

Developments, trends and networking in the sawmill industry!

Stuttgart Saw Conference

The Stuttgart Sawing Conference is the only event of its kind in Germany dedicated to the topic of sawing. The aim of the conference is to bring together developers and users of sawing technology. It is aimed at developers, specialists and managers who want to get an up-to-date overview of the current state of development. Experts will present the latest concepts and possible solutions in sawing and cutting technology. Enrich yourself with valuable knowledge and contacts at this conference!

Sawing working group

The working group is aimed at anyone who would like to become active in the field of cutting and sawing technology. We would like to promote the degree of innovation in sawing technology and networking within the industry. Are you an entrepreneur from the sawing industry or would you like to get to know it? Then you've come to the right place! If you would like to become part of the sawing working group, please contact us.



Contact us

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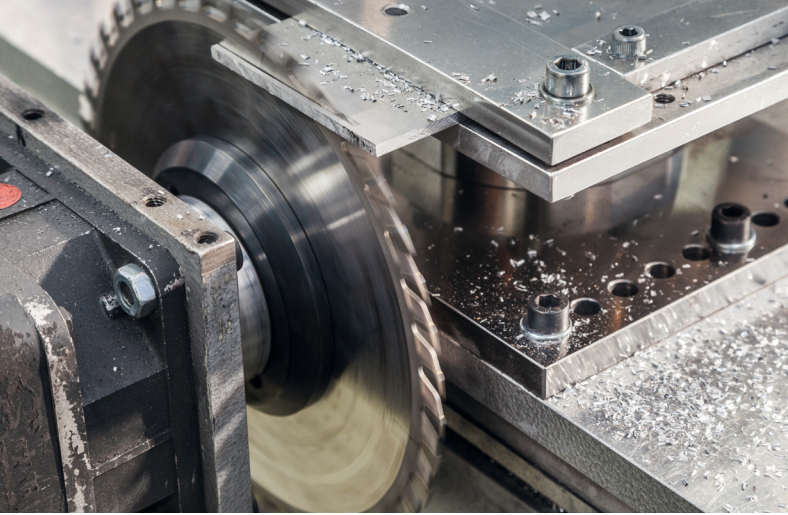
Sawing, Cutting and Joining
Technologies

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Your partner for
cutting and sawing
technologies



Cutting and sawing technologies play a central role in modern production, especially when processing a wide variety of materials. Special solutions are required for materials with thin walls or lightweight materials such as CFRP in order to ensure high dimensional accuracy and surface quality as well as safety.

At Fraunhofer IPA, we concentrate on organizational and technological tasks from production, which form the focus of our research and development. We develop, test and implement processes, components and devices – from individual components to complete machines and systems.

Stuttgart Competence Center Sawing (SKS)

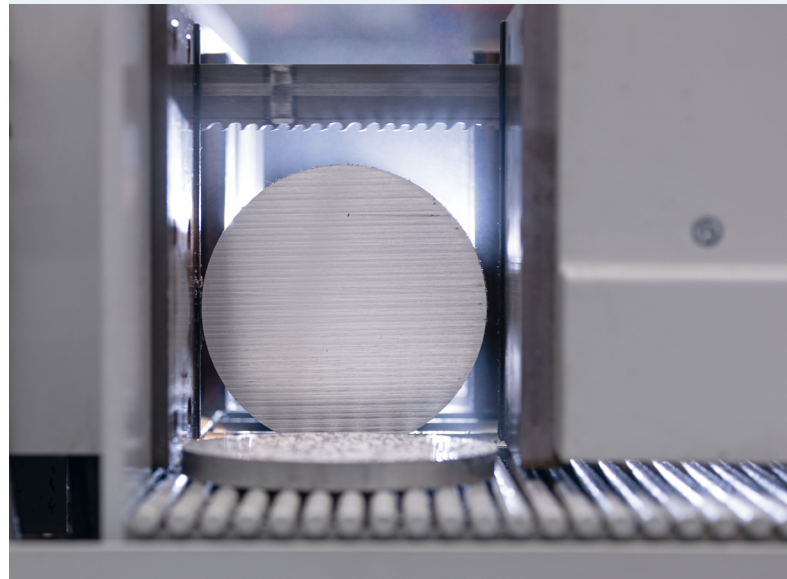
Together with the University of Stuttgart, we founded the Stuttgart Sawing Competence Center (SKS). This bundled know-how gives us an exceptional understanding of processes, which we make available to our partners. We support you in testing the latest technologies and together we push the boundaries of production technology.

Our expertise

- **Design of circular sawing tools:** Customized circular sawing tools for special materials are developed and tested in practice
- **Master sheet designs:** Execution of master sheet designs using FE calculations and empirical validation
- **Safety equipment:** Development of effective safety devices.
- **Peripheral development:** Development, optimization and validation of the associated peripheral, clamping and extraction systems.
- **Ultrasonic sawing:** Design of machines and tools specifically for ultrasonic sawing.
- **Special tools:** Design of special tools for processing coated, thin-walled and fibrous materials.
- **Combined machining processes:** Development of combined machining processes, such as one-shot sawing.
- **Process monitoring:** Development and testing of sensor-based systems for monitoring and optimizing the sawing process.

Our solutions

- **Individual process development:** Tailor-made solutions for specific requirements.
- **Technical advice:** Support with any tasks.
- **Feasibility studies:** Conducting feasibility studies for various processes.
- **Workshops and seminars:** Organization of practice-oriented workshops and seminars for further training.
- **Prototype development:** Development and testing of prototypes.
- **Energy optimization and production monitoring:** Optimization and monitoring of machining modules.
- **Innovative process technology:** Implementation of advanced process technologies such as ultrasonic sawing and laser structuring.
- **Tool measurement:** Precise measurement of tools.
- **Process optimization:** Simulative and empirical approaches for the continuous improvement of processes.
- **Special solutions:** Development of individual solutions for special requirements.



Find out more about
our solutions in detail!

