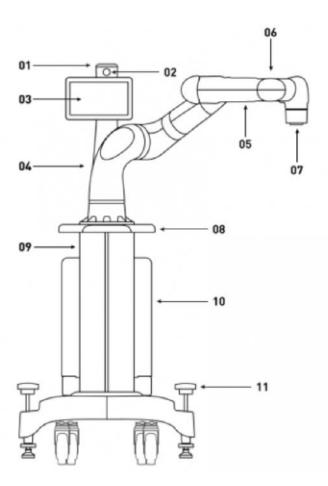


Sawyer Robot Instruction

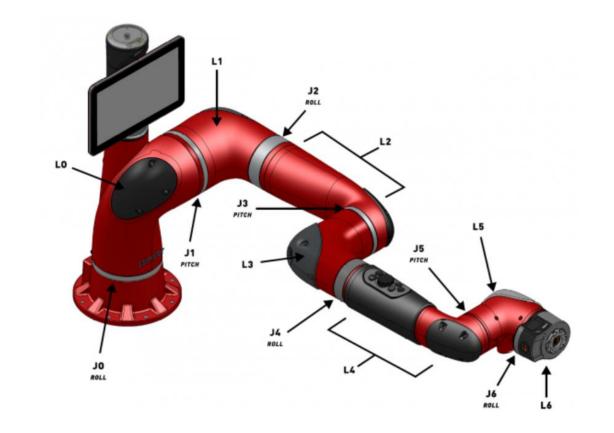
Sawyer Arm Components



- 01 Condition Light
- 02 Head Camera
- 03 Display
- 04 Navigator (Base)
- 05 Navigator (Arm)
- 06 Camera
- 07 Training Cuff with Light
- 08 Pedestal Handle
- 09 Pedestal
- 10 Controller
- 11 Leveling Feet

Sawyer Arm Specification

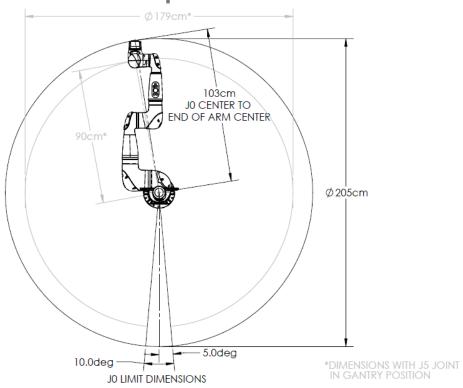
Link	Length [mm]
L0	81
L1	192.5
L2	400
L3	168.5
L4	400
L5	136.3
L6	133.75



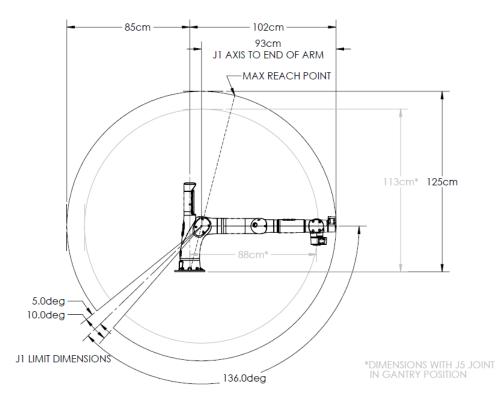
Joint		Pitch/ Roll						
J0	350	Roll						
J1	350	Pitch						
J2	350	Roll						
J3	350	Pitch						
J4	341	Roll						
J5	341	Pitch						
J6	540	Roll						

Workspace Dimensions

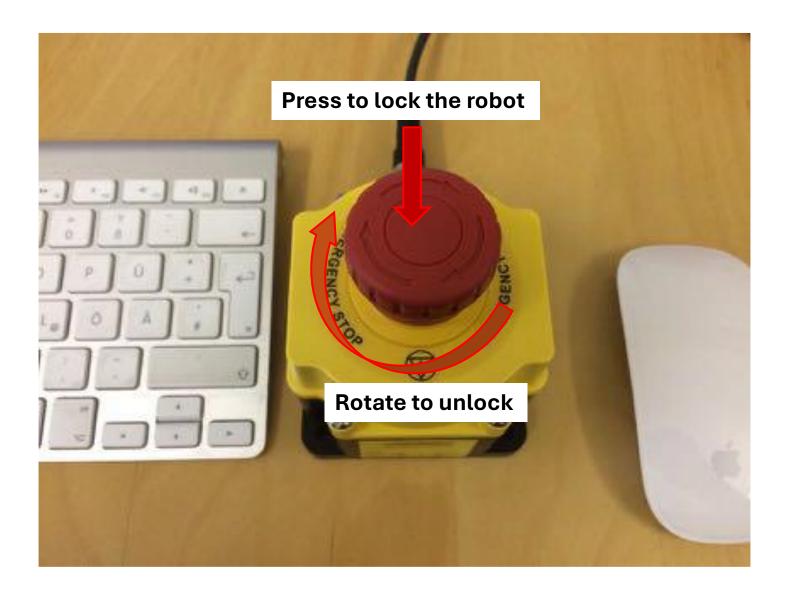
Top Down View



Side View





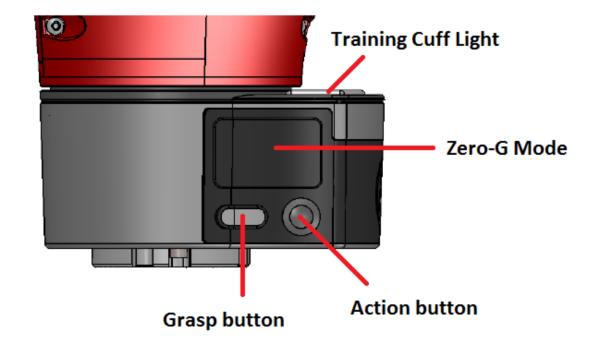


Navigator

(for direct input to robot)



Training Cuff



Sawyer Condition	Cuff LED Color						
Arm Power On	Amber						
Zero G Active	White						
Jogging Arm	White						
Insert Node / Update Pose	Flashing White						
Joint Limit	Red						
Collision Detected	Flashing Red						
Wait / Wait Until Node Active	Flashing Green						
E-Stop Engaged	No Color						





Head LED Status

Sawyer Condition	Head LED Color						
Working/Running	Solid Green						
Error in Task	Flashing Yellow						
Connected to Intera Studio	Solid Yellow						
Not Connected to Intera Studio	Solid White						
E-Stop Engaged	Flashing Red (SOS Pattern)						
Hardware Issue	Flashing Red (SOS Pattern)						
Boot Up	No Color						

Power Switch

- Make sure that the robot arm is in a safe position for the robot and for you.
- Note that once you turn off Sawyer, you will no longer be able to move your arm.

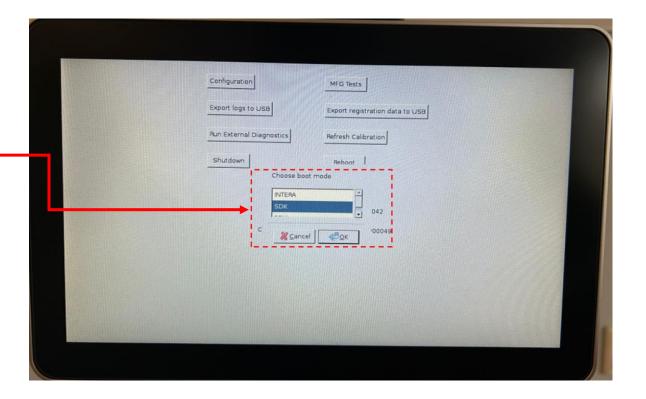


Boot mode configuration:

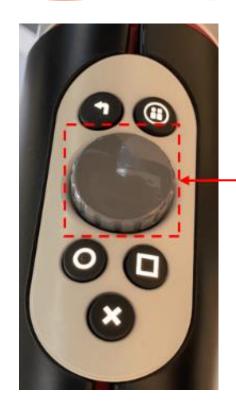
 Keep pressing F during the boot up until the Boot Screen appears.

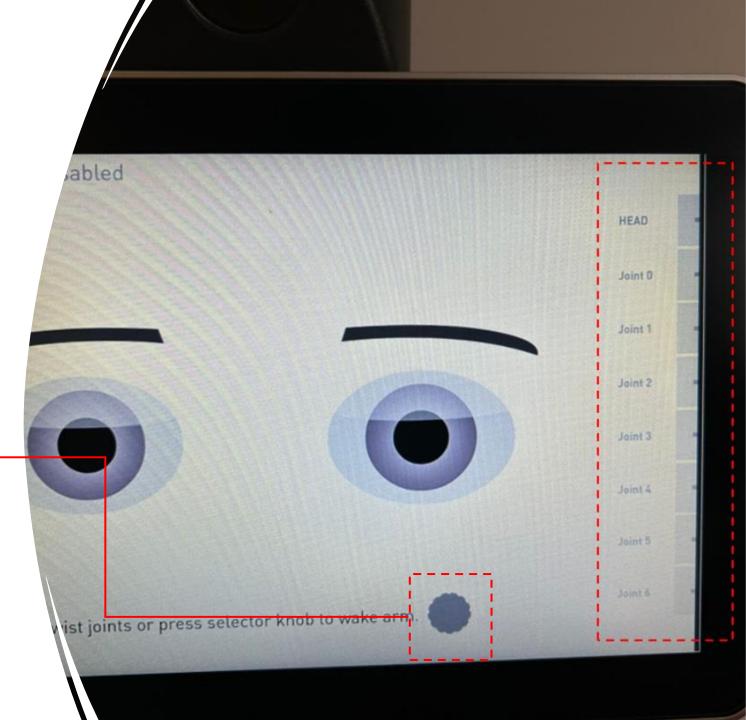
 Choose the boot mode (Intera or SDK) you want to start the robot in.



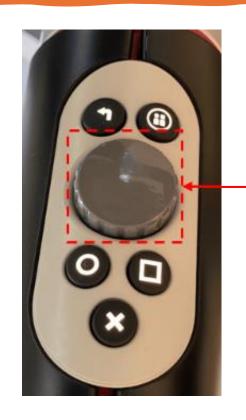


Calibration of Arm & Gripper



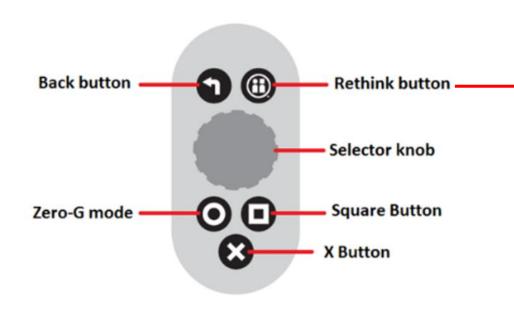


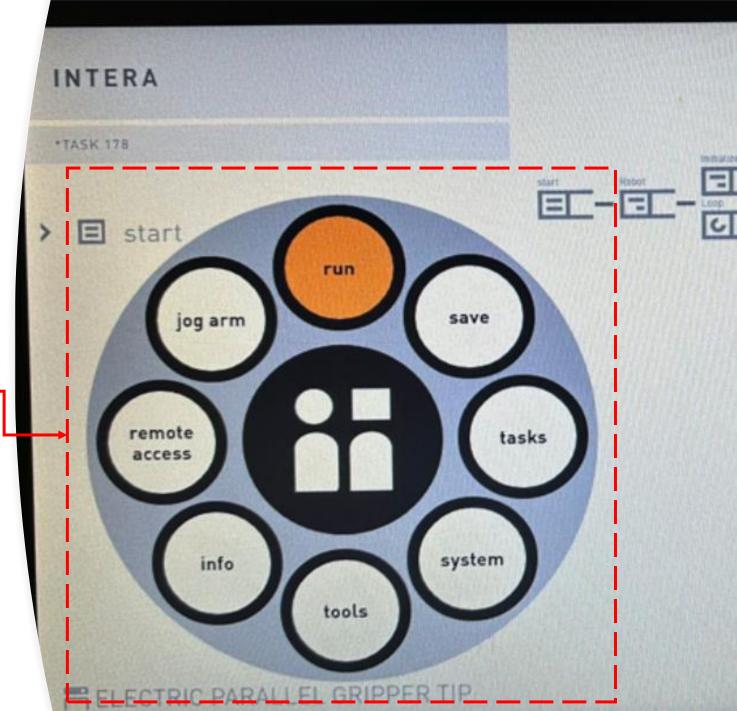
Calibration of Arm & Gripper





Rethink button



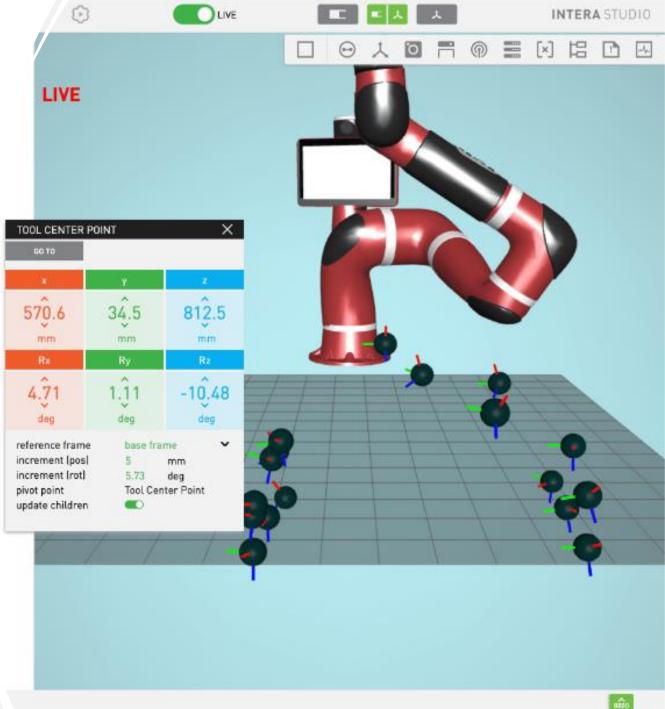


Connect to Intera Interface

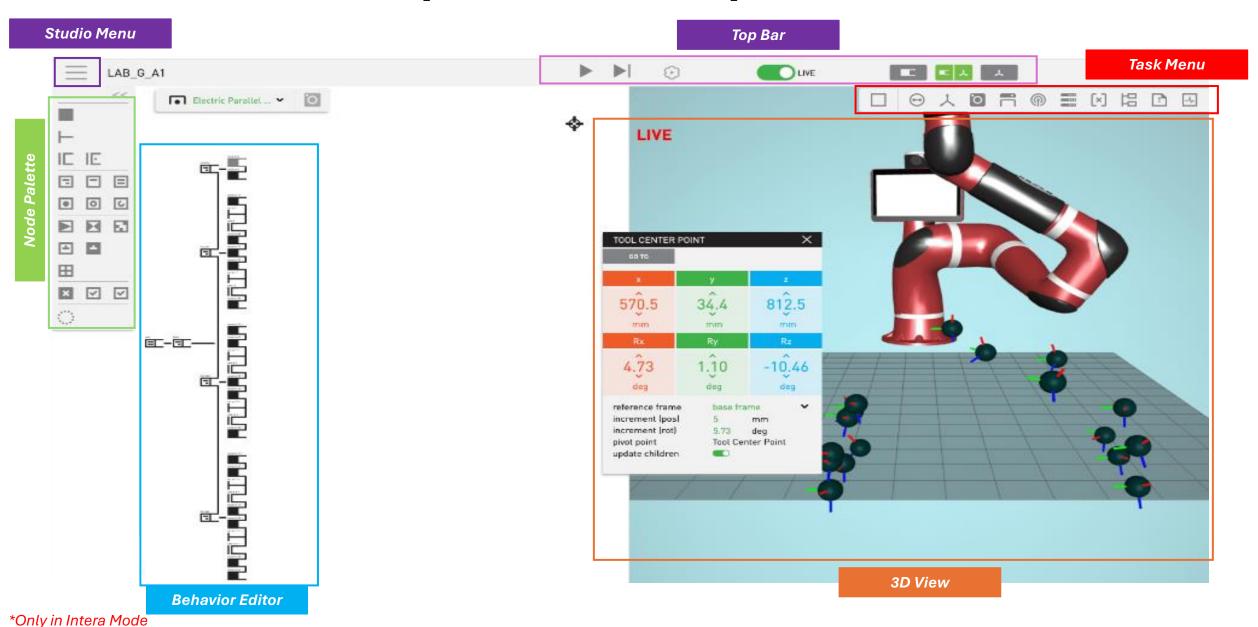
Connect to the hcr-lab network



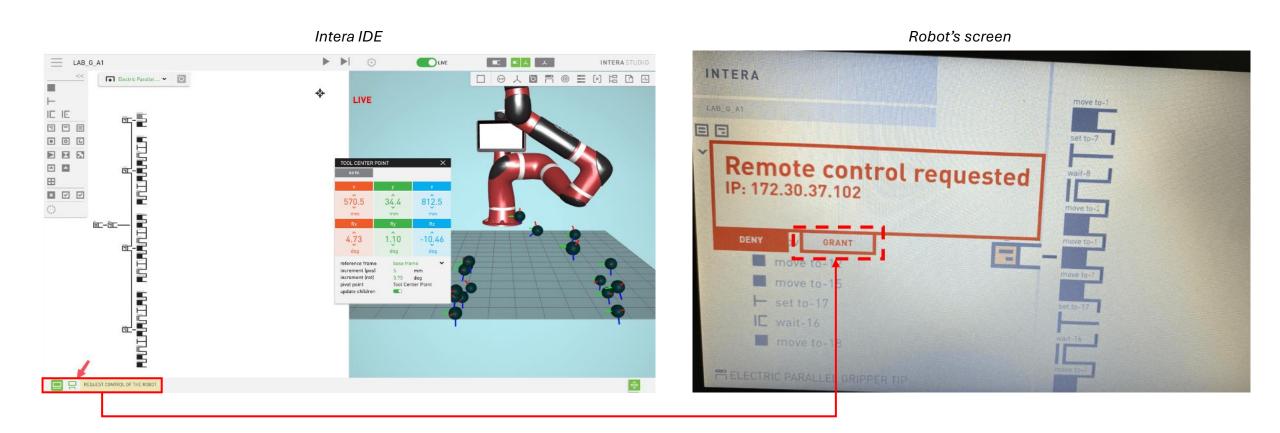
 Use your browser to access http://sawyer.hcr-lab:3000



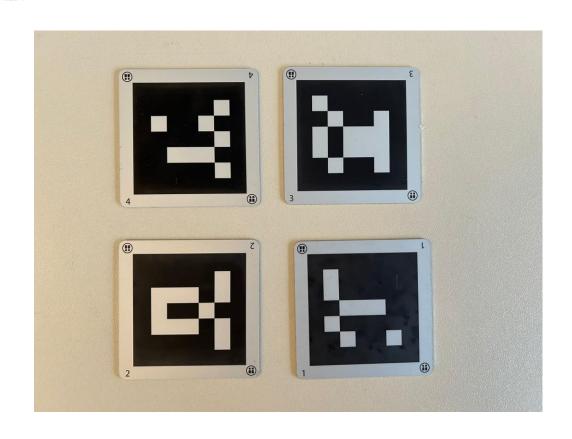
Intera 5 Studio ('Web Mode')

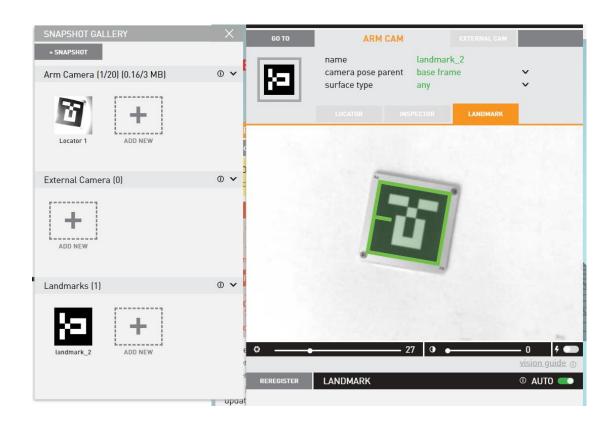


Request Robot Control



Landmarks





To book Device,

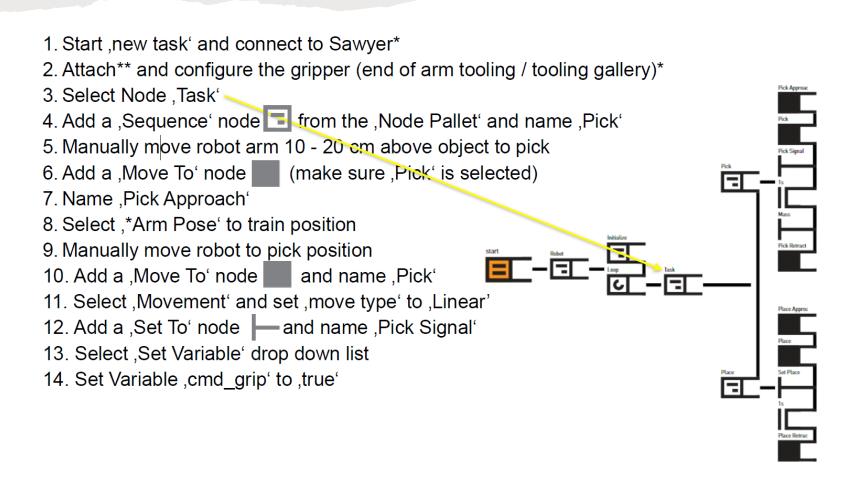
or simply login here ■ Email address ■ Password Login

Password ?

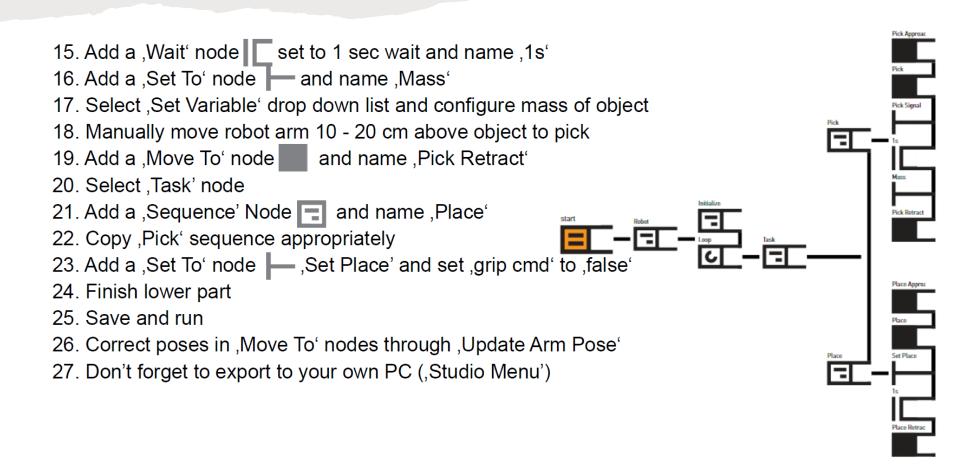
	Thursday September 26, 2024										Friday September 27, 2024											
Devices	Turtlebot [10x] (Raum 162)		Co-Bot		Salt [Pepper Robot] (Raum 162)	Temi Robot (Raum 162)	[10v]	3D-FDM	DarklyLabs Lasercutter (Raum 215)	Formlabs 3D-SLA (Raum 215)	Lötplatz (Raum 215)	Turtlebot [10x] (Raum 162)	Co-Bot	-	Pepper [Pepper Robot] (Raum 162)	Salt [Pepper Robot] (Raum 162)	Temi Robot (Raum 162)	Petoi Robot [10x] (Raum 162)	MakerBot 3D-FDM (Raum 215)	DarklyLabs Lasercutter (Raum 215)	Formlabs 3D-SLA (Raum 215)	Lötplatz (Raum 215)
8:00 AM to 10:00 AM	Free	Free	Free	Free	Free	Free	Free	Free	Free	Free	Free	Free	Free	Free	Free	Free	Free	Free	Free	Free	Free	Free
10:00 AM to 12:00 PM	Free	Free	Free	Free	Free	Free	Free	Free	Free	Free	Free	Free	Free	Free	Free	Free	Free	Free	Free	Free	Free	Free
12:00 PM to 2:00 PM	Free	Free	Free	Free	Free	Free	Free	Free	Free	Free	Free	Free	Free	Free	Free	Free	Free	Free	Free	Free	Free	Free
2:00 PM to 4:00 PM	Free	Free	Free	Free	Free	Free	Free	Free	Free	Free	Free	Free	Free	Free	Free	Free	Free	Free	Free	Free	Free	Free
4:00 PM to 6:00 PM	Free	Free	Free	Free	Free	Free	Free	Free	Free	Free	Free	Free	Free	Free	Free	Free	Free	Free	Free	Free	Free	Free
6:00 PM to 8:00 PM	Free	Free	Free	Free	Free	Free	Free	Free	Free	Free	Free	Free	Free	Free	Free	Free	Free	Free	Free	Free	Free	Free
Devices	Turtlebot [10x] (Raum 162)	Co-Bot	Sawyer Co-Bot (Raum 162)	Pepper [Pepper Robot] (Raum 162)	Salt [Pepper Robot] (Raum 162)	Temi Robot (Raum 162)	Petoi Robot [10x] (Raum 162)	3D-FDM	DarklyLabs Lasercutter (Raum 215)	Formlabs 3D-SLA (Raum 215)	Lötplatz (Raum 215)	Turtlebot [10x] (Raum 162)	Co-Bot		Pepper [Pepper Robot] (Raum 162)	Salt [Pepper Robot] (Raum 162)	Temi Robot (Raum 162)	Petoi Robot [10x] (Raum 162)		DarklyLabs Lasercutter (Raum 215)	Formlabs 3D-SLA (Raum 215)	Lötplatz (Raum 215)
	Thursday September 26, 2024									Friday September 27, 2024												

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Basic Pick and Place Tutorial



Basic Pick and Place Tutorial



Useful links and Resources for Intera Mode

- Overview Intera 5.x: https://support.rethinkrobotics.com/support/solutions/articles/80000976891-overview-intera-5-x
- Head Screen Menu: https://support.rethinkrobotics.com/support/solutions/articles/80000977578-head-screen-menu
- Node-Palette: https://support.rethinkrobotics.com/support/solutions/articles/80000976891-overview-intera-5-x#Node-Palette
- Landmarks Node: https://support.rethinkrobotics.com/support/solutions/articles/80000977237-landmarks-node
- Task Bar: https://support.rethinkrobotics.com/support/solutions/articles/80000976891-overview-intera-5-x#Task-Bar
- Intera 5.x Dictionary: https://support.rethinkrobotics.com/support/solutions/articles/80000976882-intera-5-x-dictionary