

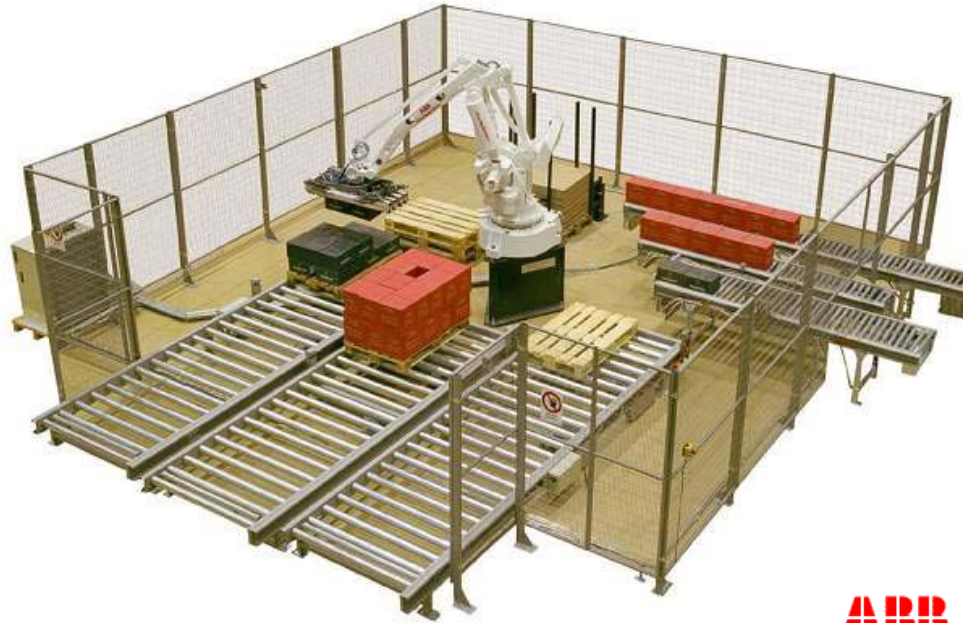
# Robotic Palletizer

**Extremely Flexible**  
**High Capacity**  
**User Friendly**

The ABB IRB 660 Robotic Case Palletizer with its 360° working envelope can manage more than 1200 cycles per hour, and deliver greatly improved performance over both long and short cycles.

This robotic palletizer is optimized for fast point-to-point movement. It features four axes, a long arm for greater reach, (3.14 m/124") and shorter cycle time to boost performance.

The IRB 660 comes in a high speed version capable of handling 180 kg (396 lb) payloads at full speed and as a 250 kg (550 lb) version for high throughput.



**ABB**

Robotic Palletizing System - Up to four infeed product conveyors, two pallet stacks, one slipsheet magazine, and four full load pallet outfeed conveyors. System shown is 3 IN/3 OUT configuration.

Easy to program, the palletizer can be adjusted quickly to handle different tasks.

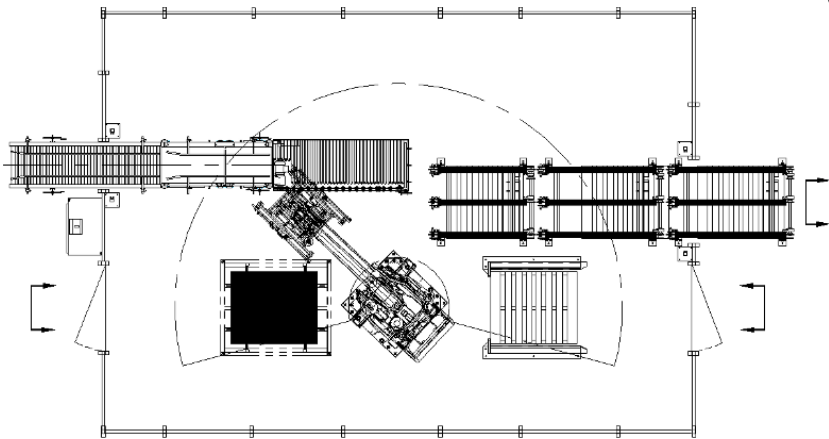
The IRB's impressive reach means it can service up to four infeed product conveyors, two pallet stacks, one slipsheet magazine, and four full load pallet outfeed conveyors.

To take full advantage of the programming software features that give the IRB 660 its high performance, the robot is of a highly robust construction based on steel castings. Each movement is controlled by energy efficient AC Servo Drives that distribute power between motors before consuming from the power supply.



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# Technical Specifications & Layout



**ABB**



## Standard Machine -

### Other machine configurations available for total flexibility.

- Layout Configurations: 1 IN / 1 OUT up to 4 IN / 4 OUT
- Production Capacity up to 1,200 Cycles Per Hour (Axis 1 – 180° or 220°/s)
- Payload Capacity up to 180 kg /250kg (396/550 lbs.) including gripper
- Maximum Load Weight = 5000 lbs.
- Maximum Load Size = 52" X 52" (add'l. options are available)
- Maximum Load Height = 117" Including pallet (depends on layout)
- Robot Weight = 1,650 kg (3,630 lbs.)
- IRC 5 Controller Weight = 180 kg (396 lbs.)
- Standard Case Infeed Elevation = 40" (add'l. options are available)
- Standard Pallet Discharge Elevation is 18" (add'l. options are available)
- Standard PLC = Allen Bradley PLC
- Standard Operator Interface through Touchscreen and Robot Teach Pendant
- Includes Online and Offline Programming Software
- IP 67 Rating (Other protection packages are available)
- Electrical Requirements: 200-600 Volt / 3 Phase /50- 60 Hz
- Control Voltage = 24 VDC Inputs / 120 VAC / Relay Outputs
- Pneumatic Requirements = 80-100 psi of Clean, Dry Air
- Temperature Range for Robot Operating Environment = 5°C (41°F) to 50°C (122°F) (other temperature protection options are available)

Top: The IRB 660 from ABB is optimized for fast point-to-point movement. Easy to program, the palletizer can be adjusted quickly to handle different tasks.  
Bottom: IRC5 Industrial Robot Controller.

Equipment Layout  
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Project Management  
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Start-up and Training Services



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