



IRB 660

Industrial Robot

MAIN APPLICATION

Material handling
Palletizing



- Best throughput in class by high speed and payload
- Reach covering large palletizing cells
- Integrated double air, power and fieldbus communication
- Durable even in tough environments
- IP 67

The IRB 660 is a dedicated palletizer that blends speed, reach and payload like no other robot on the market. This is an exceptionally fast 4-axis machine that combines a 3.15 meter reach with a 250 kg payload, making it ideal for palletizing bags, boxes, crates, bottles and more.

The IRB 660 is considerably faster than its predecessor. Its optimized motor power and motion performance ensure significantly shorter cycle times than competing products.

The new palletizer comes in a high-speed version capable of handling 180 kg payloads at full speed, and as a 250 kg version for high throughput.

The robot's impressive reach means it can service up to four in-feed conveyors, two pallet stacks, one slip-sheet stack and four palletizing out-feeding lines. In fact, the IRB 660 has the versatility, reach and handling capacity to meet the demands of just about any palletizing applications.

The IRB 660 has a robust design suited for palletizing. The power, signals and field bus communication up to the wrist is integrated and well protected. Furthermore, the robot's rugged design and IP 67 tightness make for steady performance in even the toughest environments. As well as ensuring those extra lengthy service intervals!

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TECHNICAL DATA, IRB 660 INDUSTRIAL ROBOT

SPECIFICATION

Robot versions	Handling capacity	Reach
IRB 660-180/3.15	180 kg	3.15 m
660-250/3.15	250 kg	3.15 m

Number of axes:	4
Protection class:	IP 67
Mounting:	Floor mounted

PERFORMANCE

Position repeatability	0.05 mm
Path repeatability	0.25 mm

Axis movements	Working range IRB 660
Axis 1 Rotation	+180° to -180° Option +220° to -220°
Axis 2 Arm	+85° to -42°
Axis 3 Arm	+120° to -20°
Axis 6 Turn	+300° to -300° Default +150 rev. to -150 rev. Max.

MAX VELOCITY

Axis no.	IRB 660-180/3.15	IRB 660-250/3.15
1	130°/s	95°/s
2	130°/s	95°/s
3	130°/s	95°/s
6	300°/s	240°/s

ELECTRICAL CONNECTIONS

Supply voltage	200-600 V, 50/60 Hz
Power consumption	ISO-Cube 2.7 kW Standard cycles 3.2 kW

PHYSICAL

Robot base	1136 x 850 mm
Weight	1650 kg

ENVIRONMENT

Ambient temperature for mechanical

During operation: 0°C to +50°C

Relative humidity Max 95%

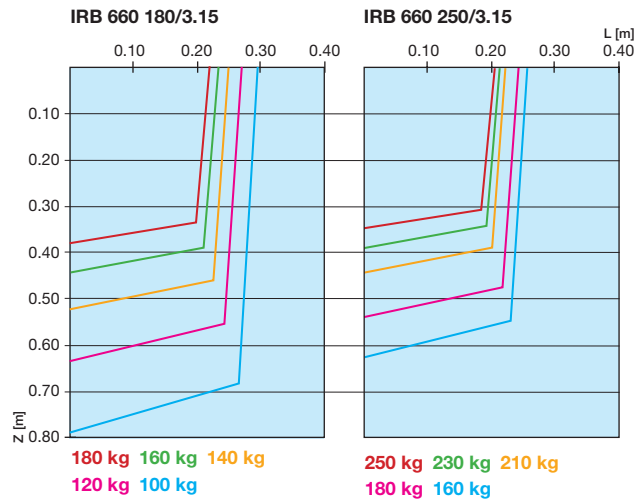
Noise level Max 73 dB (A)

Safety Double circuits with supervision, emergency stops and safety functions, 3-positions enable device.

Emission EMC/EMI-shielded

*Data and dimensions may be changed without notice.

LOAD DIAGRAM



WORKING RANGE

IRB 660-180/3.15 and IRB 660-250/3.15

