

Concept Development of a Modular Work Station for Employees with Impaired Abilities

- Design of work station layout and components suitable for employees with impaired abilities
- Universal design that can be used for any employee, independent of his/her individual physical impairment
- Working heights can be adjusted to individual needs (standing or sitting operation; 5th percentile female to 95th percentile male)
- Technical specification based on current standards and guidelines and including recommendations for state-of-the-art technologies
- Analysis of possible suppliers and cost estimation
- Simulation and analysis of an exemplary assembly process using the ema software

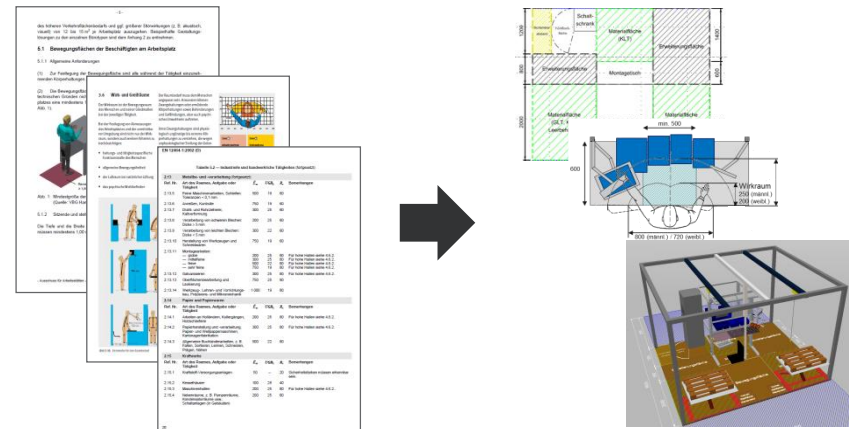


Fig.1: Concept design and technical specification based on current standards



Fig. 2: Implementation and simulation of an exemplary assembly process