



BACHELOR /MASTER THESIS+EXPERIENCE ABROAD

AUTOMATED DECONTACTING + SEPARATION OF BATTERY CELLS

MOTIVATION

With the expansion of electromobility, Europe is facing special challenges and opportunities that are currently shaping industry and research. In particular, the automated remanufacturing of battery cells offers great potential for greenhouse gas reduction and could contribute to an effective circular economy of lithium-ion batteries.

F&S BONDTEC in Braunau am Inn develops, manufactures, and sells equipment that can be used to contact cylindrical cells to battery packs. Together with FG HAMSTER, research is currently being conducted into processes and products for the remanufacturing of battery cells.

REQUIREMENTS

- Basics prototyping (digital or real)
- Basics programming
- First laboratory experience
- Independent way of working

TASKS

In the thesis, a novel process for decontacting and separating cylindrical cells from battery packs is to be further developed using an already existing plant technology. The work basically consists of the following tasks:

- Familiarization
- Further development
- Validation, if necessary, in Braunau am Inn

BOUNDARY CONDITIONS

- Start immediately
- Free accommodation by F&S BONDTEC in Braunau am Inn
- Study goal: Bachelor / Master
- Field of study: no restriction

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