



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

Typical output	Up to 80 cycles/min with a payload of 0.5kg
Payload	0.5 kg Up to 1.0 kg with limited performance
Max TCP speed	2'500 mm/s
Max TCP acceleration	40'000 mm/s ²
Conveyor tracking	Up to 600 mm/s
Number of axis	4
Footprint	0.45 m ²
Total height	1'800 mm
Total weight	550 kg
Working volume	Diameter 850 mm and 370 mm high To pick/place on conveyor from 650 to 1000 mm high
Noise level	< 65 db
Communication	1 Ethercat port for real-time communication 1 Ethernet port 1 Industrial gateway with 4G LTE cellular and Wi-Fi 802.11b/g/h
Vision	Optional 2 built-in color smart cameras or 2 external 3rd party cameras
Mobile terminal	Multitouch screen with 10" display Windows 10 IoT Enterprise Enabling switch 3 positions Emergency-stop button Key switch

I/O End of arm tool	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
Average power	0.345 kW for a standard cycle with a payload of 0.5 kg.
Rated voltage	230V/50Hz (Europe) or 110V/60Hz (North America) or 3x400V/50Hz (3 phases) also possible
Protection class	IP 52
Operating conditions	5°C – 40°C 80% relative humidity
Safety	Safe speed, safe position & max safe torque control. 2 integrated safety scanners
Collaborative standards	ISO 13849-1 PLd, Cat. 3
Directives	Machine directive 2006/42/EC EMC directive 2014/30/EU

Dimensions (unit : mm)

