

Product Portfolio

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All prices in € (Euro) without VAT. Illustrations, prices and specifications are preliminary.



Industrial Robots and Robot Cells

Robots for industrial low-cost automation manufacturing. Complete robot cells prepared for the integration of your process.

→ [Industrial Robots](#)



Robots for Education

Robot arms with 4, 5 and 6 axes for training. Developed for use cases in universities, vocational schools or in-house training.

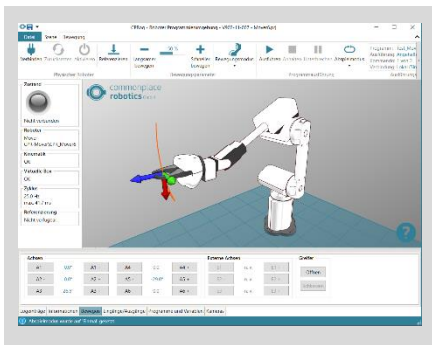
→ [Robots for Education](#)



Mobile Service Robots

Service robot with mobile platform and 6-axis robot arm. Developed for R&D institutions and companies.

→ [Service Robots](#)



Robot Controls

Robot controllers for articulated arm, portal, delta and scara robots. Versions with motor controller or as CANopen master.

- [Software](#)
- [Training and Support](#)
- [Hardware](#)
- [Complete Solutions](#)

1. Industrial Robots

1.1 Robot Cells

Solution Gantry robot cell with gantry robot

€ 24.762



Completely assembled robot cell with 3-axis gantry, robot control and safety technology. A simple vacuum suction cup is attached, we would be pleased to adapt the cell to your application!

Scope of Delivery:

- Robot cell W 700 x L 1100 x H 1200 mm
- Integrated 3-axis gantry igus DLE-RG-0001 with work area 500 x 400 x 100 mm
- Robot control with CoreRail controller and operation pendant
- CPRog programming software for Windows
- Control cabinet with safety PLC
- CE marking or preparation for it

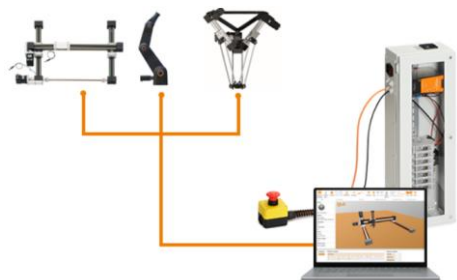
Adaptation of Solution Gantry robot cell with gantry robot

starting at € 1.550

We will be happy to adapt the robot cell to your requirements, for example regarding the workspace, the control cabinet or other components. Please feel free to contact us!

1.2 Robot arms, Gantries and Delta Robots

Low cost automation at igus



Low-cost robots for industrial use are available from igus. They consist of igus kinematics and Commonplace Robotics controllers, the iRC igus Robot Control.

Kinematics:

- robolink 4- and 5-axis robot arms
- drylin gantry robot with 2 or 3 axes
- drytech delta robot

Further information: www.igus.de

2. Robots for Education

2.1 Mover Robot

Mover4 - 4-axis robot for training

€ 3.135



Scope of Delivery:

- Mover4 robot arm with 2-finger gripper for light objects
- Pedestal
- Power supply 12V
- Connection cable
- USB-CAN adapter
- CPRog Software for Windows

Mover5 - 5-axis robot for training

€ 3.553



Scope of Delivery:

- Mover5 robot arm with 2-finger gripper for light objects
- Pedestal
- Power supply 12V
- Connection cable
- USB-CAN adapter
- CPRog Software for Windows

Mover6 - 6-axis robot for training

€ 4.714



Scope of Delivery:

- Mover6 robot arm with 2-finger gripper for light objects
- Pedestal
- Power supply 12V
- Connection cable
- USB-CAN adapter
- CPRog Software for Windows

2.2 Accessories for Mover Robots

Parallel gripper

€ 440



Parallel gripper for mounting on Mover4 and Mover5 robot arm. The parallel gripper cannot be mounted in Mover6!

Scope of Delivery:

- Parallel gripper

3. Service Robots

3.1 SRPlatform04

SRPlatform04

€ 16.441



Mobile service robot with 6-axis robot arm and electric 2-finger gripper.

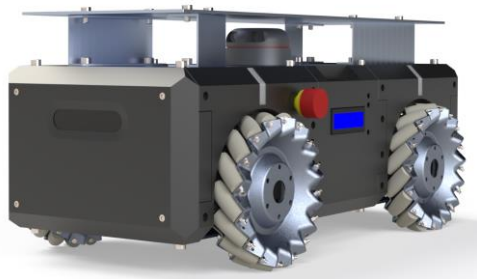
Scope of Delivery:

- Mobile platform with Mecanum drive
- Lidar sensor for navigation
- 6-axis robot arm with 500 g load capacity, 500 mm reach
- Underactuated electric 2-finger gripper
- 24V/10Ah Li-Ion battery with 3A charger
- Intel NUC Windows computer with CPRog robot controller

3.2 SRPlatform04-Base

SRPlatform04-Base

€ 7.376



Mobile platform with Mecanum drive

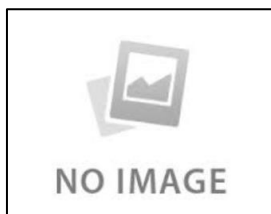
Scope of Delivery:

- Mobile platform with Mecanum drive
- Lidar sensor for navigation
- 24V/10Ah Li-Ion battery with 3A charger
- Intel NUC Windows computer with CPRog robot controller

3.3 Options for SRPlatform04

SRPlatform04 charging station

€ 1.586



Station for automatic loading of the SRPlatform04.

Scope of Delivery:

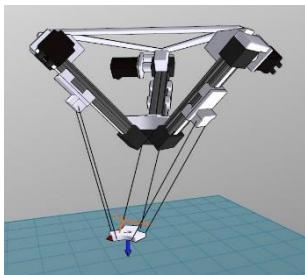
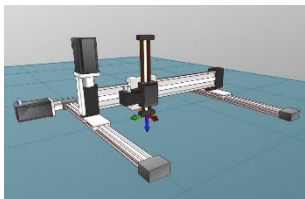
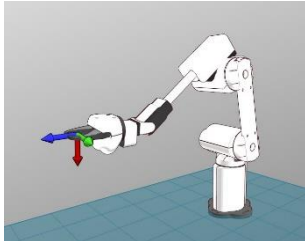
- Charging station with charger
- Mount charging contacts on the platform

4. Robot Control

4.1 Control software

Robot control Core

€ 0 - free of charge



The robot controller Core moves your robot. Based on a Linux with real time extension it plays your programs, generates the axis angles according to the kinematics and passes them on to the motor controllers.

For programming, Core is connected to the Windows software CPRog, the 3D display of the robot allows intuitive programming.

It is operated via an Android app, a control panel, or the CPRog software.

Available kinematics: 4- to 6-axis robots, portal robots, delta robots and SCARA robots.

In addition, mobile platforms with differential and Mecanum drive can be controlled in combination with the robot.

Motor controller interfaces:

- Standard: Commonplace Robotics CANV2 (Section4.3)
- Optional: CANopen (see following page)

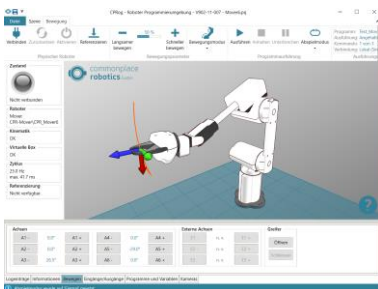
The robot controller Core works on two platforms:

- ➔ Top hat rail control CoreRail (Section4.3.4.3)
- ➔ PC with Linux (more details on request) and USB-CAN adapter from Peak Systeme

The robot controller Core can be downloaded and installed free of charge for testing and operation.

Simulation and programming environment CPRog

€ 0 - free of charge



With CPRog you can program and test your robot in a comfortable environment with 3D visualization. The Windows software connects to the core controller and then controls the robot. Created programs are transferred to Core and played back there.

Alternatively, programs can be created in simulation in the office and transferred to the real robot later.

Available kinematics: 4- to 6-axis robots, portal robots, delta robots and SCARA robots. In addition, mobile platforms with differential and Mecanum drive can be controlled in combination with the robot.

CPRog can also be used as a complete control system for the training and maker area. The motor controllers are then controlled via USB.

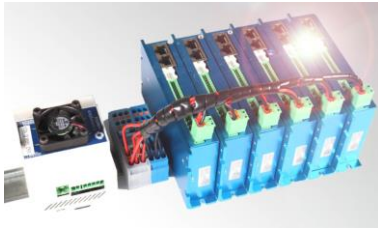
Motor controller interfaces:

- Standard: Commonplace Robotics CANV2 (Section4.3)
- Maker: Lynxmotion, Step/Direction via Teensy

The simulation and programming environment CPRog can be downloaded and installed free of charge for testing and operation.

Add-On CANopen Master

€ 1.585



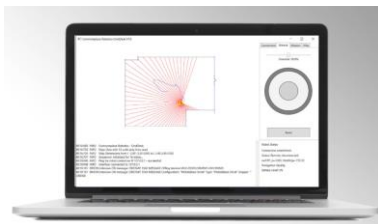
To control common CANopen motor controllers, the robot controller Core can be extended to a CANopen master. The CANopen profiles CSP and IPO are supported as well as homing.

Compatibility:

The software was tested with motor controllers from Nanotec. Please contact us if you want to use other controllers.

Add-On CANopen Master

€ 1.730



The robot controllers Core and CPRog can control mobile robots with platform and arm. The add-on NavPak evaluates lidar data so that the robots can locate themselves in space and move to a target point.

Compatibility:

- Platform kinematics: Differential, Mecanum
- Lidar sensors: SICK, SLAMtec, Hokuyo

The controller must be operated on a PC with the required computing performance.

Customization and Branding

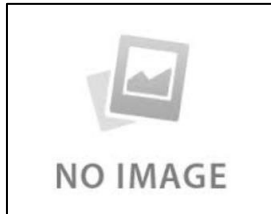
We are happy to extend the functions of the software to meet your requirements.

The robot control is modular and allows a branding in your CD.

4.2 Training and Support

3 hours programming support / remote training

€ 270

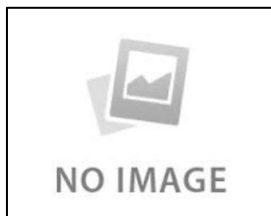


Support and training by mail, phone and TeamViewer. This can be used, for example, to provide support in the creation of programs.

Billing is based on consumption.

Training

€ 1.200



Commissioning / basic training for up to 3 persons. In addition to the standard contents, we also address your special application!

Venue:

Commonplace Robotics GmbH in D-49143 Bissendorf, Germany, or remote via TeamViewer, Teams, Zoom, ...

4.3 Control Hardware

Top hat rail control CoreRail

€ 325



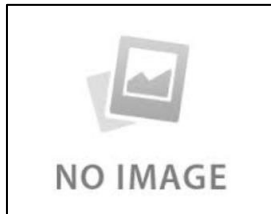
The compact controller in DIN rail format is designed for operation of the robot controller Core, which is already installed. The integrated CAN interface allows easy connection of CANopen or Commonplace Robotics motor controllers.

Interfaces:

- ➔ CAN: Connection of motor controllers
- ➔ Ethernet: CPRog for programming
- ➔ WiFi HotSpot: Operation via Android app
- ➔ Sub D 9: Connection of the operating device

Additional module Digital inputs/outputs

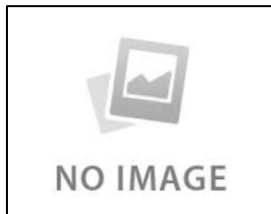
€ 206



Extension of the control by 7 inputs and 7 outputs to 24V level. Up to 3 DIO modules can be operated simultaneously.

Additional module stepper motor driver HC

€ 176



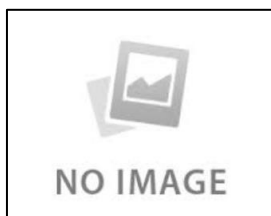
Stepper motor control card in DIN rail format. The module can drive a stepper motor up to 4.2 A with RS422 motor encoder. Referencing is possible via 24V input.

The module can be integrated into the CPRog robot controller as an external axis.

To build a complete control system, please use our complete packages with all components, cables and software.

Switch cabinet with power supply unit

€ 430



Steel control cabinet with on/off switch, power supply unit and mounting components.

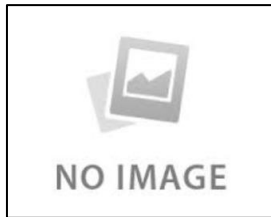
Scope of Delivery:

- Rittal control cabinet 600 x 200 x 125 mm
- Power supply 24V/10A

When ordered together with a robot controller, we integrate all components in the control cabinet.

4.4 Complete Control Solution

4.4.1 Robot controller including motor drivers for industrial applications



Robot controller with power electronics and integrated control computer with the core robot controller. The power electronics is designed for stepper motors up to 4.2A/24V with motor encoders and 24V reference switches.

This control is programmed via a Windows PC with the CPRog graphical programming environment. Operation is then carried out via the integrated control computer without the Windows PC.

Variants:

- | | |
|------------------|---------|
| • 3-axis control | € 2.018 |
| • 4-axis control | € 2.121 |
| • 5-axis control | € 2.297 |
| • 6-axis control | € 2.480 |

Scope of Delivery:

- Motor modules for each motor
- DIO module with 7 inputs and 7 outputs
- Integrated control CoreRail, control software Core installed
- Safety relay with emergency stop
- CPRog Software for Windows for programming the robot

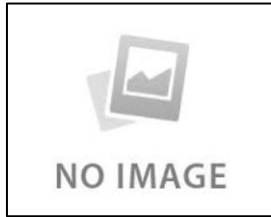
Not included:

- 24V/10 A power supply unit (included in option "switch cabinet")
- Windows PC for CPRog Software

variants:

- 48V supply voltage for more power. Please contact us!

4.4.2 Robot controllers including motor drivers for applications in education



Robot control with power electronics. 4 to 6 axis robots, portal robots, delta robots and scara robots can be controlled. The power electronics is designed for stepper motors up to 4.2A/24V with motor encoders, as well as 24V reference switches.

The control is performed by the CPRog software from a Windows PC. This must be permanently connected for the operation of the robot. The achievable speeds and motion precision are lower than in the version with integrated control computer.

Variants:

- | | |
|------------------|---------|
| • 3-axis control | € 1.618 |
| • 4-axis control | € 1.721 |
| • 5-axis control | € 1.897 |
| • 6-axis control | € 2.080 |

Scope of Delivery:

- Motor modules for each motor
- DIO module with 7 inputs and 7 outputs
- Support module incl. USB-CAN adapter
- CPRog Windows Robot Controller

Not included:

- Windows PC for CPRog Software
- 24V/10 A power supply unit (included in option "switch cabinet")