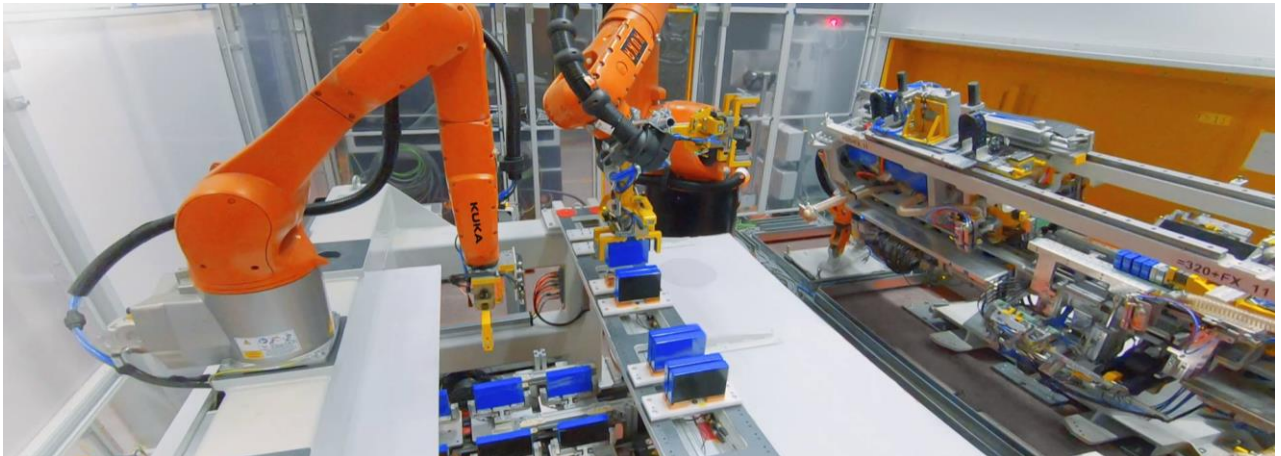


# Master thesis / Bachelor thesis / Project work

## *Development of a modular workshop table for the production of battery modules and systems*



Picture source kuka

### Initial situation:

Module and pack production in battery production is an important area along the value chain of the entire battery. To expand the cell production line at the PEM and to analyze the process optimization in relation to the entire product, a module and pack production is to be set up. This will involve the workshop table for several formats and semi-automated. The module and pack production is characterized by a high degree of pick and place and contacting steps with a large number of components to be assembled. This challenge is to be addressed within the framework of the development of the workshop table.

### Your task:

Within the scope of your final thesis, the overarching task is to design a concept for the tool table/bench for a semi-automated module and pack production. All process steps from the preparation and storage of materials at the workstation to the assembly of the battery system should be taken into account. The workstation should meet all the necessary requirements for process and product flexibility and transfer the prototype into a CAD drawing.

### Requirements:

- Degree in engineering, computer science (or comparable)
- Structured way of working
- Good knowledge of PowerPoint, Word and Excel

### Offered:

- Fast processing
- Delimited tasks and flexible processing
  - Professional supervision and insight into industry and practice
  - Independent implementation with consultation via Microsoft Teams

### Interested?

Please send a current transcript of grades as well as your CV and references to the e-mail address below.

### Your contact at the PEM:

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