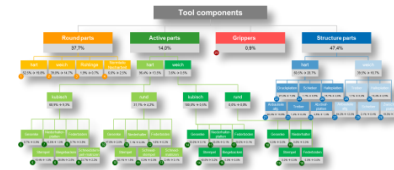


Manufacturing conception of the external tool shop of Gebhardt Werkzeug- und Maschinenbau



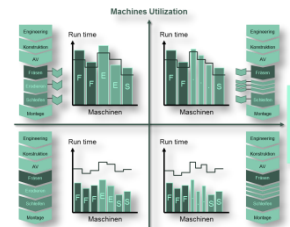
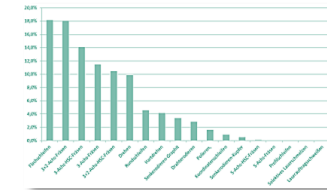
Approach

- Systematic collection of all machined work pieces including detailed characteristics over a certain period of time
- Analysis of the technological capabilities in terms of applied manufacturing technologies and used machines
- Evaluation and selection of suitable manufacturing technologies for future work pieces
- Development and assessment of possible future manufacturing concepts in consideration of technology variety and machine utilization
- Derivation of an investment roadmap for the selected concept including defined technologies and machines
- Specification of the required machines in terms of technological performance and automation equipment



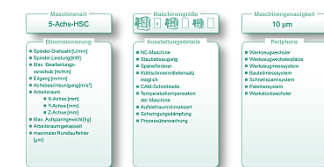
Work piece and capability analysis

Technology selection



Development of manufacturing concepts

Specification of the required machines



Results

- ▶ **Development of a future manufacturing concept including specified technologies and machines in order to be suited for the production needs in the long term**