



UNTERNEHMENSGRUPPE

ABB | YuMi

DOUBLE ARM ROBOT
SAFE & EXTREMELY ACCURATE



TECHNICAL DETAILS

Robot version	IRB 14000-0.5/0.5
Max. range / working radius	500 mm
Nominal- / bearing load	500 g / arm
Number of axes	7 / arm
Hand variant	Two-fingers-servo gripper (optional additional camera and vacuum gripper)
Protection category	IP30
Product certification	ESD capability (certificate-register-no.: ESD-PZ-51024003-ABB-IRB14000)
Control	IRC 5 (integrated)
Assembly type	Worktable

MEASURES / WEIGHTS

Total floor area	399 x 496 mm
Robot foot	399 x 134 mm
Weight	38 kg

PROGRAMMING OPTIONS

Environment	ABB Rapid
Prior knowledge	No programming knowledge required Operation via ABB FlexPendant, industrial displays, tablets and smartphones

SUITABILITY

Industry segments	Electronic and technology Small parts assembly Automotive and suppliers Toy industry Watch industry
-------------------	---

SAFETY SPECIFICATIONS

Functionale safety	Performance level "b" category B
Certificate safety	From an independent appointment
Safety engineering	Is assessed in the degree of risk after S1* *non-hazardous machine

CHARACTERISTICS

Collaboratively	Close collaboration with humans possible (no barrier, no enclosure, no zones needed)
Different I/O-interfaces	ProfiNet, Ethernet/IP, Profibus, DeviceNet, USB
Repeatability	+/- 0,02 mm

ADVANTAGES

Padded double arms (multitasking)	Increase operator safety when in contact during
Closed design	Less maintenance (cable and air lines completely inside)
Integrated control	Safes footprint, no disturbing control cables on the ground
Leightweight construction	Robot is portable
Simple application	Programming by guiding
Integrated vision	Camera in the gripper of the robot, can handle unsorted parts
Extensive option for communication	Simple interfaces, not limited to one option
High speed	More prouced parts, higher productivity = high return
ESD-conformity	can handle open electronic assemblies