



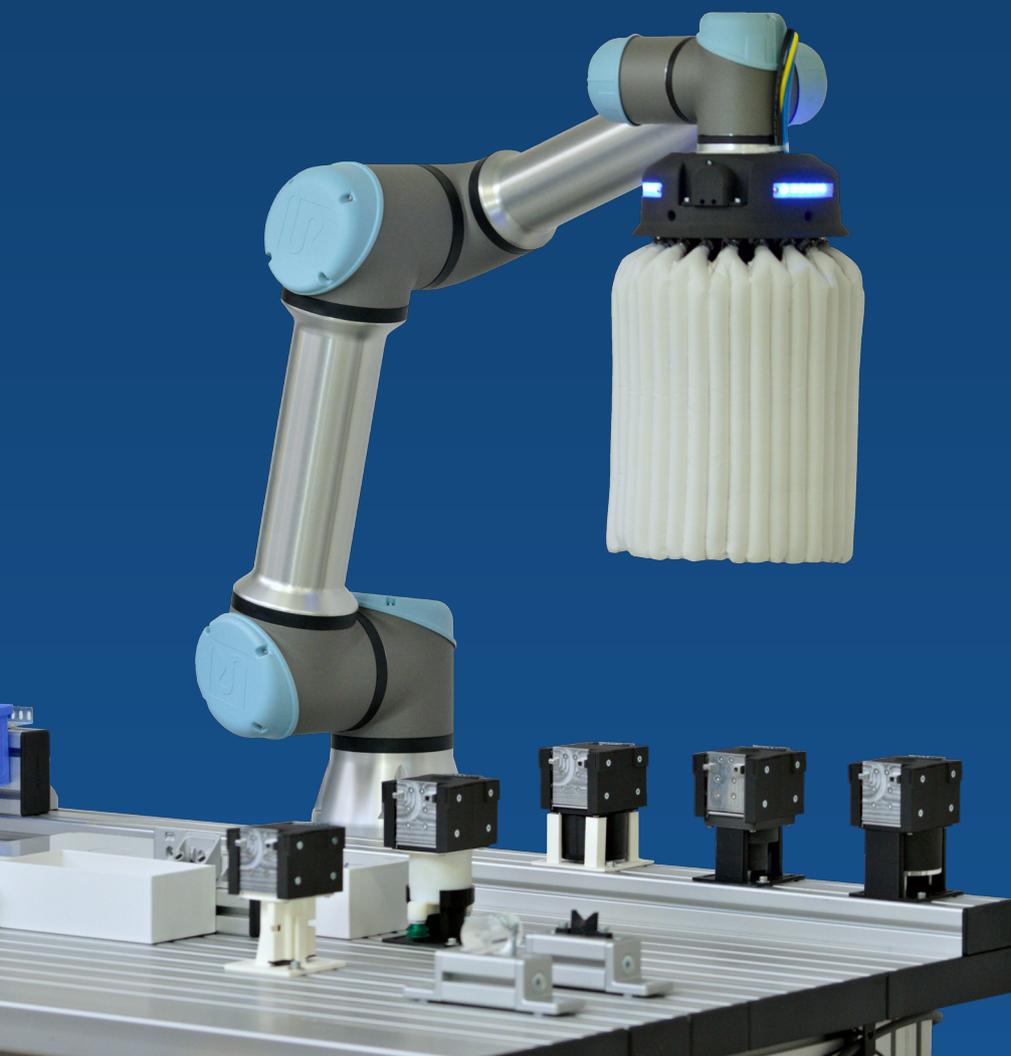
LEVERAGE ROBOTICS

Accelerate Your Production

Flexible automation of
small and medium series

Leverage Robotics Tool Cubes

Technical Sheet



Website



Videos

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Leverage Robotics ToolCubes

Flexible Automation with Light-Weight-Robots by Passive Tooling



ToolCube Box Components:

- 5 ToolCubes
- 5 ToolCube Holder
- 2 ToolCube Gripper Jaws
- 1 ToolCube Software



Double Vacuum Gripper

The Double Vacuum Gripper can perform suction gripping tasks without any additional vacuum pump. By squeezing the gripper, a strong vacuum is generated at the suction cups, which, depending on the nature of the surface, also allows long-term lifting.



Magnet Gripper

This gripper is also a purely passive tool and requires no external connections. The robot gripper activates and deactivates the magnetism in order to be able to grip components with ferromagnetic properties (e.g. screws, nuts, brackets, top-hat rails and many more).



Center Gripper

The Center Gripper centers objects for axial mating. This ToolCube allows objects to be precisely centered below the gripper. This enables precise mating of e.g. screws, washers, bolts, pins, and much more. Light objects can also be gripped from the inside at boreholes.



Single Vacuum Gripper

The Single Vacuum Gripper can also perform suction gripping tasks without an additional vacuum pump. Thanks to the interchangeable suction cups, even small and precise parts can be gripped and mounted with the suction element.



Surface Gripper

Large, heavy and flat objects can be gripped with the Surface Gripper. The principle is similar to that of a window lifter. The force of the gripper generates a very high adhesive force on smooth surfaces, with which even heavy objects up to 5 kg can be gripped securely.

Technical Details

Minimum Gripper Opening: 85mm

ToolCube	Center Gripper	Double Vacuum Gripper	Single Vacuum Gripper	Magnet Gripper	Surface Gripper
Weight in g	355	393	384	323	342
TCP shift Z in mm	62,2	85,5	93,2	53,7	62,5
Forcerange 2F Gripper in N	80 - 235	120 - 235	120 - 235	80 - 200	85 - 235
Payload in g	100	1500	100	200	5000
Aktivation time* in s	0,5	0,5	0,5	0,5	0,5

* Depending on the gripper