COMAU

Build it

Program it

EXPLORE & EXPAND YOUR WORLD OF ROBOTICS
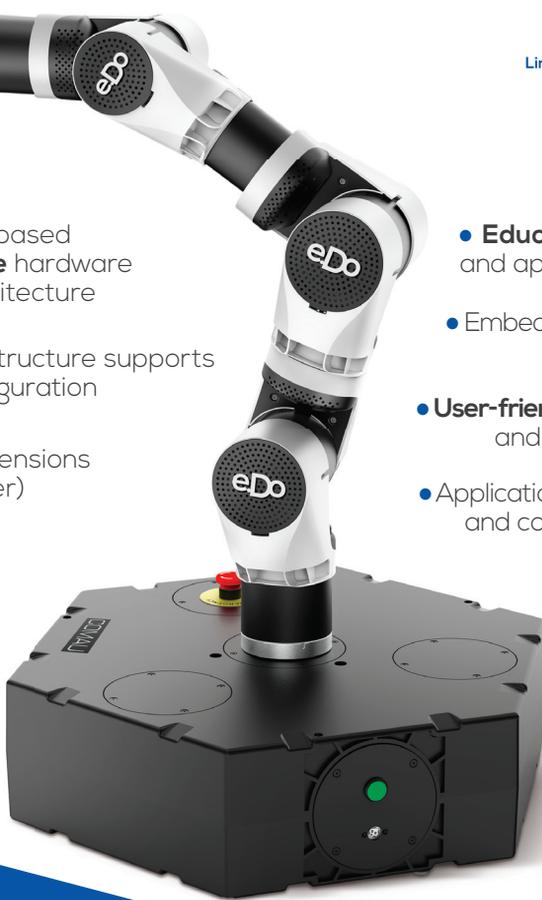
Main Features

- Powerful robotics based on an **open-source** hardware and software architecture

- **Modular**, **flexible** structure supports **personalized** configuration

- **Plug-and-play** extensions (pen holder, gripper)

- **Educational package** and application support

- Embedded **Raspberry Pi** motherboard

- **User-friendly** programming and control interface

- Application storage server and community-backed expansion

e.Do

DISCOVER COMAU'S EDUCATIONAL ROBOTICS ECOSYSTEM

e.DO is a unique, modular, open-source, Industry 4.0-enabled, "build-it-yourself" robot

e.Do

The open source platform is based on three main pillars:

.LeARN

With its open-source hardware and software, pioneers, tech enthusiasts, developers and novice users will enjoy building the robot.

.CONNeCT

e.DO is creating on open and modular ecosystem in which advanced robotics mingle with people of all ages and interests.

.CREATe

You can configure and build your personal e.DO, make your own apps and design unique accessories. Share your experience and your code with the community.

add-ons

open-source hardware

easy App

In practice, e.DO can pick up any object (up to 1 kg) and run any application that falls within its speed and payload parameters.

Hands-on \o/

e.DO is a highly engaging way to integrate robotics within the classroom.

LEARNING LAB

With a user-friendly control interface, e.DO is designed to allow students of all ages to create, learn and play with robotics while stimulating creativity and class participation.

As an example, through mathematics, primary school students can move objects using e.DO applications to apply and verify the properties of arithmetic operations.

To receive more info and to join the e.DO community:
edo.cloud/registration

WHAT DO we.Do?

Comau is actively working with educators and software developers to create didactical packages which teachers can use to help students develop specific competences on many topics (such as math, AI, coding, etc...) through e.DO.
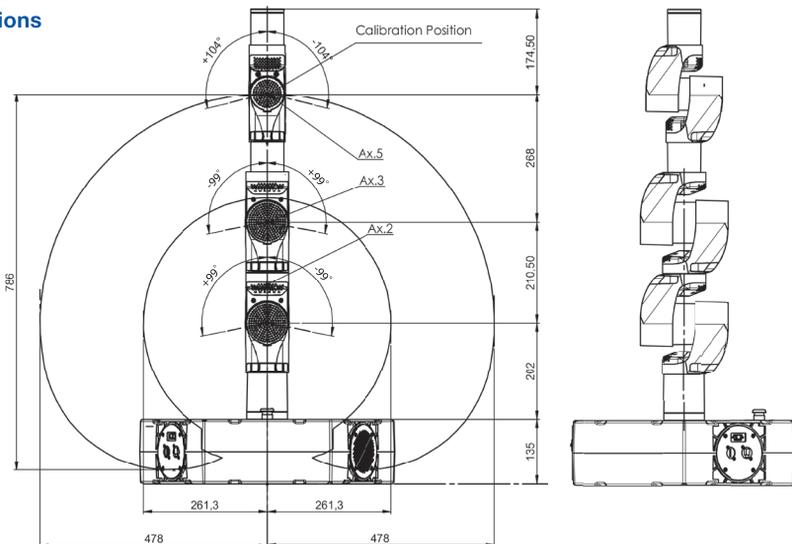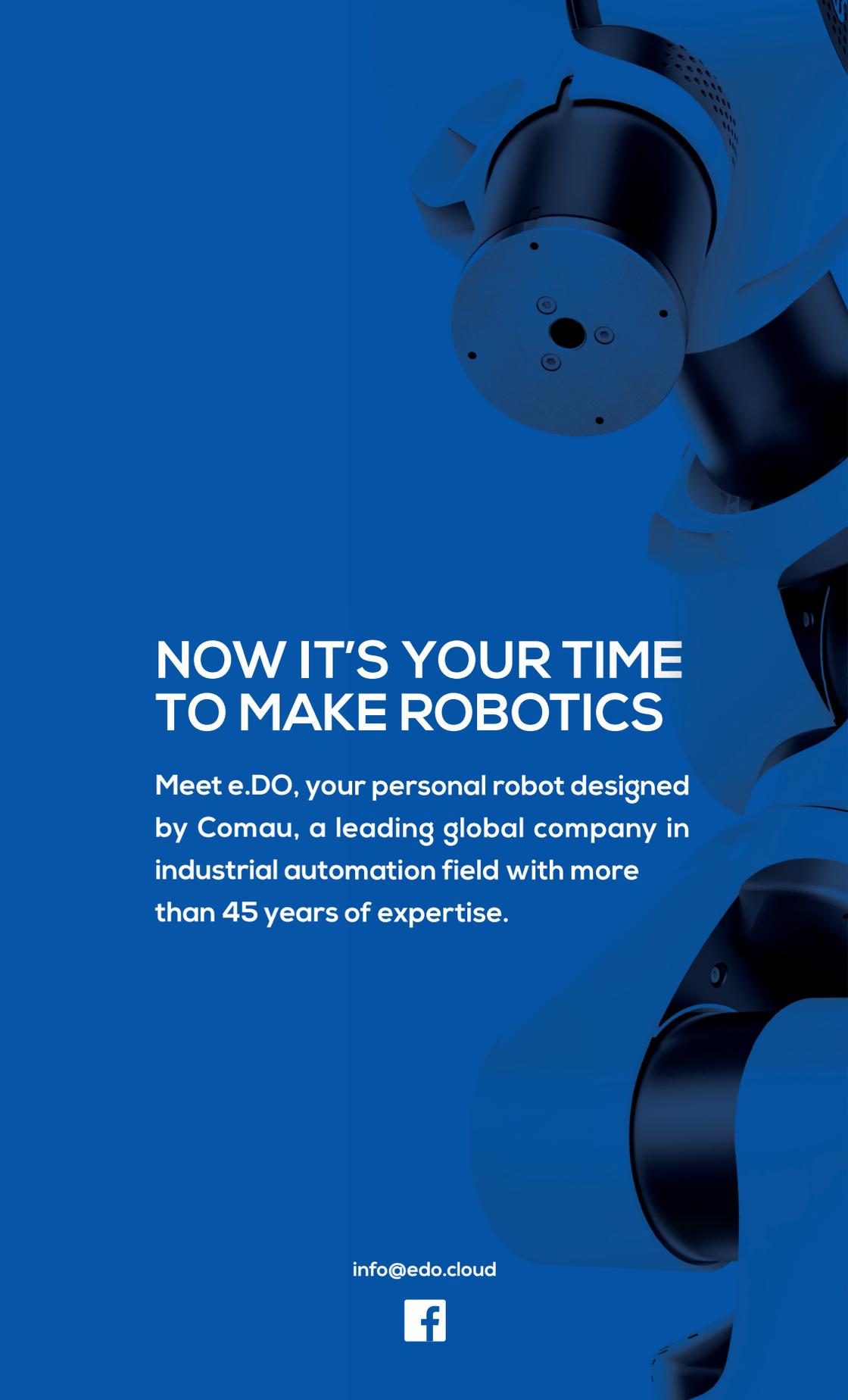
Technical Specifications

To see the complete data sheets for both the models and modular units, please access:
edo.cloud

6 AXES **4 AXES**

		6 AXES	4 AXES
Number of axes		6	4
Max payload		1 kg	1 kg
Max reach		478 mm	478 mm
Stroke (Speed)	**Axis 1**	+/- 180 ° (38 °/sec)	+/- 180 ° (38 °/sec)
	Axis 2	+/- 99 ° (38 °/sec)	+/- 99 ° (38 °/sec)
	Axis 3	+/- 99 ° (38 °/sec)	+/- 99 ° (38 °/sec)
	Axis 4	+/- 180 ° (56 °/sec)	-
	Axis 5	+/- 104 ° (56 °/sec)	+/- 104 ° (56 °/sec)
	Axis 6	+/- 2700 ° (56 °/sec)	-
Total weight		11,1 kg	10,5 kg
Robot arm weight		5,4 kg	4,8 kg
Structure material		Ixef 1022	
Power source		Universal external power source with 12V power adapter	
Connectivity		1 external USB port - 1 RJ45 ethernet - 1 DSub-9 serial port	
Motherboard		Raspberry Pi running Raspbian Jessie	
ROS		Kinetic Kame	
Control Logic		e.DO Software Stack	
Additional Features		External emergency stop button	

Dimensions

Calibration Position

Ax.5 / Ax.3 / Ax.2

+104° / -104° / -99° / +99° / +99° / -99°

174,50 / 268 / 210,50 / 202 / 135

786 / 261,3 / 261,3 / 478 / 478

NOW IT'S YOUR TIME TO MAKE ROBOTICS

Meet e.DO, your personal robot designed by Comau, a leading global company in industrial automation field with more than 45 years of expertise.

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