COBONDA
COLLORATION ROBOT TECHNOLOGY FOR ARM

A robot that collaborates with everyone
/ Alles Easy /
COBOTTA
/ For Human Robot Collaboration /

INHERENTLY SAFE DESIGN & FUNCTIONAL SAFETY
The unique design of COBOTTA has no sharp edges or pinch points and ensures safe collaboration with humans. In addition, there are sensors built into the six axes for constant monitoring of speed and torque, to guarantee functional safety as well.

BUILT-IN CONTROLLER
COBOTTA features a controller fully integrated into the robot arm—a unique 26/100 Industrial Design. This offers many advantages including minimal total weight of only 8 kg, a small footprint area and easy transportation. The controller also facilitates remote-controlled control with other devices.

OPTIMIZED SOFTWARE
The integrated controller consists of a series of platforms allowing developers to create their own applications in the environment. They choose the BBS version. In addition, to 3000D Robotics’ standard GUI and programming possibilities, the robot is compatible with various programming languages for individual development environments (Linux, IBS) and can be connected to all kinds of devices via ROS. ONS is supported as standard.

EASY TO USE
COBOTTA offers a direct teaching function and an intuitive GUI for easy programming. The built-in AI camera and the multi-electrical gripper combined with the standard programming Apps allow creating new applications quickly—even for users not yet familiar with robots.

EASY PROGRAMMING
Ebotta World is a teaching assistant application worldwide maximum for COBOTTA. The application helps you quickly and easily realize COBOTTA’s desired job. Moving your COBOTTA directly you can teach a desired job sequence by simply sweeping and aligning jobs from the preprogrammed.

Specifications

- Axes: 6-axis for an electric gripper (3)
- Drive motor: 3 braken
- Total arm length (4th arm + 2nd arm): 3425 (1155 + 1770) mm
- Rated load capacity (Maximum payload): 0.5 kg (70 g weight direction downward within ± 90° degree) (1)
- Position repeatability: ±0.05 mm (3)
- Maximum composite speed (sensor of tool mounting face): Default 100 mm/s (100 to 1000 mm/s)
- Protective type: IP30
- Software: Standard type; COBOTTA dedicated software, OS5 type: none (3)
- Power supply specifications: AC adapter
- External signal: System the input: 12 port USB, System the output: 10 port USB, external signal: 8 port I/O, Additional external switch emergency stop device
- External communication: Ethernet, 2x USB, Field Network prepared for EtherCAT, ProFINET, EtherCAT EtherCAT
- Weight: Approx. 4 kg
- Standards for safety: ISO 10243/10241, ISO 11006/1086, ISO 13849/10241, IEC Cat. 3

System configuration

OPTION
- 3-axis (5)
- 4-axis (5)
- 5-axis (5)
- 6-axis (5)
- 7-axis (5)

PERIPHERALS
- Ethernet cable
- EtherCAT cable
- EtherCAT switch
- Buffer/USB cable
- Emergency stop

STANDARD INCLUDED ITEMS
- Standard 4-axis AC cable (5)
- Standard 5-axis AC cable (5)
- Software DVD (5) for COBOTTA development
- Coating tool (5)
- Tool holder (5)
- AC power supply adapter (5)
- CE mark