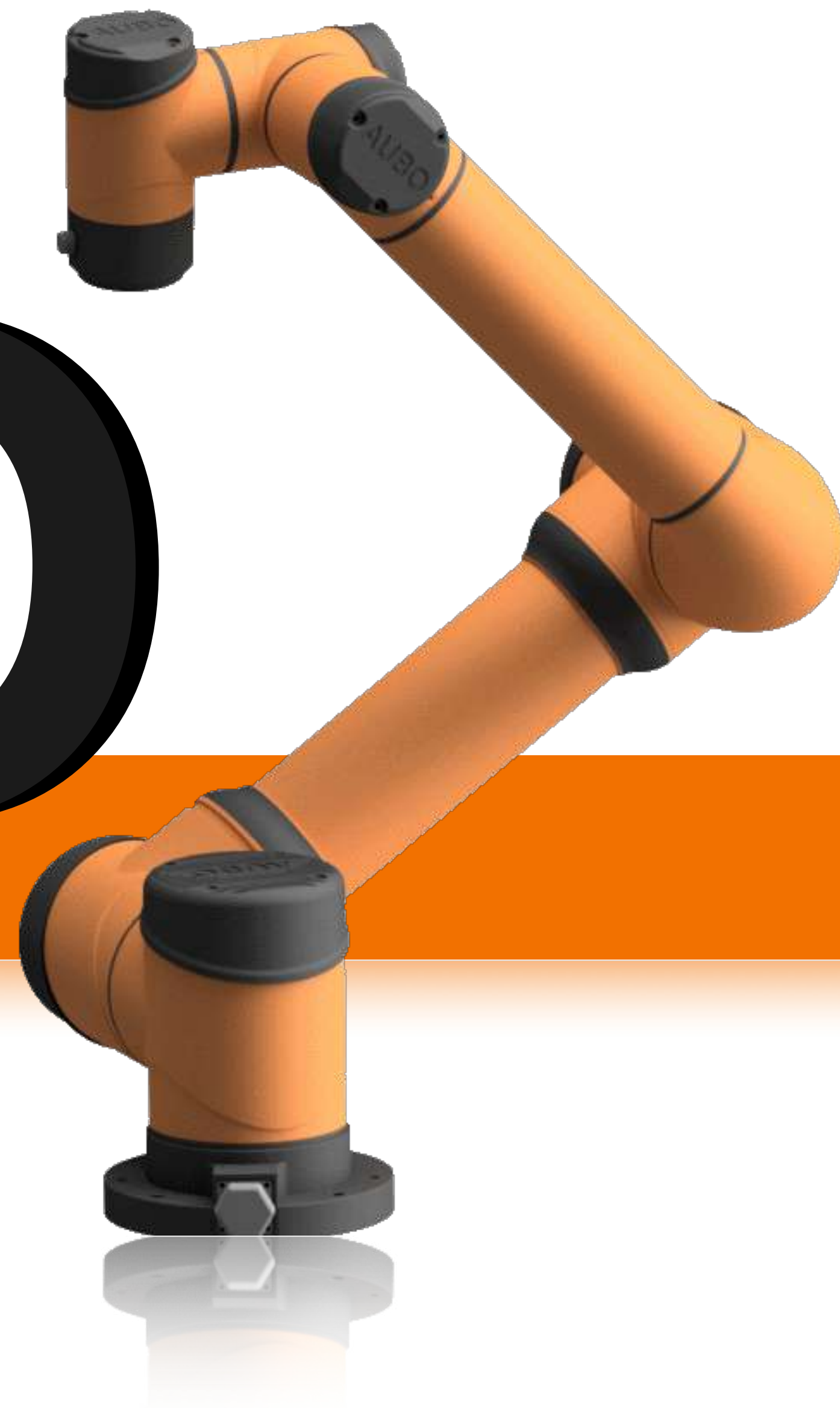




AUBO

2021 Catalogue





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Introduction

In this catalogue you'll find all you need for your application with AUBO collaborative robots. From the robot arm to the grippers and accessories or ready to use applications and training stations.

A collaborative robot (e.g. AUBO i5) consists of the robot arm, a control box and a teach pendant. In order to utilize it for an application in your facility, you can combine it with either one of the standard tools presented in the catalogue or with a custom tool by one of our trusted partners.

Once the hardware is chosen, the program for the application will be developed. For simple applications, the included 1-Day Quick-Start training is sufficient. For more complex solutions, we offer in-depth training classes or a service to develop your custom application.

Don't hesitate to contact us for support or in case of any questions.

CONTACT US



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Line Official: @gerenga
email: AUBO@gerenga.com



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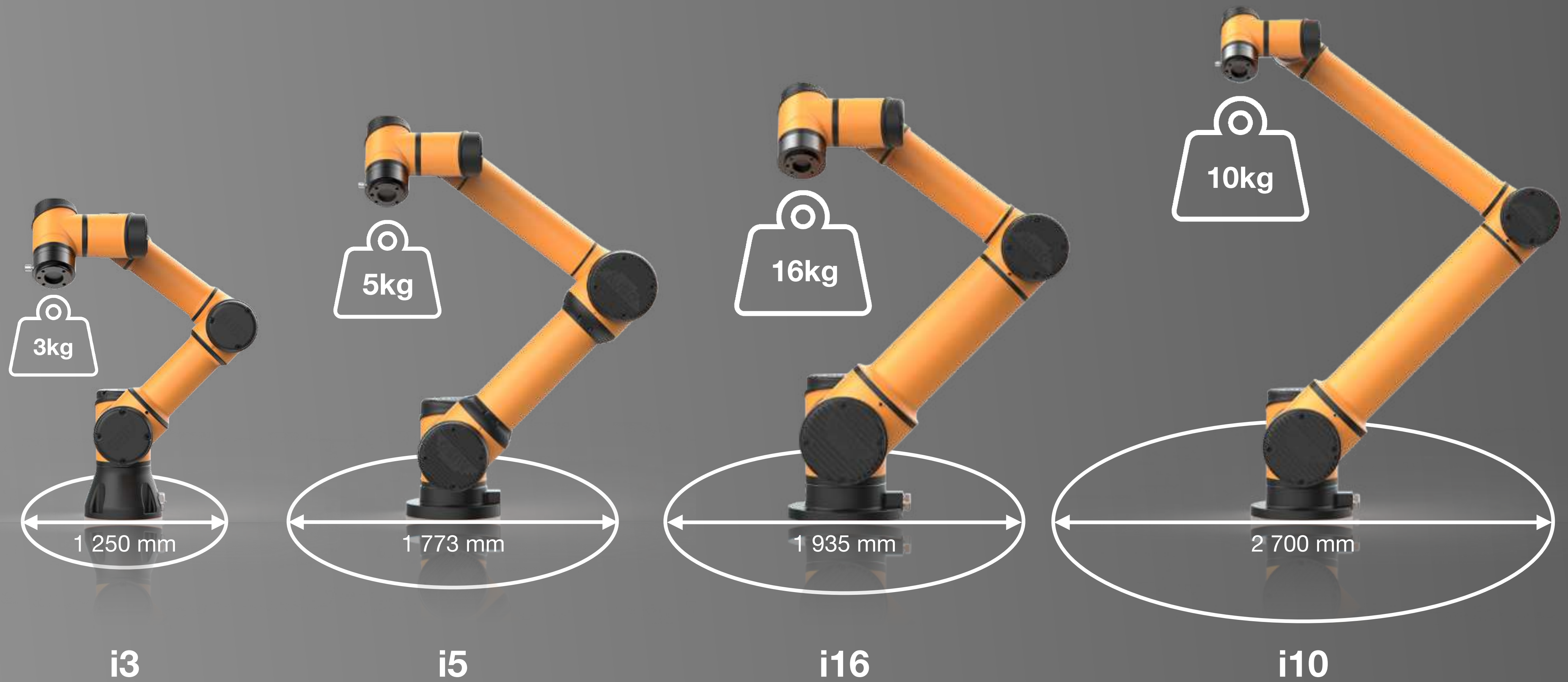
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AUBO i-series



AUBO Collaborative Robots

AUBO i-series collaborative robots have a loading capacity of 3 to 16 kg, which can cover a variety of applications in each industry, and quickly adapt to the needs of application scenarios by means of abundant configuration options. They are ideal choices for improving the production efficiency and implementing the low-cost operation.

Highlights

- Fast Delivery from Domestic Stock
- Highly Qualified Thai Service Team
- On-Site & Remote Support
- Trusted Thai Partner Network

In combination with smart accessories, you can find the right setup for your application from simple to challenging tasks.

We are here to answer all questions to find your solution.

SAFE & RELIABLE

- Safety fence not mandatory
- Protective stop for collisions
- Stopping distance <1mm
- High process stability & quality
- Process monitoring



FLEXIBLE

- Integrate into environment
- Adjust to different products
- Easy to relocate
- Scalable

EASY

- No programming skills needed
- Teach by hand-guiding
- Quick adjustments to changes

AFFORDABLE

- State-of-the-Art technology with best ROI
- Low cost of ownership



i3



i3



Included

AUBO i3

Our smallest collaborative robot for lightweight applications and tight workspaces.

With its small footprint the i3 is optimal for workspaces with limited space conditions handling parts up to 3 kg (incl. gripper weight) with a high repeatability.

Highlights

- Max. Payload with Offset ≤ 180 mm
- Small Footprint
- High Repeatability
- Free Simulation Software
- Free Soft-/Firmware Updates
- Variety of Communication Types
- Linkage Mode without Teach Pendant

Details: AUBO i3

Specifications

Payload [kg]	3
Offset with max. Payload	≤180 mm
Repeatability [mm]	±0.05
Reach [mm]	625
Linear Velocity [m/s]	≤1.9
Weight [kg]	16
Dimensions [mm]	832 x 266 x 140
Average Power [W]	150
Peak Power [W]	600





i5



i5



Included

AUBO i5

The perfect fit for medium-weight applications with optimised reach.

The higher reach and payload of the i5 allows it to handle a wide range of applications with the same repeatability as the i3.

Highlights

- Max. Payload with Offset ≤ 280 mm
- Flexible: Wide Application Range
- High Repeatability
- Free Simulation Software
- Free Soft-/Firmware Updates
- Variety of Communication Types
- Linkage Mode without Teach Pendant

Details: AUBO i5

Specifications

Payload [kg]	5
Offset with max. Payload	≤280 mm
Repeatability [mm]	±0.05
Reach [mm]	886.5
Linear Velocity [m/s]	≤4.0
Weight [kg]	24
Dimensions [mm]	1060 x 323 x 170
Average Power [W]	400
Peak Power [W]	2000





i10

i10

AUBO i10

Our collaborative robot with more power and best reach for ambitious tasks.

With the longest reach of the i-series, the i10 allows you to cover the biggest working area at a high repeatability to suit all needs.



Included

Highlights

- Max. Payload with Offset ≤ 220 mm
- Longest Reach
- High Repeatability
- Free Simulation Software
- Free Soft-/Firmware Updates
- Variety of Communication Types
- Linkage Mode without Teach Pendant

Details: AUBO i10

Specifications

Payload [kg]	10
Offset with max. Payload	≤220 mm
Repeatability [mm]	±0.1
Reach [mm]	1350
Linear Velocity [m/s]	≤4.0
Weight [kg]	38.5
Dimensions [mm]	1562 x 418 x 170
Average Power [W]	500
Peak Power [W]	2000





i16

i16

AUBO i16

The powerhouse of our collaborative robots for heavy duty applications.

With the highest payload throughout the i-series, the i16 lifts any part of up to 16 kg (incl. gripper) and provides you with high flexibility for your applications.

Highlights

- Max. Payload with Offset ≤ 220 mm
- Highest Payload
- High Repeatability
- Free Simulation Software
- Free Soft-/Firmware Updates
- Variety of Communication Types
- Linkage Mode without Teach Pendant



Included

Details: AUBO i16

Specifications

Payload [kg]	16
Offset with max. Payload	≤220 mm
Repeatability [mm]	±0.1
Reach [mm]	967.5
Linear Velocity [m/s]	≤3.0
Weight [kg]	38
Dimensions [mm]	1183 x 420 x 218
Average Power [W]	600
Peak Power [W]	2000



Model	i3	i5	i10	i16
Payload [kg]	3	5	10	16
Offset with max. Payload	≤180 mm	≤280 mm	≤220 mm	≤220 mm
Repeatability [mm]	±0.05	±0.05	±0.1	±0.1
Reach [mm]	625	886.5	1350	967.5
Linear Velocity [m/s]	≤1.9	≤4.0	≤4.0	≤3.0
Working Range J1 – J5	±175°			
Working Range J6	±175° / ±360°			
Degrees of Freedom	6			
Installation Orientation	Any			
Weight [kg]	16	24	38.5	38
Dimensions [mm]	832 x 266 x 140	1060 x 323 x 170	1562 x 418 x 170	1183 x 420 x 218
Mounting Surface	Ø140 mm	Ø172 mm	Ø220 mm	Ø220 mm
Average Power [W]	150	400	500	600
Peak Power [W]	600	2000	2000	2000
Ambient Temperature [°C]	0 – 50			
Ambient Humidity [%]	25 - 90			
IP Classification	IP54			



CB-M / TP

CB

AUBO Control Box & Teach Pendant

All i-series cobots come with one control box and teach pendant.

In Linkage Mode, the robot can be operated without teach pendant as well, while it's operated by an external control system. The compact control box offers a variety of communication types incl. Digital I/O, Ethernet and Modbus.

Highlights

- New Smaller Control Box “CB-M”
- Variety of Communication Types
- Cables Removable
- Plenty Digital Inputs & Outputs

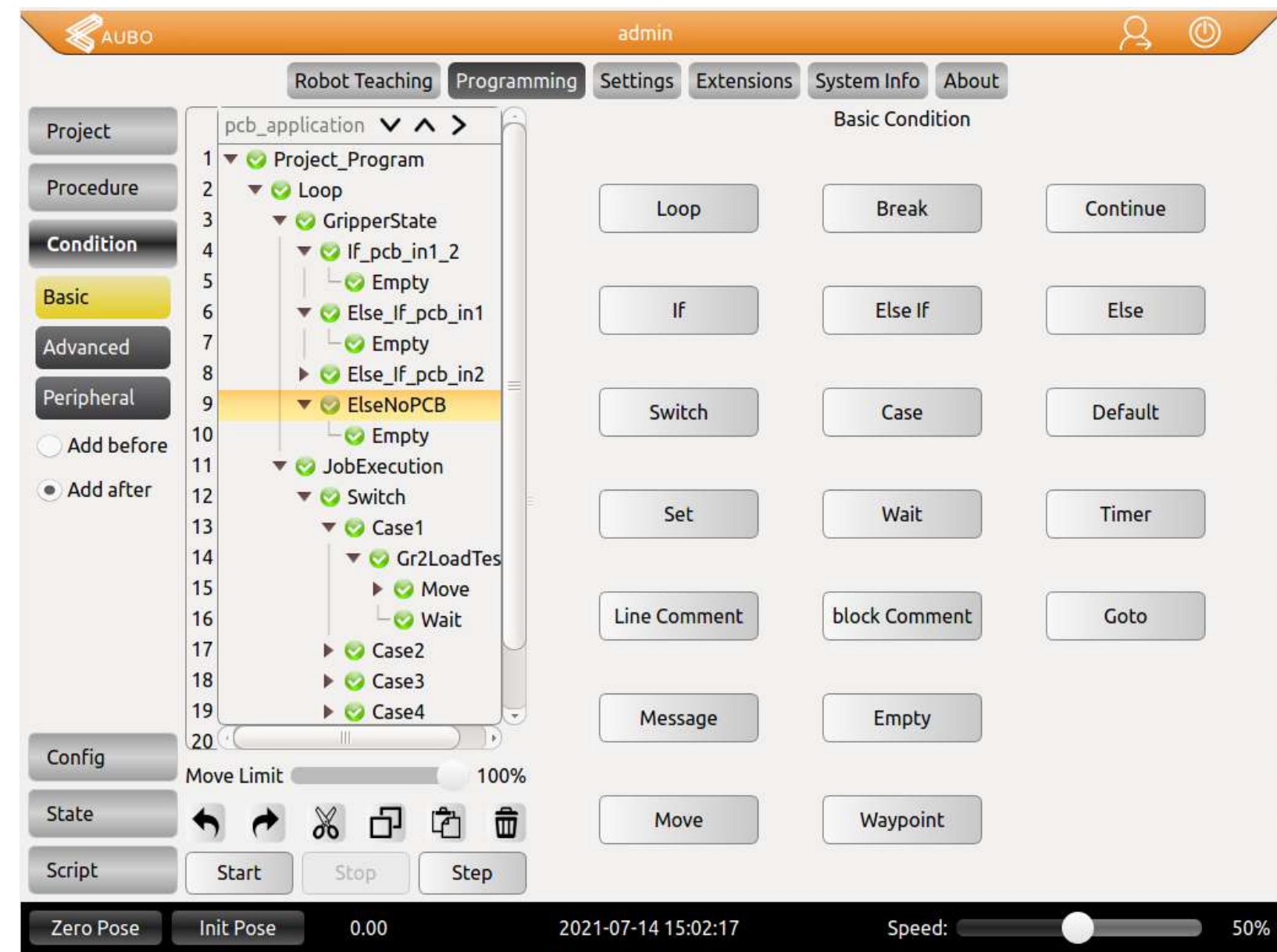
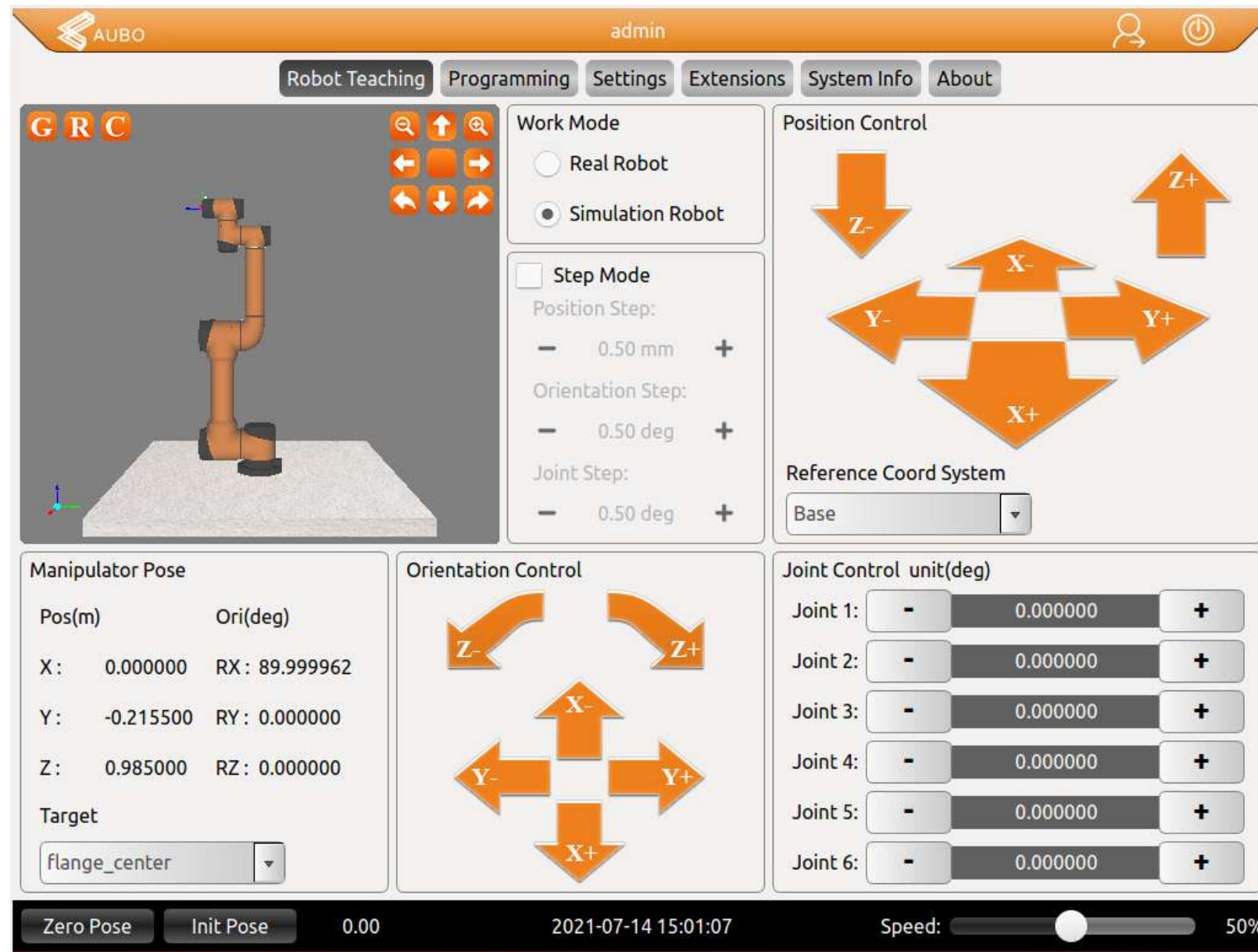
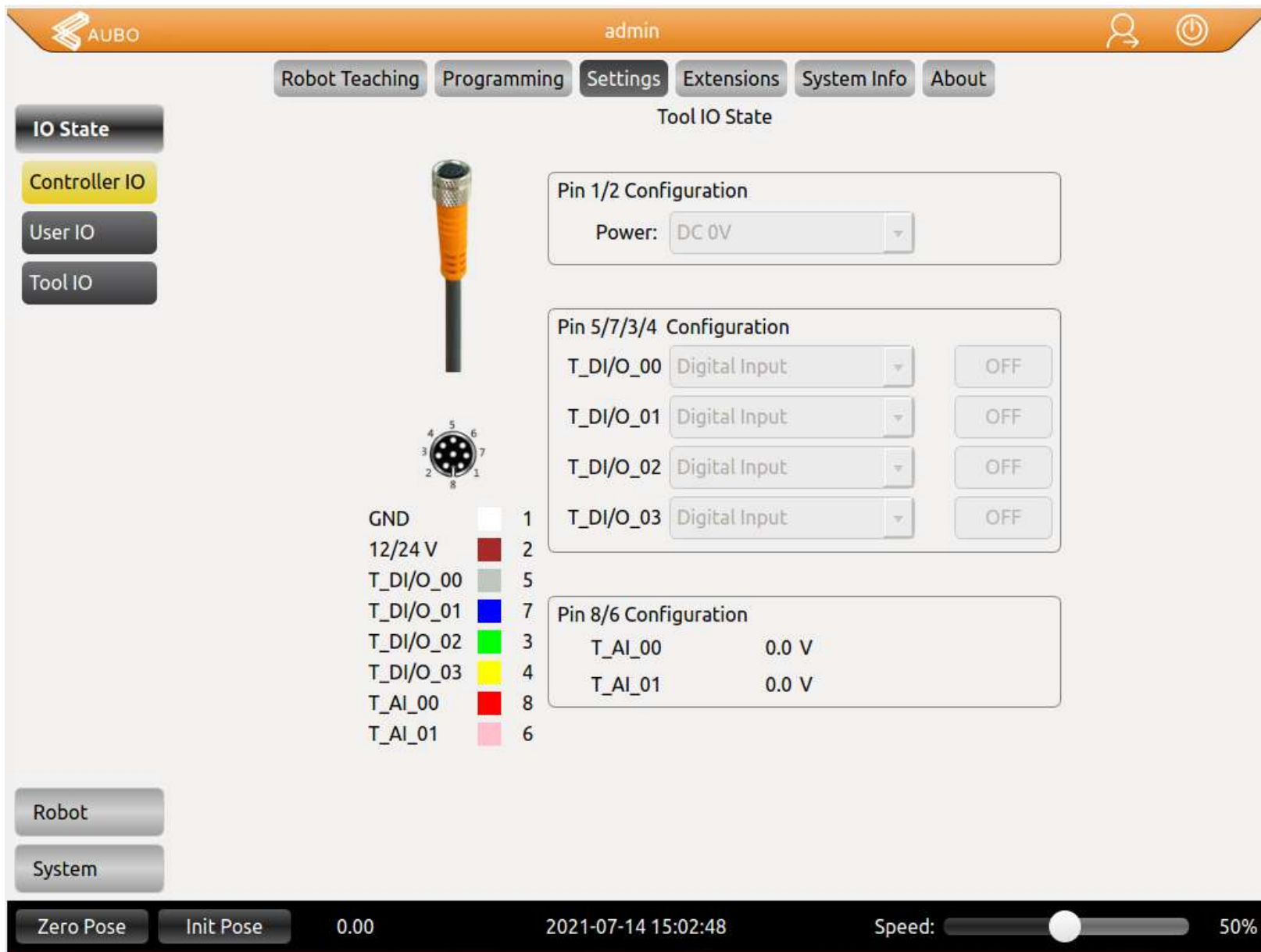
Specifications: Control Box “AUBO CB-M”

Dimensions [mm]	380 x 350 x 265	
Weight [kg]	15	
Cable Connecting the Robot	5m	
Cable Connecting the Teach Pendant	4m	
Communication	Ethernet/Modbus-RTU/TCP	
Interface	SDK [Support C/C++/Lua/Python], Support ROS, API	
Power Supply	100-240VAC, 50-60Hz	
IP Classification	IP43	
I/O Port	Digital In	16 [general] / 16 [safe]
	Digital Out	16 [general] / 16 [safe]
	Analog In	4
	Analog Out	4
I/O Power	Output Voltage [V]	24
	Output Current [A]	3 max



Specifications: Teach Pendant “AUBO TP”

Dimensions [mm]	355 x 235 x 54
Weight [kg]	1.57
IP Classification	IP43





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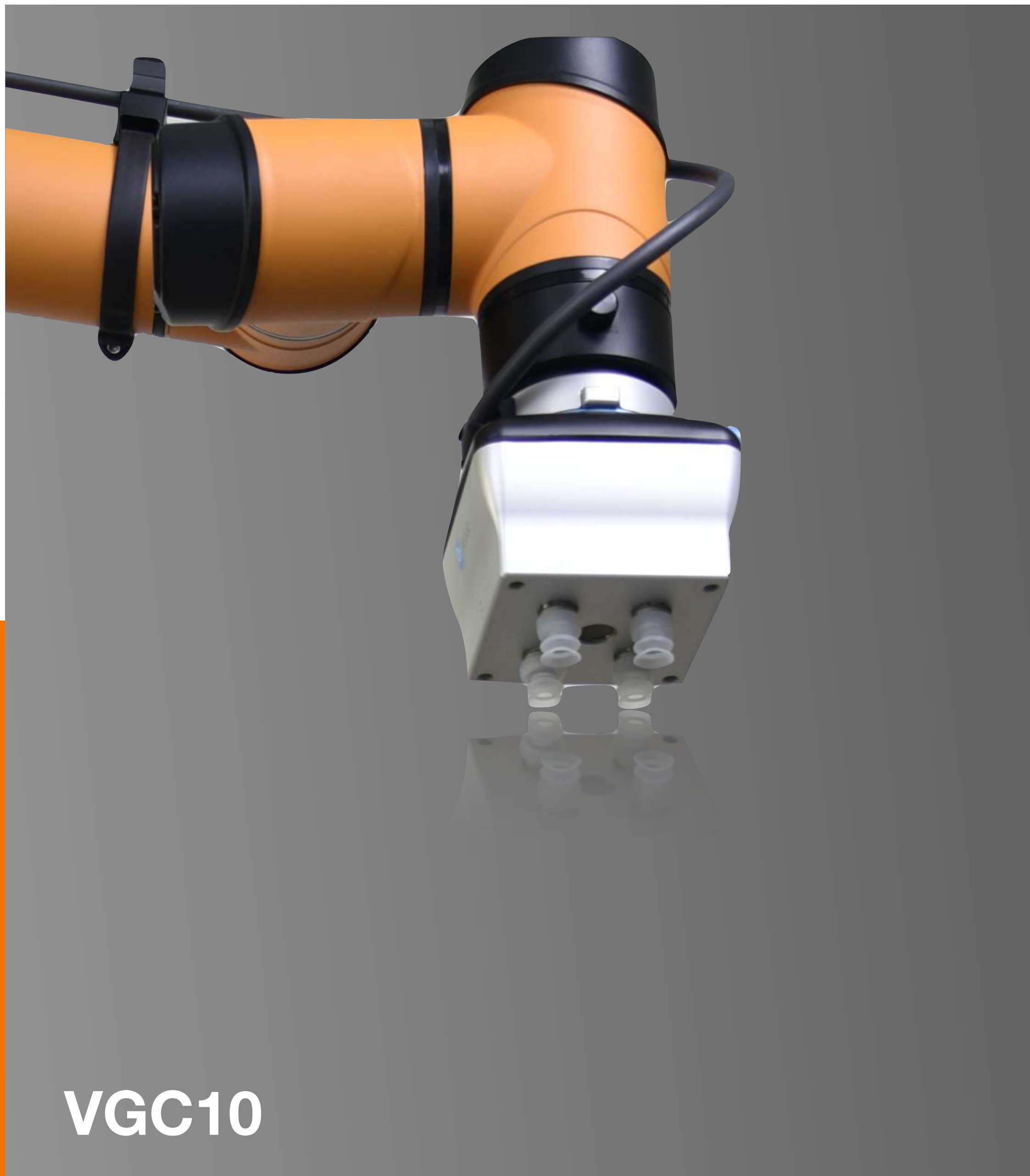
OnRobot tools are fully electric and do not rely on compressed air at all. With a wide variety of different standardized grippers, you can flexibly and quickly deploy applications like assembly, surface finishing, pick and place, machine tending, testing and more.

Highlights

- Quick Change of tools within seconds
- Fully electrical tools, even the vacuum grippers
- One-Stop-Supplier for collaborative robot applications

With the smart accessories, you can find the right setup for your application from simple to challenging tasks. We are here to answer all questions to find your solution.





VGC10

01

 **robot**

VGC10: Vacuum Gripper Compact 10 kg

The VGC10 is a flexible electric vacuum gripper with unlimited customization possibilities. It is perfect for tight spaces as it is small and lightweight. Still it has plenty of power for objects up to 15 kg.

There is no external air supply needed which reduces maintenance costs and speeds up deployment. The changeable suction cup options and the ability to add adapter plates allow to fit highly specific application needs.

Highlights

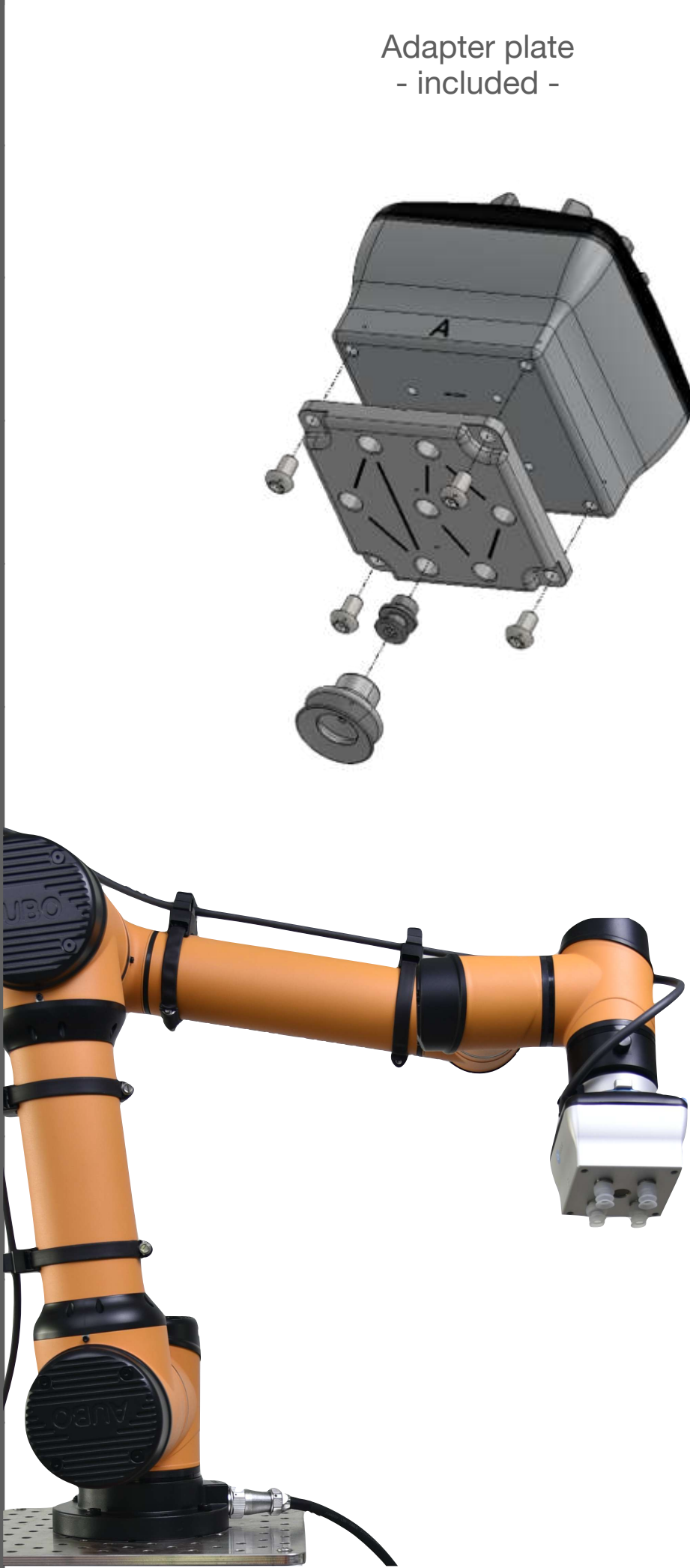
- Fully Electric Vacuum Gripper
- Compact and Powerful
- 2 Separate Channels
- Adapter Plate Included
- Custom Adapter Plate Possible
- Variety of Accessories Included
- 3rd Party Suction Cups Compatible



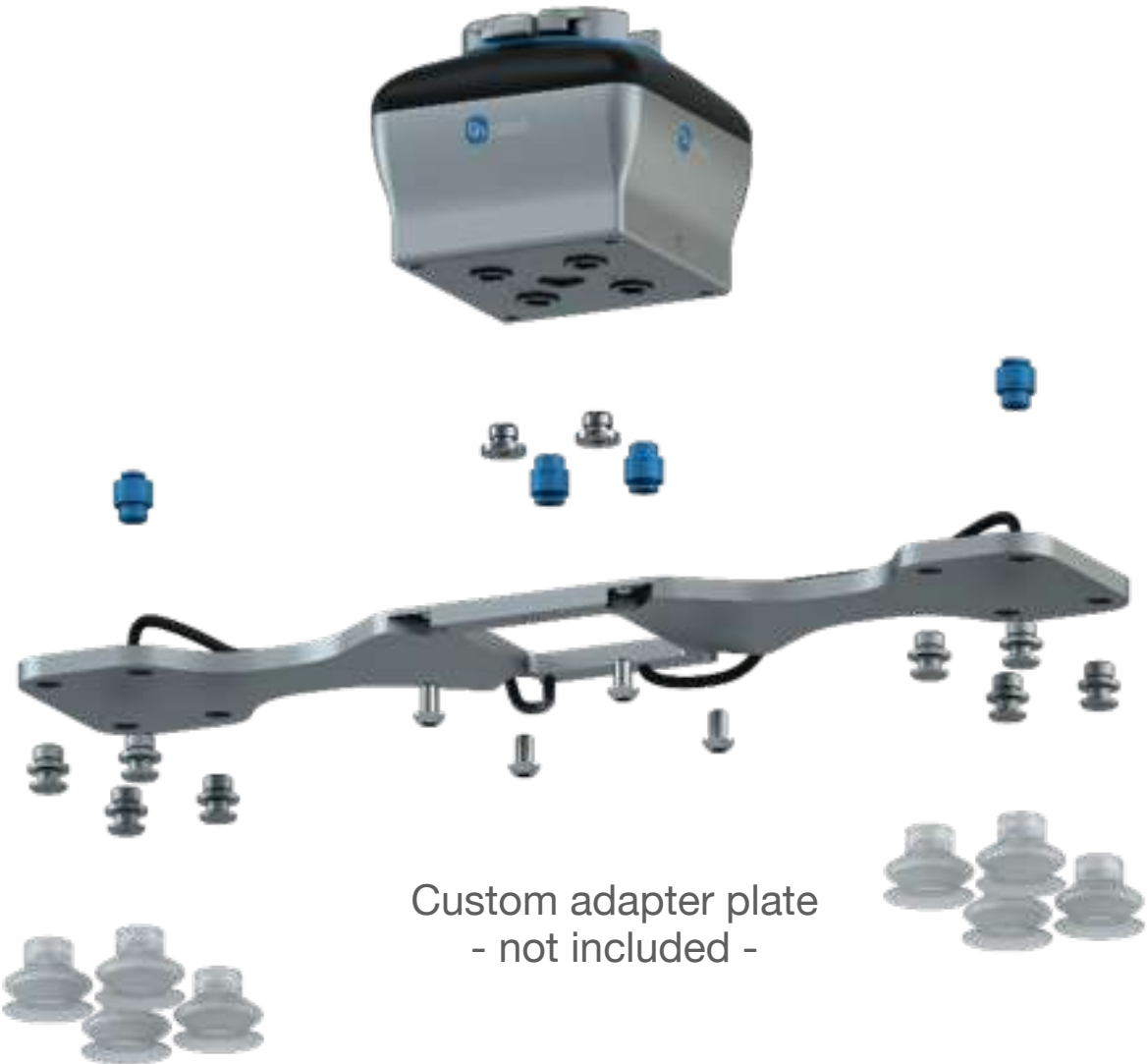
Specification: VGC10



Vacuum [bar]	-0,05 (5%) - -0,81 (80%)
Payload [kg]	max 6 - 15
Vacuum cups [pcs]	1 - 7
Gripping time [s]	0.35
Releasing time [s]	0.2
Vacuum pump	Integrated, electric BLDC
Dust filters	Integrated 50µm, field replaceable
IP Classification	IP54
Dimensions [mm]	101 x 100 x 100
Weight [kg]	0.814
Calc. life time [hours]	30 000



Adapter plate
- included -



Custom adapter plate
- not included -



Accessories included

02

robot



VG10



VG10: Vacuum Gripper 10 kg

The VG10 is a flexible electric vacuum gripper that fits all your application needs up to 15 kg payload. For reduced maintenance costs and faster deployment, there is no external air supply needed.

The changeable suction cup options match all your application needs. With flexible arms and adjustable vacuum level, it handles a variety of objects in many different sizes.

The two independently controlled air channels allow it to act as a dual gripper.

Highlights

- Fully Electric Vacuum Gripper
- 4 Adjustable Arms
- 2 Separate Channels
- Variety of Accessories Included
- 3rd Party Suction Cups Compatible

Specification: VG10



Vacuum [bar]	-0,05 (5%) - -0,81 (80%)
Payload [kg]	max 10 - 15
Vacuum cups [pcs]	1 - 16
Gripping time [s]	0.35
Releasing time [s]	0.2
Vacuum pump	Integrated, electric BLDC
Arms	4, adjustable by hand
Dust filters	Integrated 50µm, field replaceable
IP Classification	IP54
Dimensions - folded [mm]	105 x 146 x 146
Dimensions - unfolded [mm]	105 x 390 x 390
Weight [kg]	1.62
Calc. life time [hours]	30 000



- Including:
- 16 pcs vacuum cups Ø30mm (pre-mounted)
 - 4 pcs vacuum cups Ø40mm
 - 4 pcs vacuum cups Ø15mm
 - 16 pcs blind screws



VGP20

03

ch robot



VGP20: Vacuum Gripper 20kg

The industry's most powerful electric vacuum gripper saves up to 90% over pneumatic grippers.

It's ideal for palletizing boxes including cost-saving, thinner cardboard and handling irregular shapes and porous surfaces. It has a 4 channel functionality for flexible operation.

This complete out-of-the-box vacuum gripper offers fast and easy deployment. Furthermore, you have the ability to add arms to fit highly specific application needs.

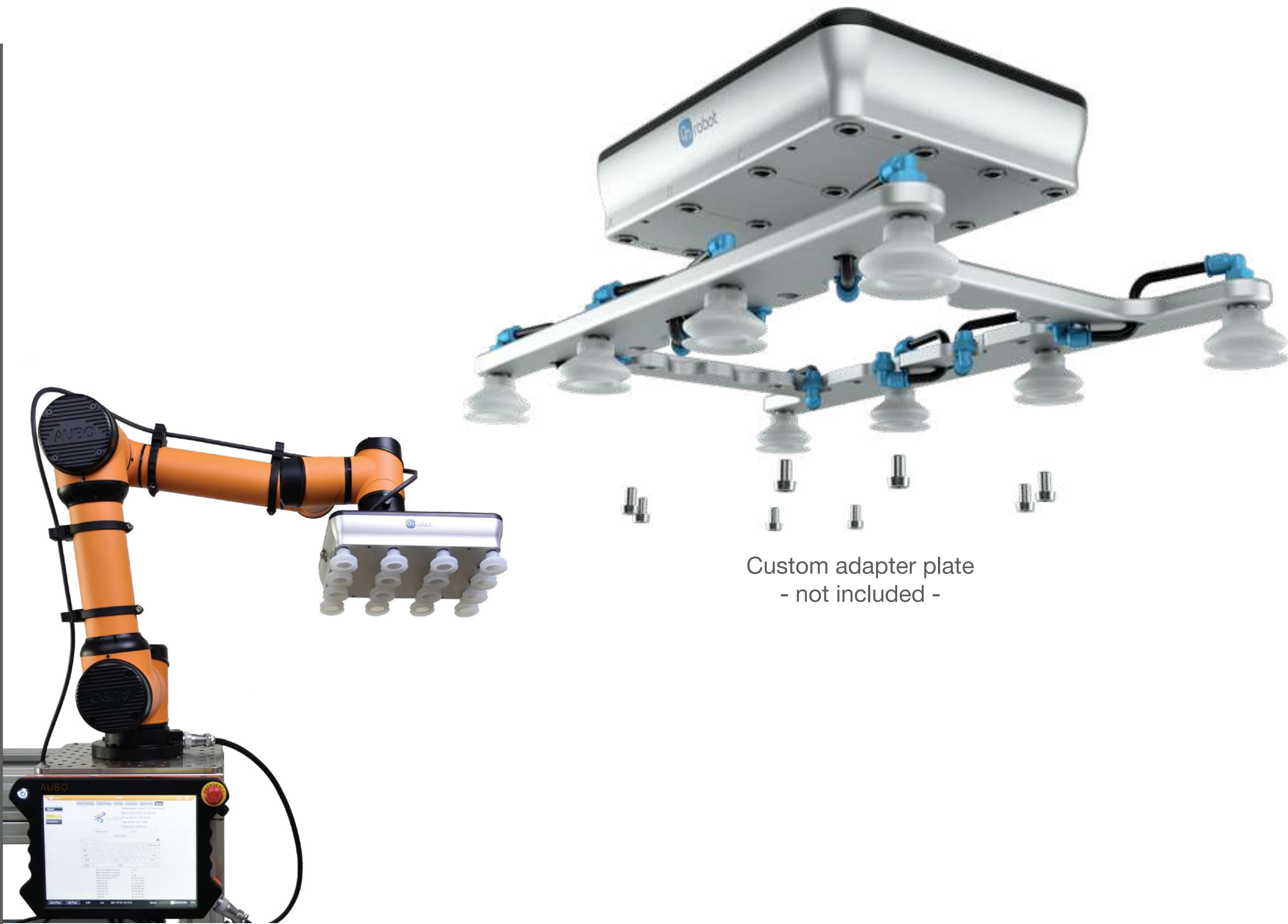
Highlights

- Fully Electric Vacuum Gripper
- ≤20 kg Payload
- 2 Separate Channels
- Custom Adapter Plate Possible
- Variety of Accessories Included
- 3rd Party Suction Cups Compatible

Specification: VGP20



Vacuum [bar]	-0.05 (5%) - -0.607 (60%)
Payload [kg]	10 - 20
Vacuum cups [pcs]	1 - 16
Gripping time [s]	0.25
Releasing time [s]	0.4
Vacuum pump	Integrated, electric BLDC
Dust filters	Integrated 50µm, field replaceable
IP Classification	IP54
Dimensions [mm]	264 x 184 x 92
Weight [kg]	2.55
Calc. life time [hours]	25 000





04

robot



RG2: Two Finger Gripper 2 kg

The RG2 is a flexible gripper that can be used for a wide range of part sizes and shapes. Its payload for force fit is up to 2 kg, in case of form fit up to 5 kg.

The Plug-and-Use design reduces deployment time from a day to an hour. The easy deployment with the RG2 reduces programming time by 70%. It also comes with adjustable grip width (up to 100 mm) and grip force as well as grip detection.

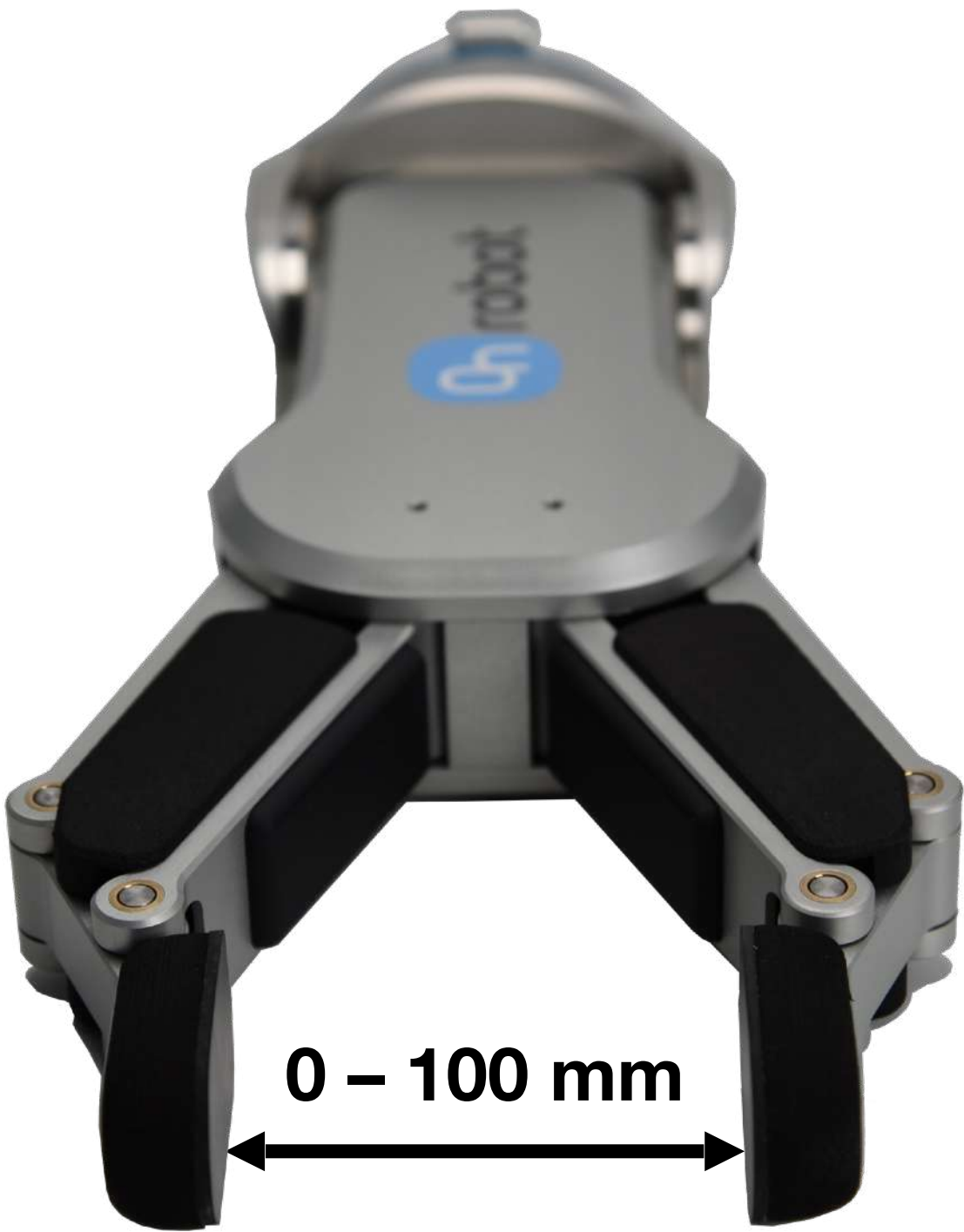
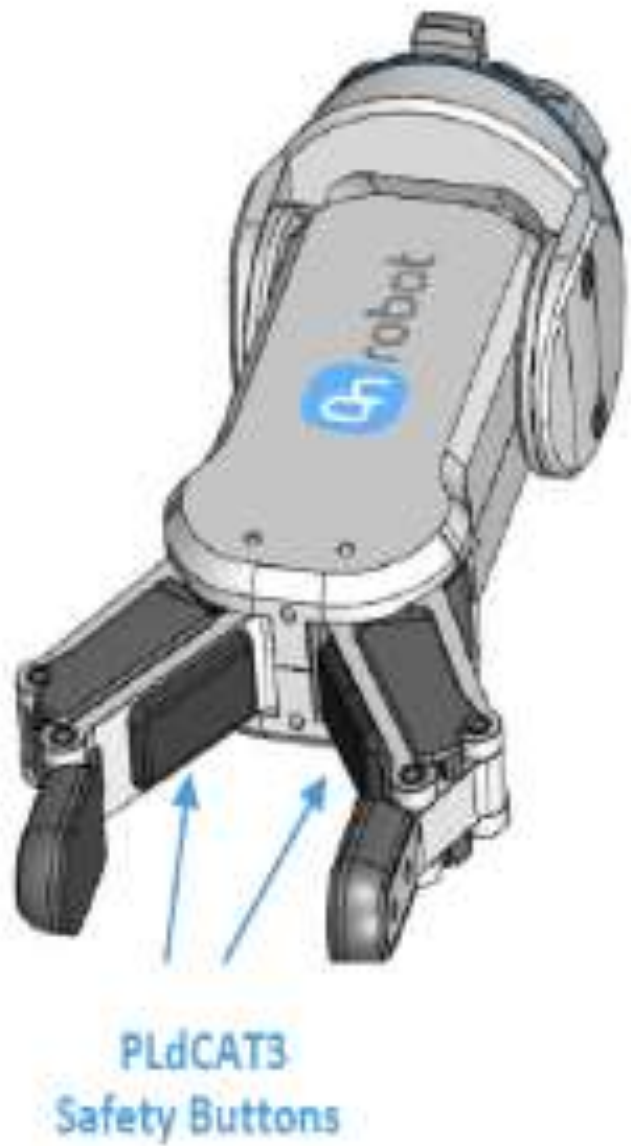
Highlights

- Fully Electric Gripper
- ≤ 5 kg Payload (Form Fit)
- 3 – 40 N Gripping Force
- Grip & Grip Loss Detection
- Gripper Position -90° - $+90^\circ$
- Custom Finger Tips Possible
- Safety Buttons to Prevent Damage

Specification: RG2



Payload force fit [kg]	max. 2
Payload form fit [kg]	max. 5
Total stroke - adjustable [mm]	110
Grip width range [mm]	0 - 100
Gripping force [N]	3 - 40
Gripping speed [mm/s]	38 - 127
Gripping time [s]	0.06 – 0.21
IP Classification	IP54
Dimensions - L x W x D [mm]	213 x 149 x 36
Weight [kg]	0.78
Calc. life time [hours]	30 000



05



Dual-RG2: 2x Two Finger Gripper 2 kg

The Dual-RG2 comes with all the benefits of a single RG2 and adds additional ones.

Cycle times for applications with an identical pick and place point can be dramatically reduced.

The brackets to adjust the gripper position from -90° to 90° allow it to use the Dual-RG2 also in tighter work spaces.

Highlights

- 2 Fully Electric Gripper
- Gripper Position -90° - $+90^{\circ}$
- Reduce Cycle Times Dramatically

Dual-RG2



RG6

06



RG6: Two Finger Gripper 6 kg

The RG6 is a flexible gripper that can be used for a wide range of part sizes and shapes. Its payload for force fit is up to 6 kg, in case of form fit up to 10 kg.

The Plug-and-Use design reduces deployment time from a day to an hour. The easy deployment with the RG6 reduces programming time by 70%. It also comes with adjustable grip width (up to 150 mm) and grip force as well as grip detection.

Highlights

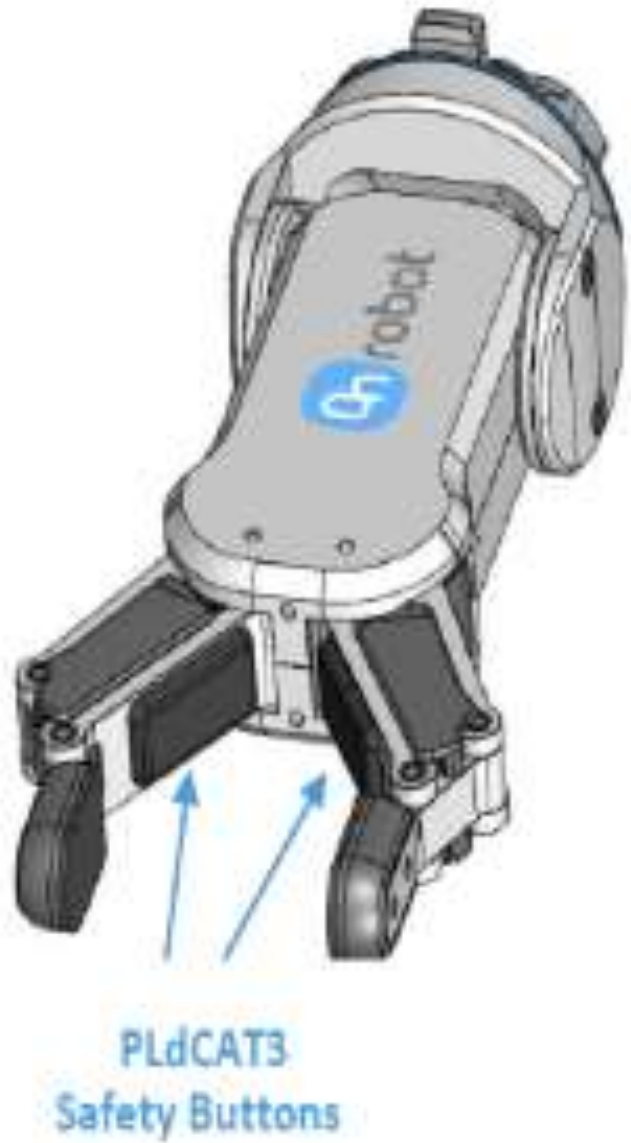
- Fully Electric Gripper
- ≤ 10 kg Payload (Form Fit)
- 25 – 120 N Gripping Force
- Grip & Grip Loss Detection
- Gripper Position -90° - $+90^\circ$
- Custom Finger Tips Possible
- Safety Buttons to Prevent Damage



Specification: RG6



Payload force fit [kg]	max. 6
Payload form fit [kg]	max. 10
Total stroke - adjustable [mm]	160
Grip width range [mm]	0 - 150
Gripping force [N]	25 - 120
Gripping speed [mm/s]	51 - 160
Gripping time [s]	0,05 - 0,15
IP Classification	IP54
Dimensions [mm]	262 x 212 x 42
Weight [kg]	1.25
Calc. life time [hours]	30 000





Dual-RG6

07



Dual-RG6: 2x Two Finger Gripper 6 kg

The Dual-RG6 comes with all the benefits of a single RG6 and adds additional ones.

Cycle times for applications with an identical pick and place position can be dramatically reduced.

The brackets to adjust the gripper position from -90° & to 90° allow it to use the Dual-RG6 also in tighter work spaces.



Highlights

- 2 Fully Electric Gripper
- Gripper Position -90° - $+90^\circ$
- Reduce Cycle Times dramatically



SG

08

qh robot



SG: Soft Gripper

The SG is a certified food-grade soft gripper for food and beverage, cosmetics, and pharmaceuticals automation. It easily handles a wide array of irregular shapes & sizes as well as delicate objects with its flexible silicon-molded tool part. You can safely handle fragile and delicate objects for higher production quality and reduced waste. It has no external air supply which means no dust, no noise, no complexity, and no additional costs.

Highlights

- Fully Electric Gripper
- Certified Food Grade Silicon
- Soft Touch for Fragile Objects
- Handles Irregular Shaped Objects
- Size-Adaptive Gripping
- Dishwasher-Safe Tool parts
- 3 Different Tool Part Types Available

Specification: SG



Total spindle stroke [mm]	11-40
Spindle force [N]	380
Spindle speed [mm/s]	37
IP Classification	IP67
Dimensions - H x Ø [mm]	84 x Ø98
Weight [kg]	0.77
Calc. life time [hours]	30 000



09

On robot



SG-a-S/H // SG-b-H

Soft Gripper Tool Parts: SG-a-S/H // SG-b-H

The SG Tool Parts are all certified food-grade for food and beverage, cosmetics, and pharmaceuticals automation.

Depending on the size, consistency and shape, you can choose the right tool part out of 3 different types.

For easy maintenance, all silicone tool parts are dishwasher safe.

Highlights

- Certified Food Grade Silicon
- Soft Touch for Fragile Objects
- Handles Irregular Shaped Objects
- Size-Adaptive Gripping
- Dishwasher-Safe
- 3 Different Tool Part Types Available



Specification: SG-a-S/H // SG-b-H



Model	SG-a-S / H	SG-b-H
Max payload SG-a/b-H [kg]	max. 2.2	max. 1.1
Max payload SG-a-S [kg]	max. 1.5	-
Gripping time [grips/min]	max. 32	
Grip dimension A [mm]	11 - 75	24 - 118
Grip depth B [mm]	38	40
Soft Part C (SG-a-S) [mm]	16	-
Weight [kg]	0.168	0.172
Dimensions [mm]	76 x Ø112	77 x Ø109
Material	Two-component silicone rubber	
Food approval	FDA 21 CFR 177.2600* & EC 1935/2004	
Operation cycles	2 000 000+	
Washable	Dishwasher-Safe	

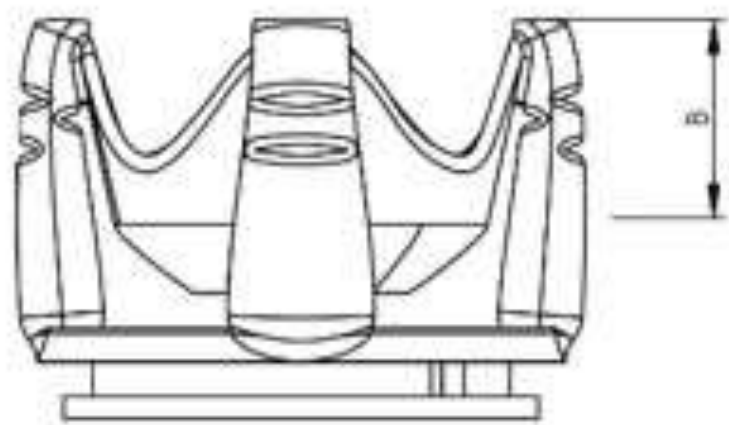
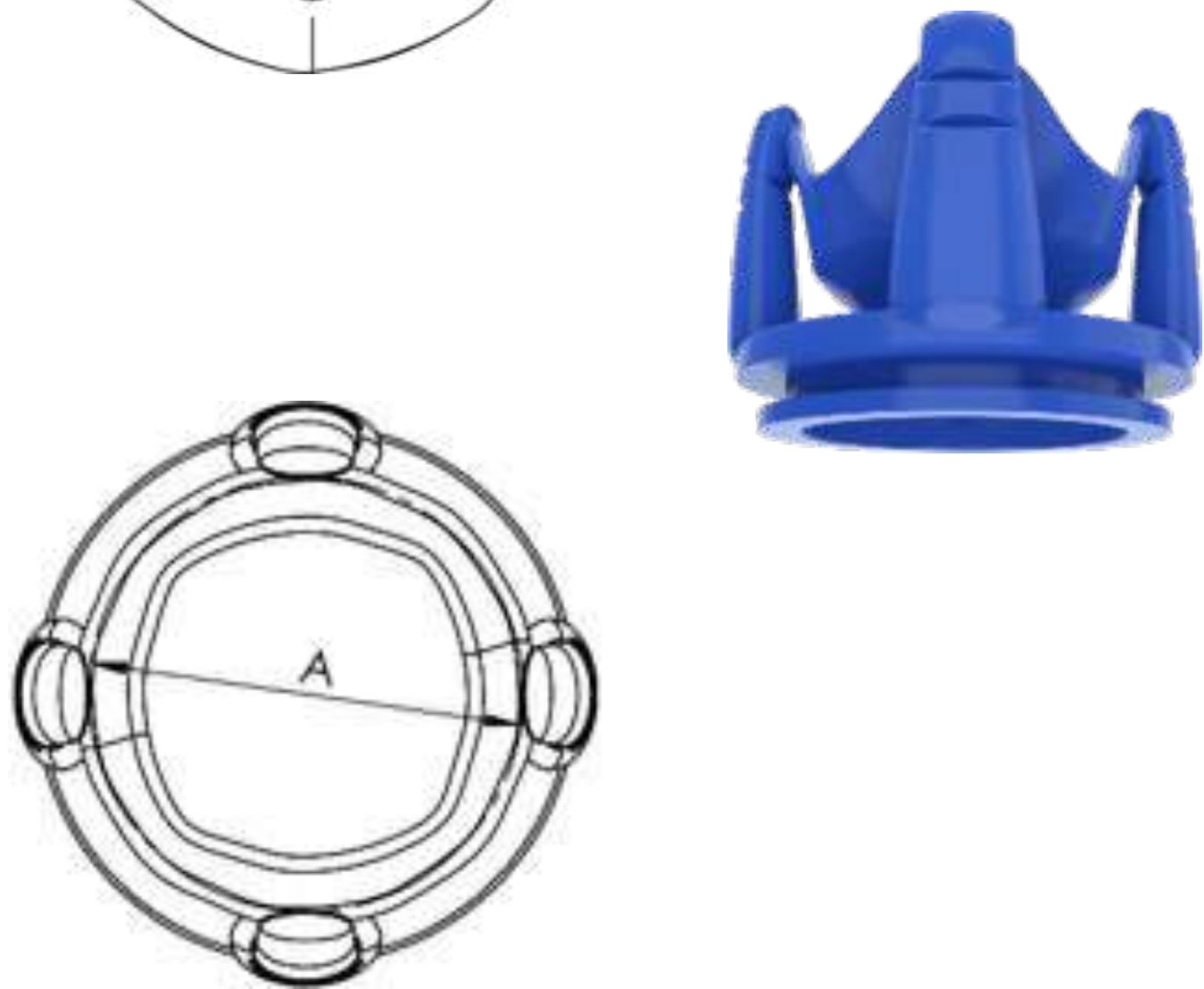
SG-a-H – Hard Skirt



SG-a-S – Soft Skirt



SG-b-H – 4 Finger





10

robot



SPx: Gecko Gripper

The compact, lightweight Gecko Single Pad Gripper requires no cables, electricity, air, nor programming for cost-effective, Plug'n'Use performance.

It's an innovative adhesive gripper for flat, smooth, or perforated objects, for which automated tasks were previously not possible. Micro-scale hairs stick into the surface of the object by molecular adhesion.

The result: No-mark gripping even for shiny surfaces. A cleaning step is not required, saving time and improving productivity.

Highlights

- No Electrical Connection Required
- Gripper Actuation without Signals
- No Marks even on Shiny Surfaces
- Micro-Scale Hairs grip by Molecular Adhesion
- Plug'n'Use in less than 10 Minutes

Specification: SP1 / SP2 / SP3



Model	SP1	SP3	SP5
Max. Payload [kg]	1	3	5
Preload [N]	3 - 11	8 - 32	12 - 46
Detachment time [ms]	100 - 1000		
Hold workpiece if power loss?	Yes (for days if well centered)		
IP Classification	IP42		
Dimensions [mm]	69 x 71		
Weight [kg]	0.267	0.297	0.318
Change-out interval [cycles]	~200 000		
Spring lifetime [cycles]	1 000 000+		

SP1



SP2



SP3



Easy Pad-Replacement



Sander

11

robot



Sander

The Sander is easy to deploy and program right out of the box for sanding, buffing and polishing. It's a fully electric tool (no compressed air) which boosts efficiency and control. The package includes everything needed for immediate use on a range of parts and materials.

The fast, automated Sanding Grit Changer (not included) reduces downtime and labor involvement. The sander is compatible with 3rd party standard sanding discs.

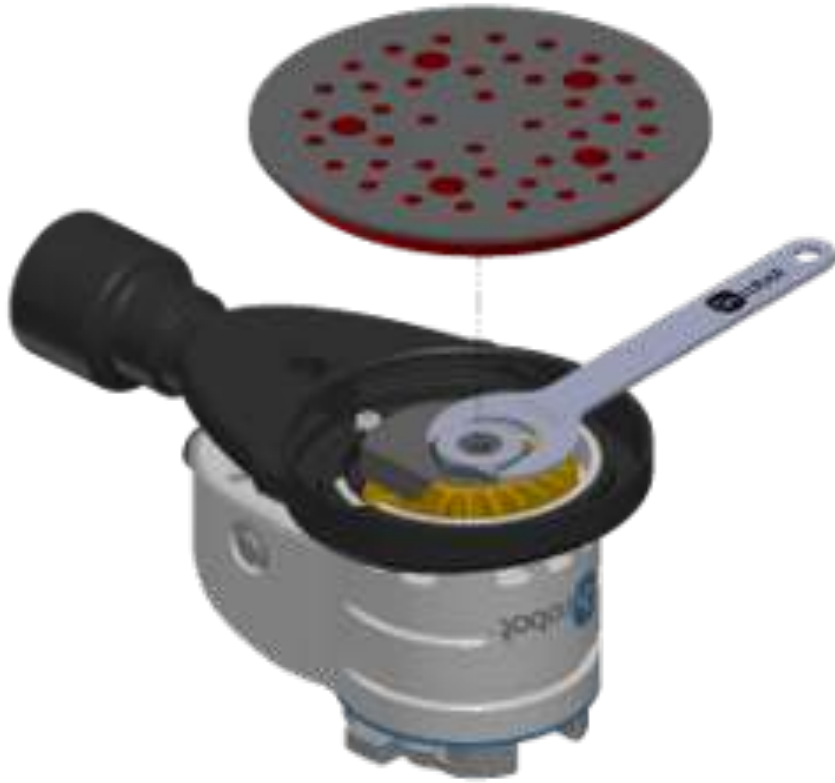
Highlights

- Fully Electric Sander
- No Air-Supply Needed
- All Needed Accessories Included
- Automated Sanding Grit Changer Available
- Standard Pad Size & Vacuum Hose
- For Sanding, Grinding and Polishing
- Included: 1x Polishing Pad & each 2x Grit 80 / 120 / 220 / 240

Specification: Sander



Pad diameter [mm]	Ø127
Pad height [mm]	9.5
Orbit size [mm]	5
Rotation speed [1/min]	1 000 - 10 000
Pad type (3M: 20353)	Clean Sanding Disc Pad
Pad media type	Hookit™
Pad weight [kg]	0.1
Weight - with pad [kg]	1.2
IP Classification	IP54
Dimensions [mm]	87 x 123 x 214
Noise level at 10 000 / 3 000 1/min [dB]	74 / 44



Pad replacement

Including Power Supply & Wrench for Pad Replacement



Screwdriver

12

qh robot



Screwdriver

The Screwdriver is versatile and flexible, with fast changeovers for a wide range of screw sizes and lengths. It offers easy out-of-the-box setup, programming, and deployment. It ensures quality and consistency by precise torque control and intelligent error detection. The embedded axis motion control simplifies programming, speeds up setup and improves quality. Built-in protection functions withdraw screws up to 30mm inside the screwdriver when moving.

Highlights

- Fully Electric Screwdriver
- High Precision Torque and Force
- Screw without Moving the Robot
- Safety Function to Cover the Screw
- Mechanical & Software Security to Protect the Work Piece
- ESD-Safe for Handling Electronics

Specification: Screwdriver



Torque range [Nm]	0,15 - 5
Output speed [1/min]	340
Screw length within full safety [mm]	35
IP Classification	IP54
ESD Safe	Yes
Dimensions [mm]	308 x 86 x 114
Weight [kg]	2.5
Calc. life time [hours]	30,000
Supported Screws	
Metric	
Material type	Magnetic
Screw length [mm]	Up to 50 (thread length: 35)
Head type	Cylinder / Counter Sunk / Button Head
Thread Size*	M1,6 - M6
US Standard	
Material type	Magnetic
Screw length [inch]	Up to 1.96 (thread length: 1.37)
Head type	Cylinder / Counter Sunk / Button Head
Thread Size*	1# - 12# & 1/4"

* depending on head type



Screw Feeder
- not included -



Accessory Kit
- not included -



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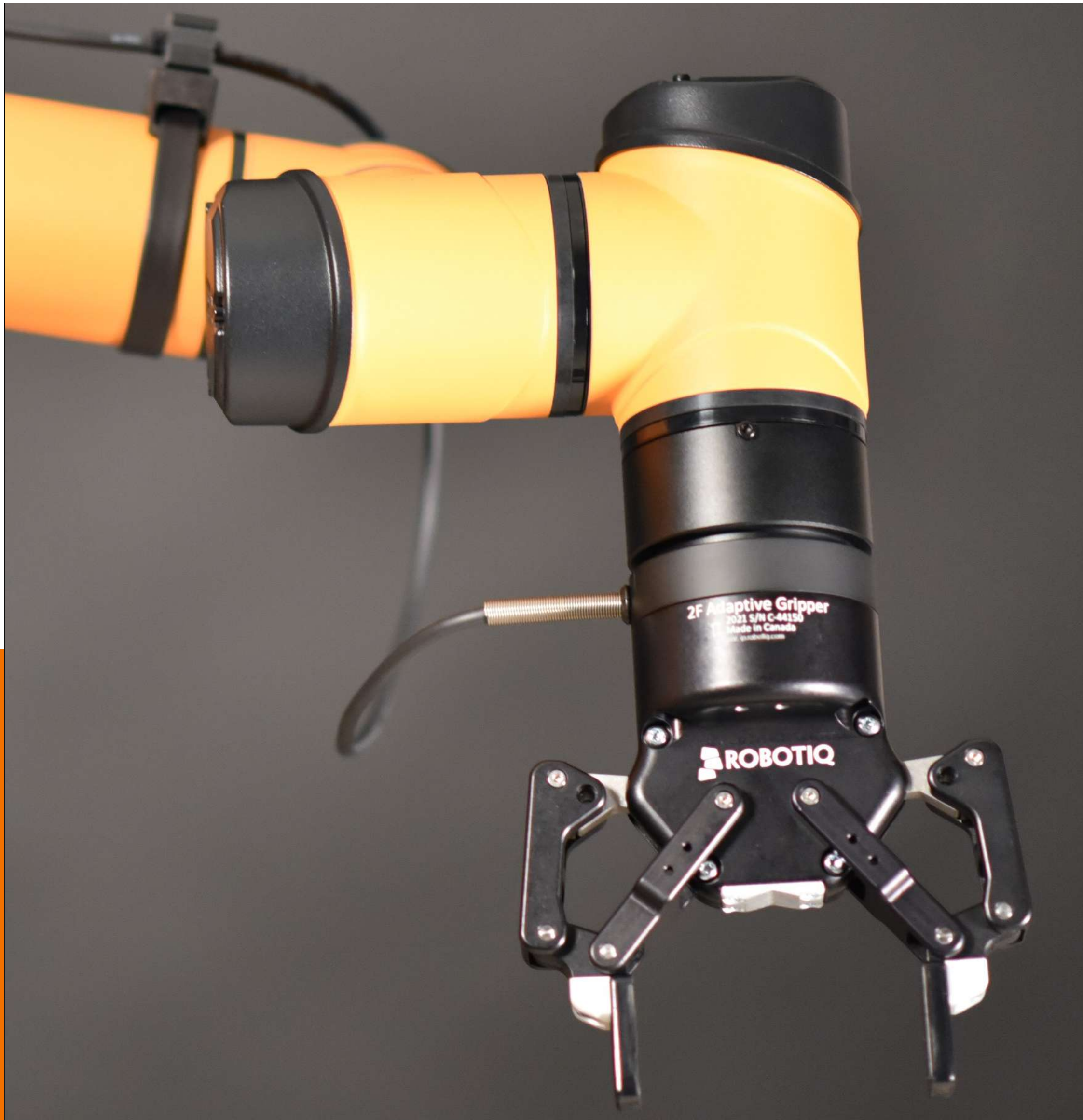
Robotiq's tools and know-how simplify collaborative robot applications, so factories can start production faster. The Plug'n'Use components and end-of-arm tooling come with multiple customising options to suit your application perfectly.

Highlights

- Fully electrical tools available, even the vacuum grippers
- One-Stop-Supplier for collaborative robot applications

With the smart accessories, you can find the right setup for your application from simple to challenging tasks. We are here to answer all questions to find your solution.

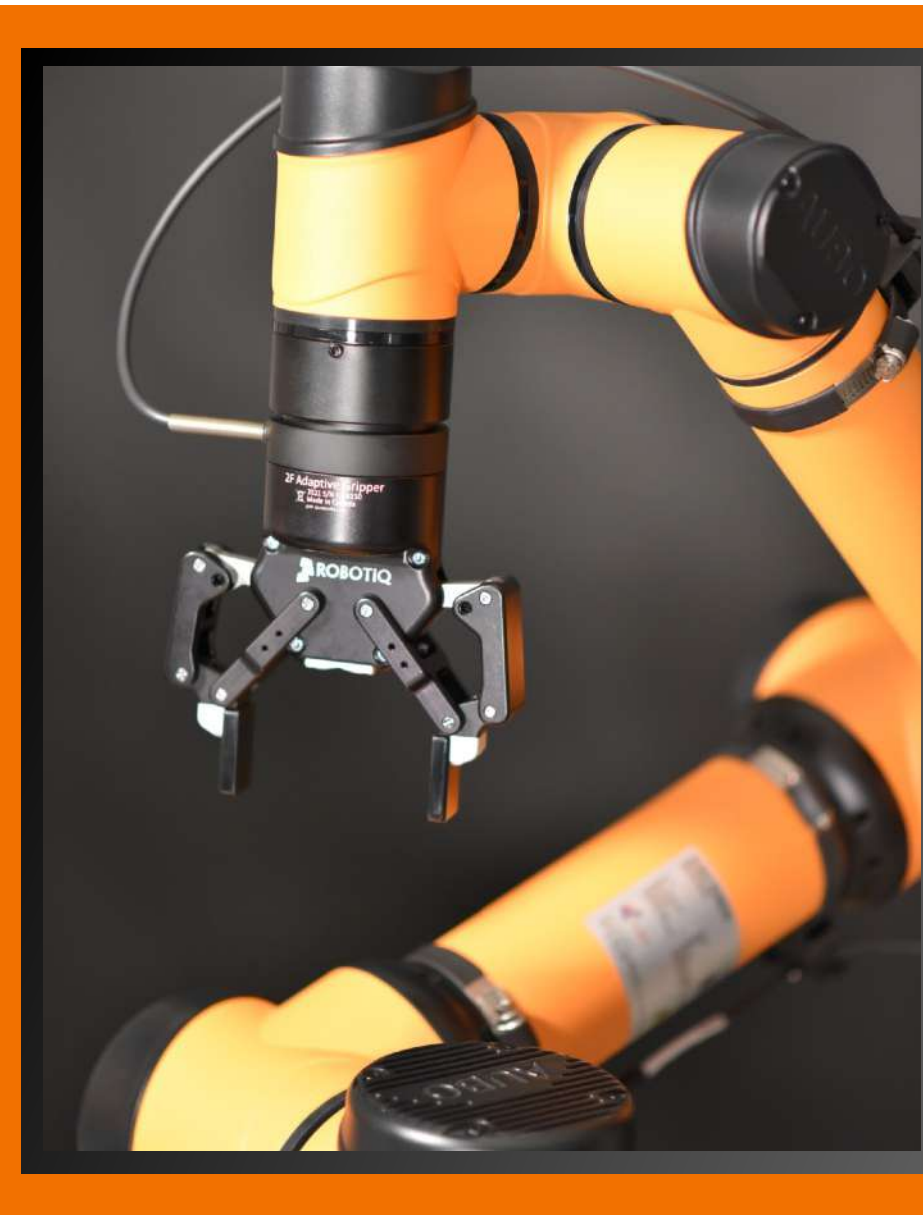




2F85

13

ROBOTIQ



2F85: Two Finger Adaptive Gripper - 85 mm

The 2F85 is a flexible gripper that can be used for a wide range of part sizes and shapes. Its payload for force fit is up to 5 kg and it can encompass round parts.

The Plug-N-Use design reduces deployment and programming time significantly. It also comes with adjustable grip width (up to 85 mm) and grip force.

The 2F85 can be used for internal and external gripping tasks.

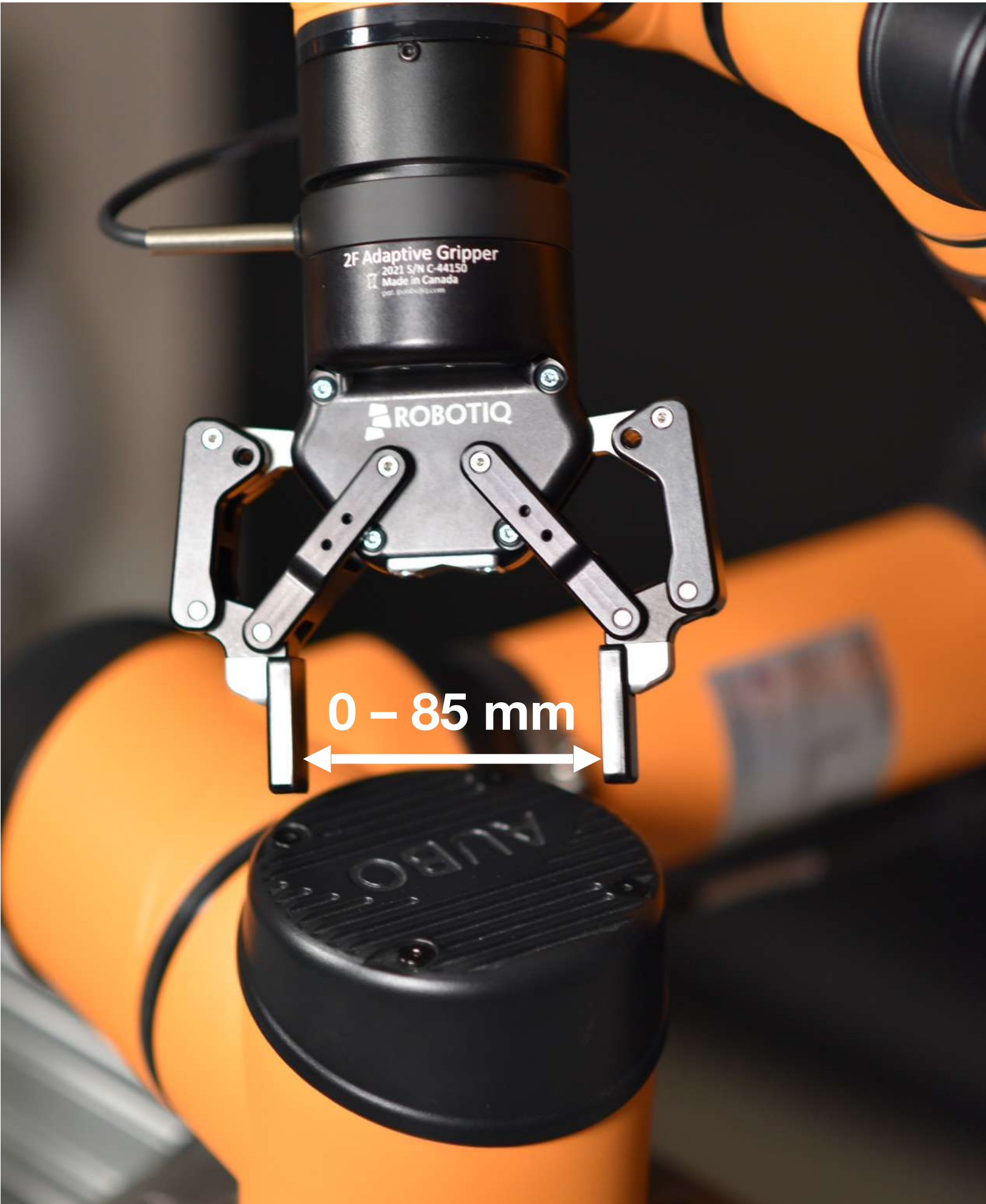
Highlights

- Fully Electric Gripper
- ≤ 5 kg Payload
- 20 – 235 N Gripping Force
- Internal & External Grip Possible
- Custom Finger Tips Possible
- Encompassing Grip Mode
- Setup directly in AUBOPE

Specification: 2F85



Payload force fit [kg]	max. 5
Payload form fit [kg]	max. 5
Total stroke - adjustable [mm]	85
Gripping force [N]	20 - 235
Gripping speed [mm/s]	20 - 150
IP Classification	IP40
Dimensions [mm]	149.3 x 152.4 x 35
Weight [kg]	925





2F140

14



2F140: Two Finger Adaptive Gripper - 140 mm

The 2F140 is a flexible gripper that can be used for a wide range of part sizes and shapes. Its payload for force fit is up to 2.5 kg and it can encompass round parts.

The Plug-N-Use design reduces deployment and programming time significantly. It also comes with adjustable grip width (up to 140 mm) and grip force.

The 2F140 can be used for internal and external gripping tasks.

Highlights

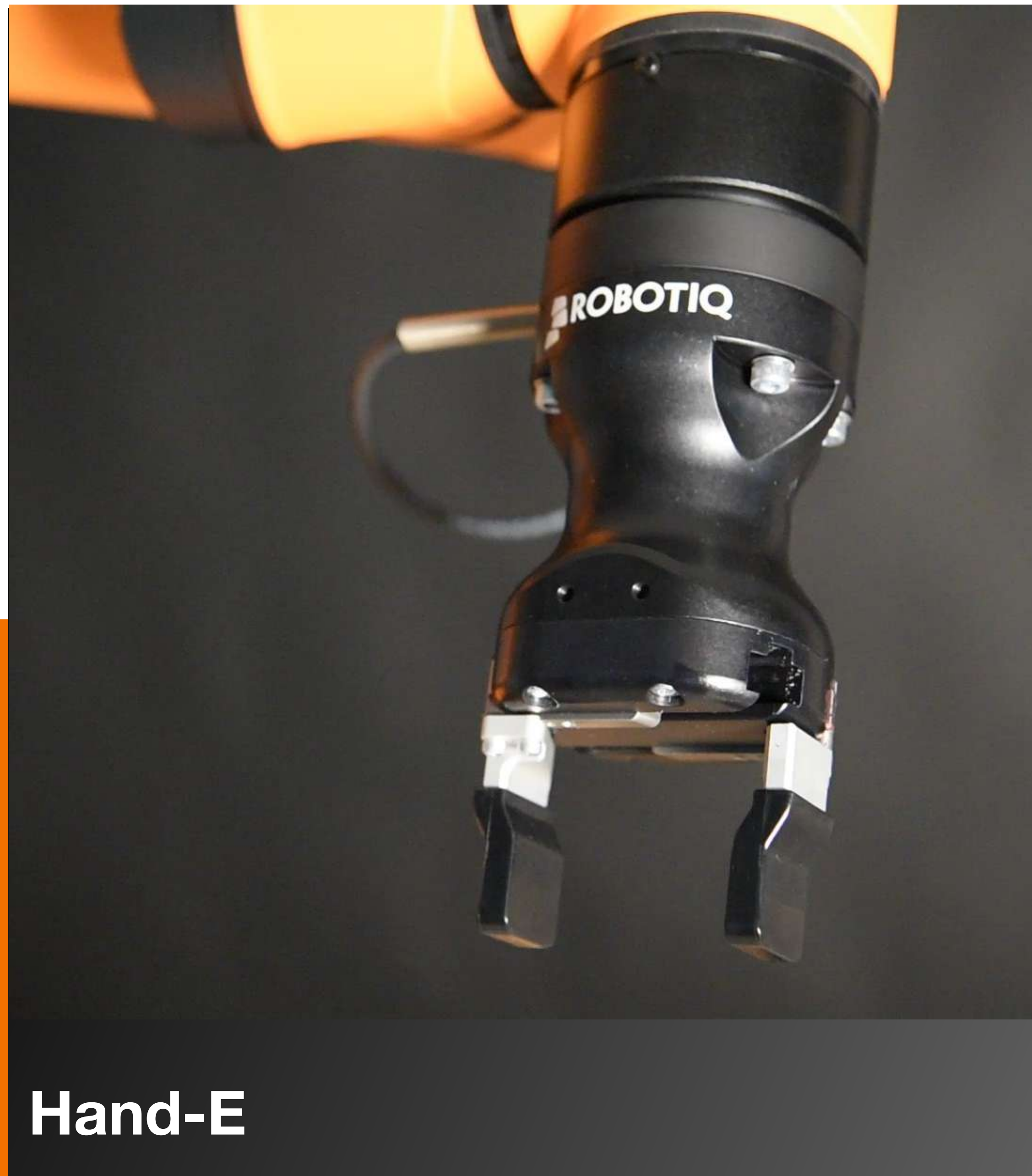
- Fully Electric Gripper
- ≤ 2.5 kg Payload
- 10 – 125 N Gripping Force
- Internal & External Grip Possible
- Custom Finger Tips Possible
- Encompassing Grip Mode
- Setup directly in AUBOPE

Specification: 2F140



Payload force fit [kg]	max. 2.5
Payload form fit [kg]	max. 2.5
Total stroke - adjustable [mm]	140
Gripping force [N]	10 - 125
Gripping speed [mm/s]	30 - 250
IP Classification	IP40
Dimensions [mm]	209.7 x 207 x 35
Weight [kg]	1.025





Hand-E

15



Hand-E: Two Finger Parallel Gripper - 50 mm

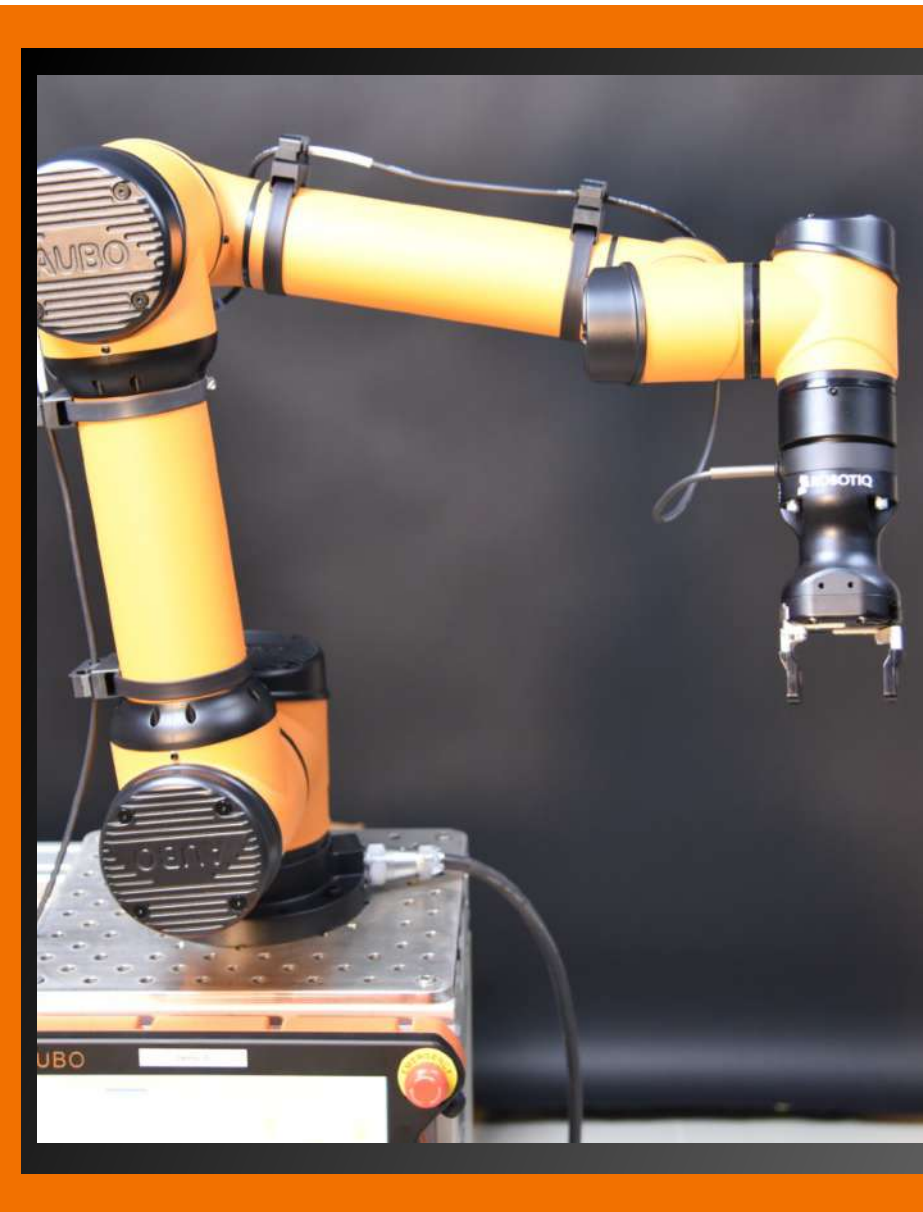
The Hand-E is a flexible parallel gripper that can be used for a wide range of part sizes and shapes. Its payload for form fit is up to 5 kg.

The Plug-N-Use design reduces deployment and programming time significantly. It also comes with adjustable grip width (up to 50 mm) and grip force.

The Hand-E can be used for internal and external gripping tasks.

Highlights

- Fully Electric Gripper
- ≤ 5 kg Payload (Form Fit)
- 25 – 120 N Gripping Force
- Internal & External Grip Possible
- Parallel Grip Movement
- Custom Finger Tips Possible
- Setup directly in AUBOPE



Specification: Hand-E



Payload force fit [kg]	max. 3
Payload form fit [kg]	max. 5
Total stroke - adjustable [mm]	50
Gripping force [N]	20 - 185
Gripping speed [mm/s]	20 - 150
IP Classification	IP67
Dimensions [mm]	146 x Ø75
Weight [kg]	1.07





EPick

16

 **ROBOTIQ**

EPick: Electric Vacuum Gripper - ≤16 kg

The EPick is a flexible electric vacuum gripper with unlimited customization possibilities. It is perfect for tight spaces as it is small and lightweight. Still it has plenty of power for objects up to 16 kg when using 4 suction cups.

There is no external air supply needed which reduces maintenance costs and speeds up deployment. The ability to add adapter plates allow to fit highly specific application needs.



Highlights

- Fully Electric Vacuum Gripper
- Compact and Powerful
- ≤16 kg Payload with 4 suction cups
- Adapter Plate Possible

Specification: EPick



Vacuum Level [%]	max. 80
Payload [kg]	4.5 (per suction cup) / max. 16
Vacuum cups [pcs]	1 (multiple with adapter plate)
Gripping time [s]	0.15
Releasing time [s]	0.18
Vacuum pump	Integrated, electric vacuum pump
Dust filters	Integrated 200µm
IP Classification	IP4x
Dimensions [mm]	102.3 x 83 x 62
Weight [kg]	788





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Zimmer

HRC-03 56

Zimmer tools are fully electric and do not rely on compressed air at all. With the standardized finger grippers, you can flexibly and quickly deploy applications like assembly, pick and place, machine tending, testing and more.

Highlights

- Fully electrical tools
- Connect directly with the Tool I/O

With the smart accessories, you can find the right setup for your application from simple to challenging tasks. We are here to answer all questions to find your solution.





HRC-03

17

ZIMMER
group

HRC-03: Two Finger Parallel Gripper

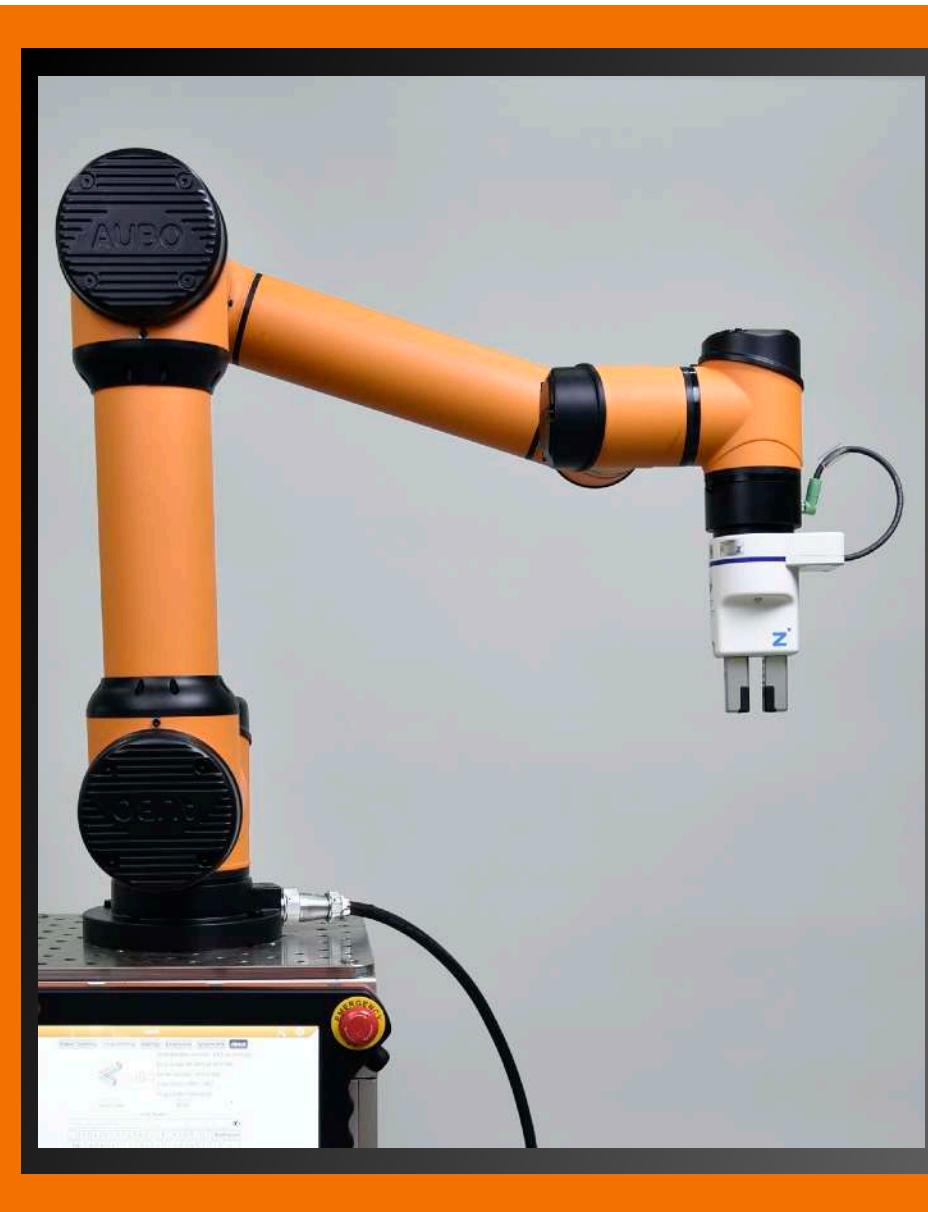
The HRC-03 is a flexible parallel gripper that can be used for a wide range of part sizes and shapes. Its gripping force is up to 190 N.

The Plug-N-Use design reduces deployment and programming time significantly. The finger tips are customisable to fit different grip width to utilise the 10 mm stroke per jaw.

The HRC-03 can be used for internal and external gripping tasks.

Highlights

- Fully Electric Gripper
- ≤ 190 N Gripping Force
- Internal & External Grip Possible
- Custom Finger Tips Possible
- Connected through Tool I/O
- Setup directly in AUBOPE



Specification: HRC-03



Total stroke per jaw [mm]	10
Gripping force [N]	max. 190
IP Classification	IP40
Dimensions [mm]	135.4 x 70 x 16
Weight [kg]	0.7
Maintenance Interval [cycles]	10 000 000





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2021 Catalogue

Accessories

gerenga

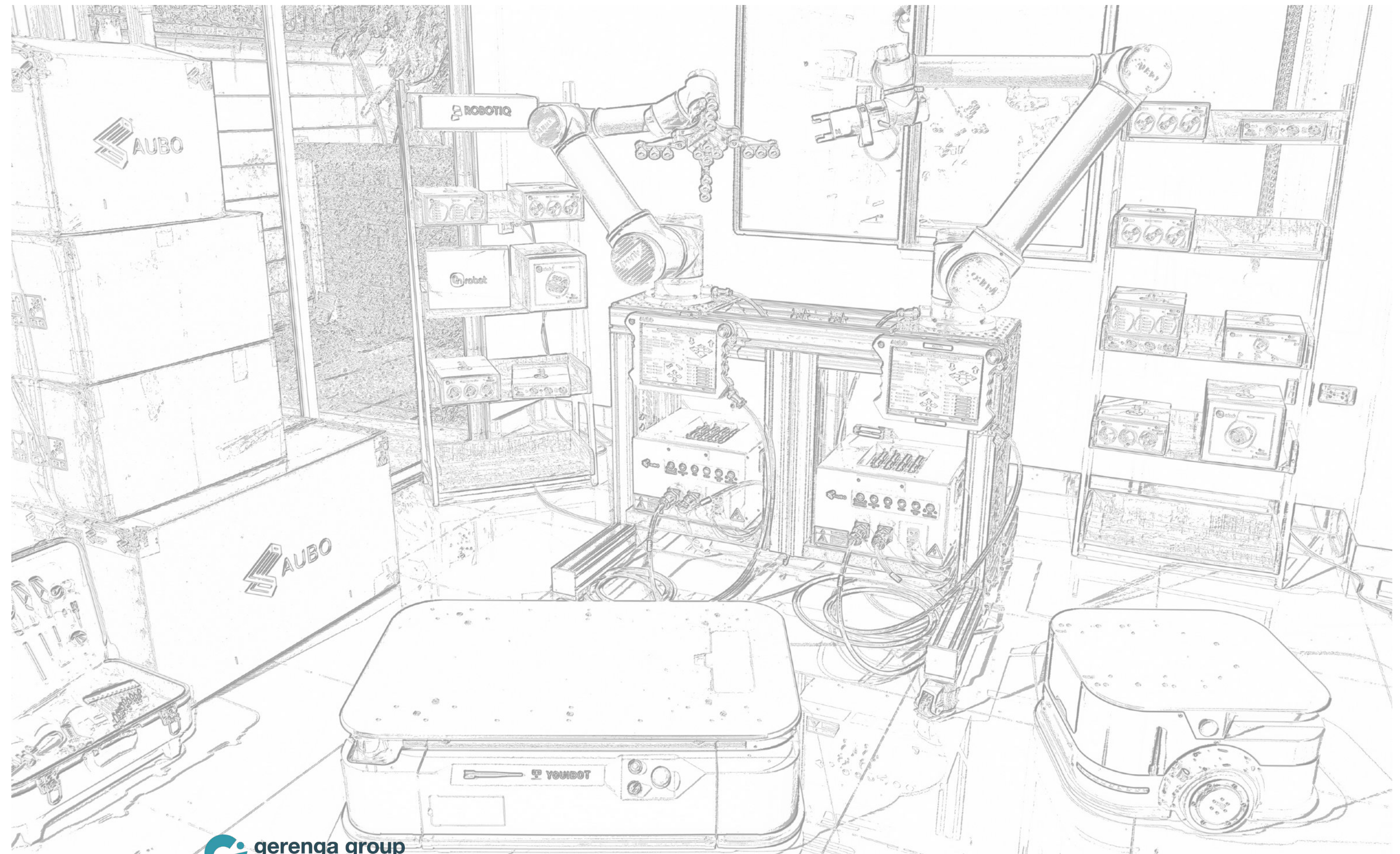
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gerenga offers a wide range of accessories for your collaborative robot as well as everything required for your application.
With over 7 years of cobot experience, gerenga is your trusted first choice partner.

Highlights

- Smart Accessories for your collaborative robot
- Ready-to-Use Training Stations
- Customized Training Stations

With the smart accessories, you can find the right setup for your application from simple to challenging tasks. We are here to consult you and answer all questions to find your solution.





18

Cable Clamps

The easy to mount cable clamps are the safe solution to guide your cables along your AUBO collaborative robot. Each clamp has 2 cable guides available in different sizes to match your needs.



Highlights

- Safe Guidance of Cables
- 2 Cable Guides per Clamp
- Easy to Mount
- Different Cable Guide Sizes



19

Robot Suits

The Robot Suit protects your AUBO collaborative robot against dust and aerosols. Therefore, it reduces maintenance and keeps your cobot in a good shape.

There are sizes available for each model to have a perfect fit.



Highlights

- Protection Against Dust & Aerosols
- Reduces Maintenance
- Perfect Fit for Every i-series Model



20

Customizable Training-Station



Customizable Training-Station

The customizable training station can be used for a variety of applications. You can choose to set up your training by yourself or to use our service.

As the training station is mobile, you can utilize it in your showroom and also on-site for your sales pitch.

The smart storage space keeps a clean look and allows you to bring along a variety of accessories.

Highlights

- Fully Customizable
- For a Variety of Applications
- Suitable for i3 and i5
- Hidden Control Box on a Retractable Slider
- Storage Space for Accessories
- Available in Colours Black and Silver

PCB Training-Station

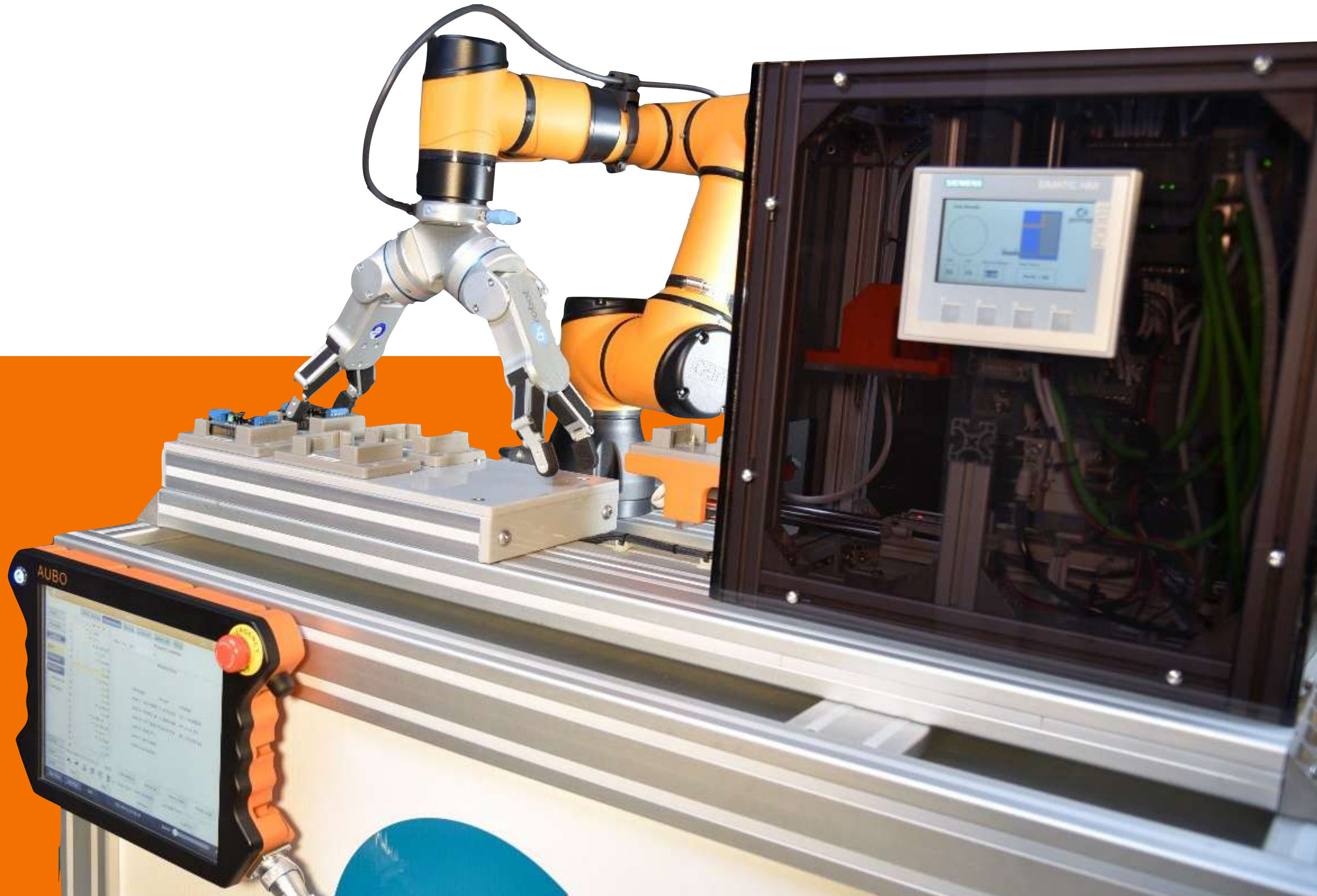
The AUBO cobot moves the untested PCB boards from 2 incoming trays into the tester. After testing, the PCB board will be loaded to a passed or rejected tray depending on the test result. For high tester utilization, the loading of the tester has priority when it is available.

Used products:

- AUBO i3 (p. 7)
- OnRobot Dual-RG2 (p. 30)
- Customizable Training-Station (p. 62)

Highlights

- Pick and Place based on Occupancy of Trays
- Optimization of Tester Utilization
- Use of Dual Gripper for Higher Efficiency and Shorter Cycle Times





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