



## The first sidebot ever

Fantastic combination of industrial robot's performance and typical cobot's versatility. Wyzo, the first sidebot in the world, integrates incredibly with your production teams.

In no time, Wyzo learns a new task and quickly moves to another workstation.

The world's first high-speed pick & place technology able to work with your production team.

## Get to know Wyzo

With its safe control system, Wyzo handles **high-speed products** side-by-side with humans.

The sidebot stops automatically on contact, and thanks to the **integrated safety sensors**, it even reaches full speed in the absence of humans. Wyzo moves from one workplace to another very quickly. The **intuitive interface** makes the learning of new tasks easy for everyone. In no time, Wyzo locates products with a **smart camera** and grabs them on moving conveyors.

The **standard tool holder** allows the adoption of the most suitable gripper.

### Specifications

<b>Typical output</b>	Up to 90 cycles/min with a payload of 0.5kg	<b>I/O End of arm tool</b>	Flange ISO 9409-1-50-4-M6 Wyzo quick magnetic connector <u>Pneumatic</u> : built-in valves for vacuum or mechanical gripper - 6 bars, vacuum pump as option <u>Electrical</u> : 2 digital in / 2 digital out / 2 analog in 24V DC 2A with M8-8 pins connector
<b>Payload</b>	0.5 kg Up to 1.0 kg with limited performance	<b>Average power</b>	0.345 kW for a standard cycle with a payload of 0.5 kg
<b>Max TCP speed</b>	2'500 mm/s	<b>Rated voltage</b>	230V/50Hz (Europe) or 110V/60Hz (North America) or 3x400V/50Hz (3 phases) also possible
<b>Max TCP acceleration</b>	40'000 mm/s <sup>2</sup>	<b>Protection class</b>	IP 52
<b>Conveyor tracking</b>	Up to 600 mm/s	<b>Operating conditions</b>	5°C – 40°C 80% relative humidity
<b>Number of axis</b>	4	<b>Safety</b>	Safe speed, safe position & max safe torque control. 2 integrated safety scanners
<b>Footprint</b>	0.45 m <sup>2</sup>	<b>Collaborative standards</b>	ISO 13849-1 PLd, Cat. 3
<b>Total height</b>	1'800 mm	<b>Directives</b>	Machine directive 2006/42/EC EMC directive 2014/30/EU
<b>Total weight</b>	550 kg		
<b>Working volume</b>	Diameter 850 mm and 380 mm high To pick/place on conveyor from 650 to 1000 mm high		
<b>Noise level</b>	< 65 db		
<b>Communication</b>	1 Ethercat port for real-time communication 1 Ethernet port 1 Industrial gateway with 4G LTE cellular and Wi-Fi 802.11b/g/h		
<b>Vision</b>	Optional 2 built-in color smart cameras or 2 external 3rd party cameras		
<b>Mobile terminal</b>	Multitouch screen with 10" display Windows 10 IoT Enterprise Enabling switch 3 positions Emergency-stop button Key switch		

Dimensions (unit : mm)

