Manufacturing and automation concept design of a modern tooling production of the future at igus

**Approach**

- Recording of the requirements of the work piece spectrum in tool design
- Creation of specification sheets for the machines to be procured based on the recorded requirements
- Market analysis and pre-selection of machines on the basis of the defined specifications
- Recording and evaluation of the requirements for the introduction of automation in tool manufacturing
- Development of an automation concept incl. determination of machines to be integrated, handling units, clamping systems as well as further peripherals and identification of possible suppliers

**Results**

- Detailed specification sheets based on the requirements of the work piece spectrum
- Preselection of commercially available machinery based on the specification sheets
- Assessed requirements for automation and derived automation concept