

openROBOTICS Education Package

Teach the Future!



open
ROBOTICS
makes the difference in integration

You have the engineers of tomorrow, we have the technology of tomorrow – it's a match!

B&R and Comau developed openROBOTICS to keep automation as **simple as possible** – but not any simpler. The revolutionary concept of openROBOTICS makes the **difference in integration**. Controlling industrial robots directly via a central PLC reduces significantly the number of interfaces, hence delivers unmatched performance at reduced total cost of ownership. Now let openROBOTICS make the difference in research and education, too. **Teach the Future!**



Tech. Specifications	Racer3
Number of Axes:	6
Max. Payload:	3 kg
Max. Reach:	630 mm
Robot weight:	30 kg
Mounting Position:	Floor/Wall/Ceiling/Sloped

openROBOTICS Education Package – opens a world of new opportunities for you:

- ▶ **Sharpen** the profile of your institution by applying the totally new approach of openROBOTICS
- ▶ **Evaluate** the advantages of having only one controller and programming language for the entire machine
- ▶ **Explore** the achievable automation-performance on the highest possible level of integration
- ▶ **Study** how the centralization of all relevant automation-data allows to exploit the ideas of Industry 4.0

Price: 13.500* EUR

B&R-order number: ETA1112.0C24-E0

For any purchase contact your local B&R subsidiary or reach us at: openrobotics@br-automation.com

What is inside the Package?

- ▶ 1 x **Racer3** - Precision and speed meet beauty and passion
- ▶ 1 x **Cable-Set** (Power-/Encoder), 5m (between Robot & PLC)
- ▶ 1 x **Service Connection & I/O Cable**, 5m (between Robot & PLC)
- ▶ 1 x **Ethernet Connection Cable**, 5m (between Robot & PLC)
- ▶ 2 x **ACOPOS P3** (3 axes 8,8 A, 2 kW, wall mounting)
- ▶ 1 x **APC2100** (Quad Core 1,91 GHz, POWERLINK)
- ▶ 1 x **24 V Power Supply**
- ▶ **Software-Licenses**

Further information about Comau Racer3 can be found under www.comau.com

* Price excl. VAT. Valid for deliveries to Europe only. Outside Europe exchange rates, customs etc. must be considered. Offer only valid as long as stock lasts.



ACOPOS P3 – Big impact, small footprint

This 3-axis servo drive offers a power density of 4 amps per liter, making it one of the most efficient servo drives with integrated safety functions on the market. It also offers unrivaled dynamics and precision, with a sampling time of just 50 μ s for the entire controller cascade.



APC2100 – Maximum performance comes in very small packages

The control cabinet variant of the Automation PC 2100 also provides a complete PC system with minimized dimensions. This innovative PC design is based on Intel Bay Trail architecture, whose single-, dual- and quad-core processor technology represents a milestone for embedded systems.

mapp technology – A revolution in automation software

These modular software blocks simplify the development of new programs and reduce the development time for new machines and systems by an average of 67%.



mapp handles recurring programming tasks by providing preconfigured blocks – basic functions – that are easy to use and that have already been extensively tested. Thus it is possible to put for example multi-axis systems coupled with cam profiles, electronic gears or various robot kinematics into operation in a matter of just a couple hours.

Take the advantages of the bundled competencies of two experts in their fields. B&R and Comau offer you exclusively a set of components for research and education in a complete package – ready-to-use!

Further information about B&R Components & Software can be found under www.br-automation.com





robotics.comau.com

Made in Comau