

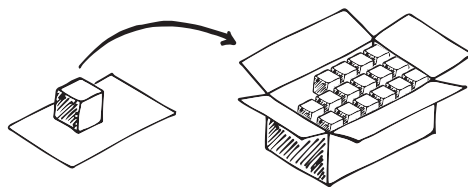
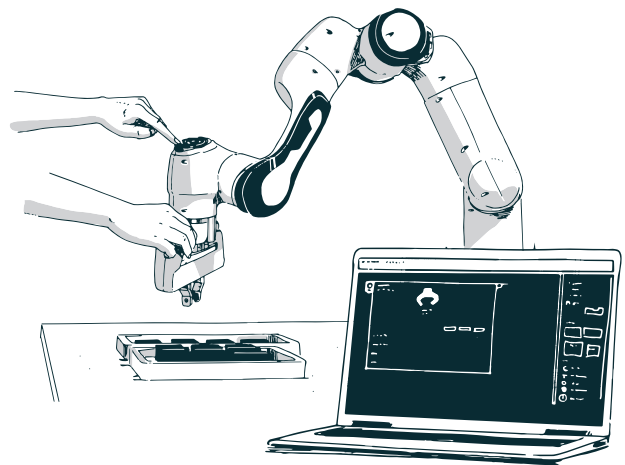
WORKING WITH PANDA

Workflow-based programming

Panda offers the easiest and fastest workflow-based user experience. Robot apps incorporate the entire complexity of the system and represent modular building blocks of a production process such as grasping, plugging, insertion and screwing. Using Desk – Franka Emika’s browser based interface – apps can be arranged to create entire tasks in no time. These tasks can quickly be adapted, reused or deployed on multiple robots to remarkably reduce setup costs. Individual apps and tasks can be parameterized by means of showing Panda poses by demonstration, or adding context relevant parameters such as speed, duration, forces, and triggering actions.

Developing apps and services

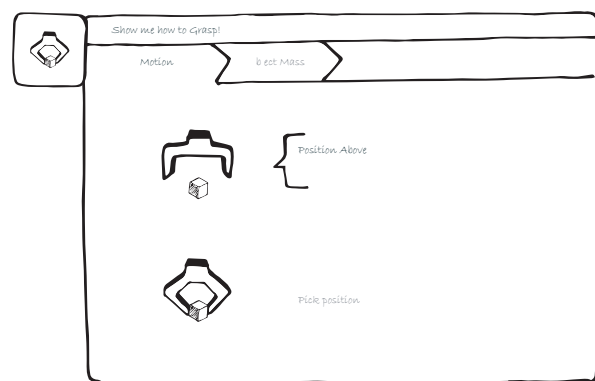
Our programming paradigm offers the possibility to develop new apps with customized interfaces, user dialogues, as well as specific and extended functionalities. Besides, services can easily be created to seamlessly integrate software and hardware extensions. Apps and services can then be deployed through Franka World in order to reach a large community, accelerating the distribution of your solution and multiplying your business case.



A. Set up the task that you would like to automate.



B. Arrange your apps into a sequence to recreate the workflow.



C. Teach Panda and parameterize each app via dialog-based interaction.