

# PROGRAMMING FOR ROBOTS AND MANIPULATORS (VRM)

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## Project no. 1

### Title:

ABB RobotStudio with a name that describes a robotic solution (e.g., ABB Robotstudio - Sorting Machine).

### Detailed description:

The project focuses on controlling multiple robots using the simulation tool RobotStudio ABB. The robot on Table No.1 will communicate with another robot on Table No.2 using a conveyor belt. The main goal of the project will be to create a sorting production line. A more detailed description of the project will be discussed with the lecturer.

**Note 1:** It will be possible to create your own production line design, but in accordance with certain principles!

**Note 2:** It will be possible to create a team (max. 3 members), but with a reduction of the maximum score!

### Language:

Comments: Czech, Slovak, English (recommended)  
Variables, functions, and other.: English

### Form:

RobotStudio Pack & Go file (.rspag)

### Location:

GitHub

### Important Dates:

Assignment: 22.2.2021  
Deadline: 22.3.2021

### Maximum Score:

30 points



Figure 1: Project no. 1



Figure 2: Project no. 1