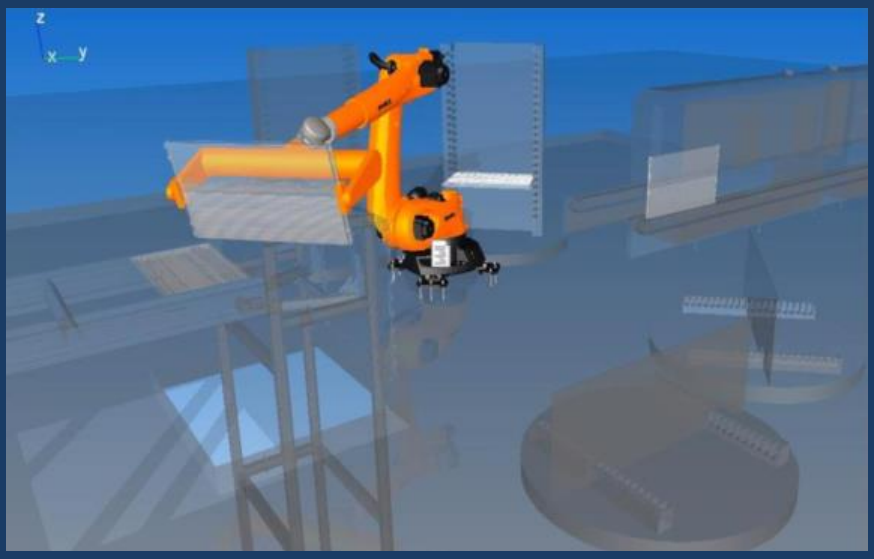
Robotic Arm End Tool

GEA is looking for automatic solutions that includes 6-axis robotic arms. In this project you will assist in the design and development of an end-tool. The End-Tool is designed for handling trays in a factory. The involves simulation of the robotic arm as well as manufacturing a small-scale version.



Design Criteria

- End Tool carries trays of ~20 kg.
- Temperature environment: -20° to +30°
- Sanitary design
- Safety Considerations around the robotic arm

Focus of the case

The case will be described for the chosen team, but includes the topics:

1. Design using Inventor and KUKA simulation software (CAD 3D)
2. Understand the Manufacturing
3. Business case

The above points are meant as an inspiration to further dialogue as we will work on a final project description in cooperation.

GEA Group is a global engineering company with over 18.000 employees.