

# Production line for automated bamboo cane processing

## *Enabling Industries Through Customization*



### Motivation and Relevance

- Bamboo is a fast growing, light-weight, natural resource
- To use it in industrialized ways, automated production lines must be established
- By using AM, an individualized production is possible and adaptable for each bamboo cane

### Approach

- The complete process chain is covered:
  - 3D-Scanning and testing of the bamboo canes
  - Automated cutting and surface preparation
  - Production of individualized joining sleeves
  - Joining of the bamboo canes

### Results

- By using additive manufacturing, individual sleeves for each bamboo cane are produced
- The flexible sealing could be combined with a load bearing sleeve by AM

### Research Area

- Individualized production

### Partners



### Supported by



### Picture



### Contact



Alexander Schwarz  
a.schwarz@iwf-research.com  
www.iwf-research.com

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