

ROBOTICS

IRB 260

The packing robot



Compact industrial packing robot

Designed for easy integration into packaging lines, the new machine has the ability to work close to base in order to minimize floor space. Low on weight and height, the IRB 260 fits easily into compact production cells. Speed, moreover, has been optimized for an 800x800x800 mm working envelope, making the new robot ideal for packing applications.

Running on 4-axes, it's not only dedicated to packing applications, but also ensures high throughput and flexible packing concepts. Like all ABB robots, IRB 260 can be combined with PickMaster, ABB's vision guided packaging software, and our IRC5 controller.

Accurate – consistent parts quality

The robot has best in class accuracy and superior ABB conveyor tracking performance resulting in excellent pick and place accuracy, both when working with fixed positions as well as on the fly.

Fast - short cycle times

Design, optimized for packing in combination with ABB unique motion control, ensures short cycle times.

The IRB 260 is designed and optimized primarily for packing applications. It is built to meet your reach and payload requirements whilst being small enough to fit into compact packing machines. Combined with ABB motion control and tracking performance, the robot is ideal in flexible packing systems.

Reliable - high production up time

The IRB 260 is based on IRB 2400, the world's most popular industrial robot, with a total of 14,000 installations.

Strong – maximized utilization

The robot is optimized for packing application and combines compactness and high speed with a 30 kg payload capacity.

Robust – harsh production environment

Durable in tough environments - offering a standard of IP67 protection.

Versatile – flexible integration and production

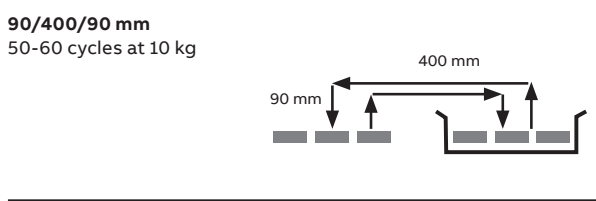
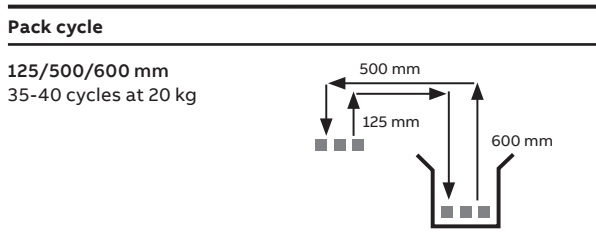
Low on weight and height, the robot easily fits into compact packing machines. With a work envelope optimized for packing applications, the robot becomes the natural choice for robot automation. The robot comes fully equipped with integrated air and signals all the way to the gripper. Combined with the ABB packaging software, PickMaster™, the robot is not only easy to integrate from a mechanical point of view but also extremely simple to program.

Specification	
Handling capacity	30 kg
Reach	1.56 m
Load offset	300 mm
Number of axes	4
Integrated signal supply	23 poles, 50V DC; 10 poles, 250V AC
Integrated air supply	1/3 inch hose, max 8 bar
IRC5 controller variants	Single cabinet, dual cabinet, panel mounted

Physical	
Total height	1493 mm
Manipulator base	723 x 600 mm
Weight	340 kg

Performance		
Axis number	Axis movements	Max. Velocity
Axis 1	+180° to -180°	153°/s
Axis 2	+85° to -28°	175°/s
Axis 3	+119° to -17°	153°/s
Axis 6	+300° to -300°	342°/s
Position repeatability	0.1 mm	

Environment	
Ambient temperature for robot manipulator	+5°C (41°F) up to +45°C (113°F)
Relative humidity	Max 95%
Noise level	Max 70 dB (A)
Degree of protection	IP67
Emission	EMC/EMI-shielded



Working range

