AT FRAUNHOFER IFAM

## MISSION STATEMENT

The mission of the Workforce Training and Technology Transfer department at Fraunhofer IFAM is to facilitate the effective use of adhesive bonding technology and fiber composite technology in accordance with the current state of the art, so maximizing technological opportunities.

Further information at [www.weiterbildung.ifam.fraunhofer.de/en](http://www.weiterbildung.ifam.fraunhofer.de/en)

## PARTNER

- Fraunhofer Lightweight Design Alliance (Darmstadt)
- Fraunhofer ICT (Pfinztal)
- Fraunhofer LBF (Darmstadt)
- Fraunhofer IWU (Chemnitz)
- Fraunhofer IWM (Freiburg)
- Fraunhofer IZFP (Saarbrücken)
- Fraunhofer IGCV (Augsburg)
- Fraunhofer IGP (Rostock)
- Fraunhofer IPT (Aachen)
- Fraunhofer WKI (Braunschweig)
- TU Hamburg (Hamburg)
- SLV Nord (Hamburg)
- Hochschule Ulm (Ulm)
- Innotech Marketing und Konfektion Rot GmbH (Rettigheim)
- Instytut Spawalnictwa (Poland)
- Lijmacademie (Benelux)
- Shanghai Yifa Bonding (China)
- Kiwa (Turkey)
- ChemQuest Group (USA)
- AESB (Japan)

**1994  
2006**

1994 - Establishment of the Training Center for Adhesive Bonding Technology, 2006 – Establishment of the Training Center for Fiber Composite Technology

**15**

Collaboration with the Fraunhofer Lightweight Design Alliance: Access to the expertise of 15 Fraunhofer institutes

**60+**

Participants from over 60 countries

**1**

The world's foremost organization for training courses in adhesive bonding technology and fiber composite technology

**100+**

Hundreds of industrial companies have booked training courses

**7**

Courses in 7 languages

**10 000+**

More than 10,000 participants have already successfully completed training courses

**5**

Training courses given on all 5 continents

## OUR TRAINING COURSES

### TRAINING CENTER FOR ADHESIVE BONDING TECHNOLOGY

Further information at:  
[www.bremen-bonding.com](http://www.bremen-bonding.com)

#### European Adhesive Bonder

**40 hours**

- Focus: The independent and effective manufacture of bonded joints

#### European Adhesive Specialist

**120 hours**

- Focus: Overview of adhesive bonding technology, preparing work instructions for adhesive bonding, supervision and monitoring of bonding processes, quality assurance

#### European Adhesive Engineer

**332 hours**

- Focus: Responsibility for bonding processes from the planning and development stages through to production and repair

#### Various **Refresher** courses and **special seminars**

- Focus: The refreshing of basic knowledge and acquisition of information about the latest developments in adhesive bonding technology

#### Various **in-company** courses

- Focus: In-company training courses; Some of the topics can be geared to relevant production issues

#### Bremen Bonding Days

- Seminar and accredited training in adhesive bonding technology

### TRAINING CENTER FOR FIBER COMPOSITE TECHNOLOGY

Further information at:  
[www.bremen-composites.com](http://www.bremen-composites.com)

#### Fiber Reinforced Plastic Manufacturer

**40 hours**

- Focus: The manufacture of high-quality FRP components

#### Fiber Reinforced Plastic Remanufacturer

**40 hours**

- Focus: High-quality processing and repair of FRP components

#### Fiber Reinforced Plastic Specialist

**120 hours**

- Focus: Supervision and monitoring of the manufacture, processing, and repair of high-quality FRP components

#### Composite Engineer

*Modular training course, 10 modules*  
**240 hours**

- Focus: The conception, implementation, and monitoring of production processes throughout the whole life cycle of an FRP component

#### **Refresher** courses and various **in-company / in-house** courses

- Focus: The refreshing of knowledge about fiber composites; Some of the topics in in-company courses can be geared to relevant production issues.

#### Bremen Fiber Composite Days

- Seminar and accredited training in fiber composite technology

## QUALITY FEATURES

- The latest research findings are immediately incorporated into the courses
- Acquisition of both theoretical and practical knowledge
- Training suitable for a wide range of industries including rail vehicle manufacture, the automotive industry, wind turbine manufacture, other means of transportation, and household appliances
- The training focuses on employees in production right through to decision-makers
- Modern, fully-equipped workplaces and test facilities for the course participants
- All trainers are technical experts with training in didactic methods
- Transfer of theoretical knowledge using specific case studies from the daily work tasks of participants
- Short distance to the courses: Hotels and restaurants very close to the training centers
- The training centers are internationally renowned
- The centers are accredited in accordance with DIN EN ISO/IEC 17024 for workforce training
- The courses meet the requirements for workforce training as laid down in DIN 2304 and DIN 6701
- The training centers are DIN EN ISO 9001 certified