

ABB YuMi - IRB 14000-0.5/0.5



YuMi is the first collaborative dual arm robot, designed to work side by side and integrated with humans. This dual arm ABB robot is ideal for small parts assembly, and is extremely safe and very accurate. With the simple human touch, the robot will stop what is doing within milliseconds. No fencing, no light curtains, no safety systems necessary. That is because all of YuMi's safety devices are built into the robot. This robot is the future of robotics and comes with the advanced ABB IRC5 controller, TrueMove and QuickMove technology, I/O interfaces include Ethernet IP, Profibus, USB ports, DeviceNet, communication port, emergency stop and air-to-hands. YuMi can work with a variety of HMI devices, includes tablets and smartphones. Its servo grippers, or "hands", have the option of built in camera, the padding on the arm makes it soft to touch, and its 100-240 volt power supply plugs into any socket worldwide.

For more information about the ABB YuMi - IRB 14000-0.5/0.5, contact a Robotworx representative today at 740-251-4312.

Robot Information

Robot Specifications

Axes:..... 7
 Payload:..... 1 kg
 H-Reach:..... 500 mm
 Repeatability: ±0.02 mm
 Robot Mass: 38 kg
 Structure: Articulated
 Mounting: Floor

Robot Motion Speed

Axis 1.....180 °/s (3.14 rad/s)
 Axis 2.....180 °/s (3.14 rad/s)
 Axis 3.....180 °/s (3.14 rad/s)
 Axis 4.....400 °/s (6.98 rad/s)
 Axis 5.....400 °/s (6.98 rad/s)
 Axis 6.....400 °/s (6.98 rad/s)

Robot Motion Range

Axis 1.....±168.5°
 Axis 2.....+43.5° - 143.5°
 Axis 3.....+80° - 123.5°
 Axis 4.....±290°
 Axis 5.....+138° - 88°
 Axis 6.....±229°

Robot Controllers

IRC5 >

Robot Applications

- 3D Laser Vision >
- Assembly >
- Collaborative >
- Material Handling >
- Order Picking >
- Pick and Place >
- Vision >