

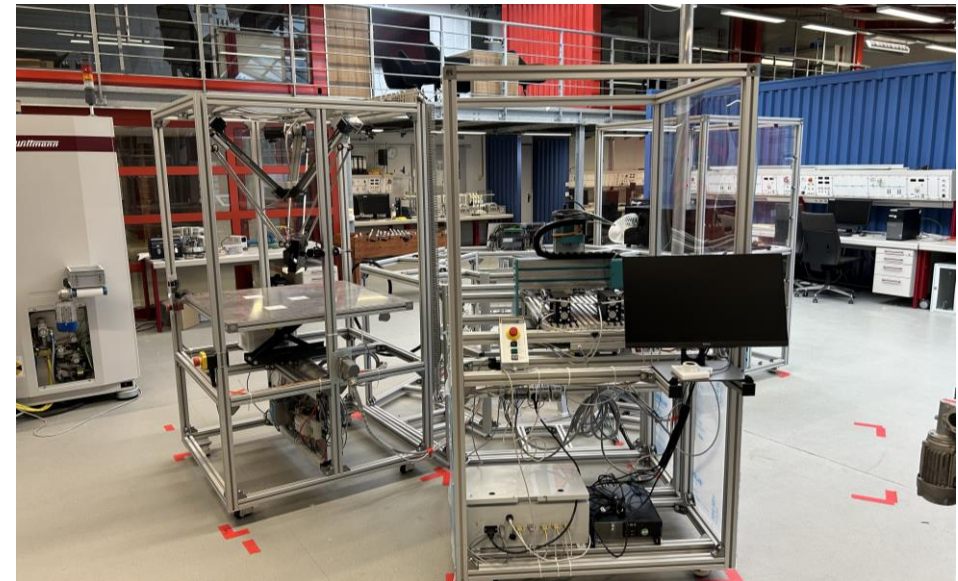
Digital Factory

Digital Factory



Digital Factory

- Production system for student projects and research and demonstration purposes
- Equipped with typical hardware from discrete, automated production (industrial robots, conveyor belts, PLCs)
- used for implementation and demonstration of Industry 4.0 technologies



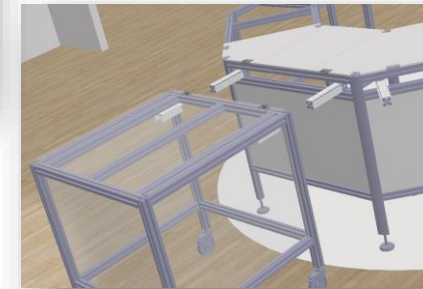
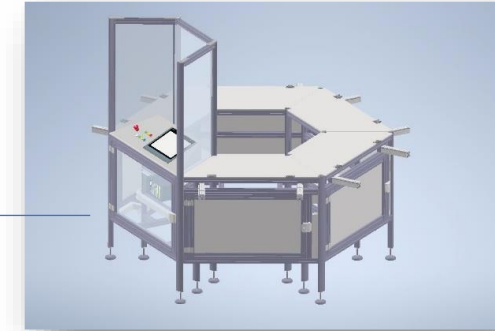
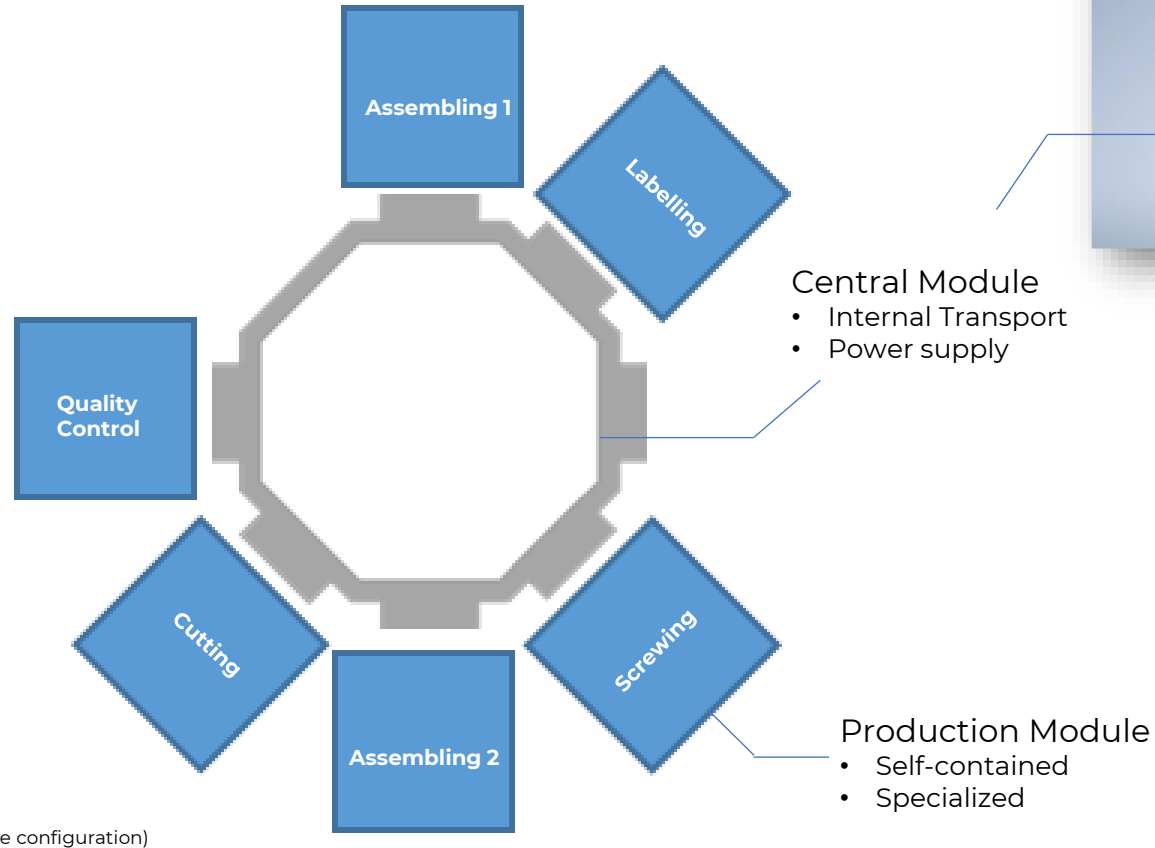
Vision for Digital Factory

- Demonstration
 - Demonstrate new technology to interested visitors from industry and politics
 - Showcase know-how of our institution
 - Create new chances for collaboration with external partners and external funding
- Education
 - Include Digital Factory in Bachelor and Master curricula
 - Practical experience in courses and semester projects
- Research
 - Test bed for implementation of new technology and concepts

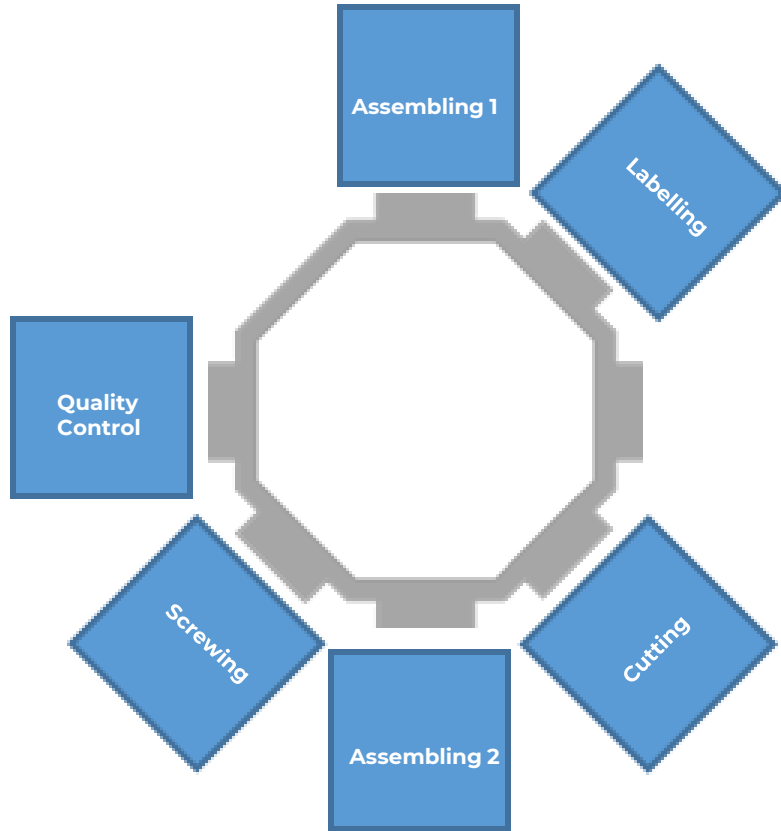
Digital Factory – Modular Re-Design

Capabilities

- „Plug&Produce“ reconfigurable production system
- Each module is a self-contained system offering production services
- Enables flexible production of individualized products



AAS module collaboration



Digital Factory

AAS modules collaborating using communication with I4.0 language

