



Low-Cost Automation simple and fast!

Production Cell with Gantry Robot

Automate simply and quickly!

With this standardized production cell you get a ready-to-use and proven solution for your task, and this at real low-cost automation prices!

Examples Use Cases

- Quality assurance: Length testing of turned parts
- Assembly: Application of O-rings
- Dispensing: Setting adhesive dots
- What is your task?

Structure

The core of the production cell is an igus drylin 3-axis linear gantry with Commonplace Robotics control. A stable aluminum profile cage forms the cell, the electronics are placed in a Rittal control cabinet. A safety PLC performs emergency stop, door switch and other safety functions.

Programming

The control environment with digital twin and 3D interface allows fast and intuitive programming. The program editor enables movements, IO signals, loops, If-Then-Else

branches, subroutines and all other standard functions. Cameras can be integrated, a connection to e.g. external data bases can be established via a TCP/IP interface.

Safety and CE Marking

Depending on the version, the cell is supplied complete with CE marking or with extensive preparation.

Specifications

- 3-axis gantry workspace 500 x 500 x 100 mm
- Commonplace Robotics robot controller in DIN rail format with integrated control computer and handheld operating device
- Up to 1 kg payload, repeatability better than 0.5 mm, speed up to 500 mm/s
- 14 digital inputs and outputs each
- Outer dimensions W 109 x L 85 x H 140 cm

Versions and Customization Options

We would be pleased to adapt the gantry cell to your requirements regarding process, workspace, axis brakes, feeding or components, please contact us!

→ → → www.cpr-robots.com