



P12 Pneumatic gripper option for R12

The P12 pneumatic gripper for the R12 robot arm is a parallel gripper requiring a compressed air supply. The option comprises a pneumatic circuit complete with a valve, tubing through the robot and push-fit connectors. The gripper jaws have tapped holes for fitting your own or custom fingers. The valve connects to the robot controller so the gripper can be programmed as part of robot motion.

Features

The P12 pneumatic gripper features an SMC pneumatic chuck which is fast and accurate with a high gripping force. The pneumatic circuit comprises the valve, services through the robot, cable and connector to the controller.

The gripper has 2 tapped holes on each jaw permitting customisation of the fingers or attachments tailored to your specific needs. These can either be made by yourself or you can use ST Robotics' fingers design service.

Specifications

- Maximum stroke per finger: 2mm (4mm total)
- Gripping force: 7N-25N (0.2MPa – 0.7 Mpa pressure)
- Finger type: 2x M2.5 tapped through holes per finger.

Applications and Uses

With a high gripping force this gripper can be used in various lab oriented tasks, holding specimens in place or customised to hold unique items in place. Working with a track or a toolchanger can expand the scope for this gripper.

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