



YUMII ABB

At only 38 kg and approximately the size of a small human, YuMi® is quickly and easily installed on the production line to work hand-in-hand with a human colleague. Lead-through programming means YuMi® can be taught a process by being physically guided through it, eliminating the need for complex, time-consuming code-based instruction.

- Can operate equally effectively side-by-side or face-to-face with human coworkers.
- Servo grippers (the “hands”) include options for built-in cameras
- Real-time algorithms set a collision-free path for each arm customized for the required task.
- Padding protects coworkers in high-risk areas by absorbing force if contact is made.
- If the robot encounters an unexpected object – even a slight contact with a coworker – it can pause its motion within milliseconds, and the motion can be restarted again as easily as pressing play on a remote control.
- Pinch points have been eliminated or minimized to an acceptable level between moving parts, and between moving and stationary parts.



Key Features

- Workspace radius 560mm
- Programmable through Ethernet IP, Profibus, USB ports, DeviceNet™, communication port
- Load capacity 500g in the whole workspace

Possible Applications

- Manufacturing tasks: polishing, grinding, assembly, etc.

Access information

Corresponding infrastructure	Commissariat à l'Energie Atomique Interactive Robotics Lab
Location	Plateau de Saclay, Boulevard Thomas Gobert, 91120 Palaiseau, France
Unit of access	Working day



Technical specifications

Protection	IP30
Accuracy	0,02mm
Interface	Internet
Load capacity	500g
Reach	560mm
DoF	7

Additional information

<http://new.abb.com/products/robotics/industrial-robots/yumi>