

IRB 760FX Modular Robot

Fast and flexible transfer solution for large parts



The IRB 760FX Modular Robot raises the bar in Press Automation and provides customers with total flexibility and higher productivity at greater speeds and easier programming.

15-20% faster to increase productivity

With a faster production output rate of up to 14 parts per minute (spm) in press lines, the IRB 760FX is perfectly designed for the high-speed press automation application. The use of reinforced carbon fiber in the linear axis structure delivers exceptional rigidity and a considerable reduction on weight. The result is a 15-20% faster press automation robot with unique repeatability, load capacity and flexibility.

Modular Design for the highest flexibility

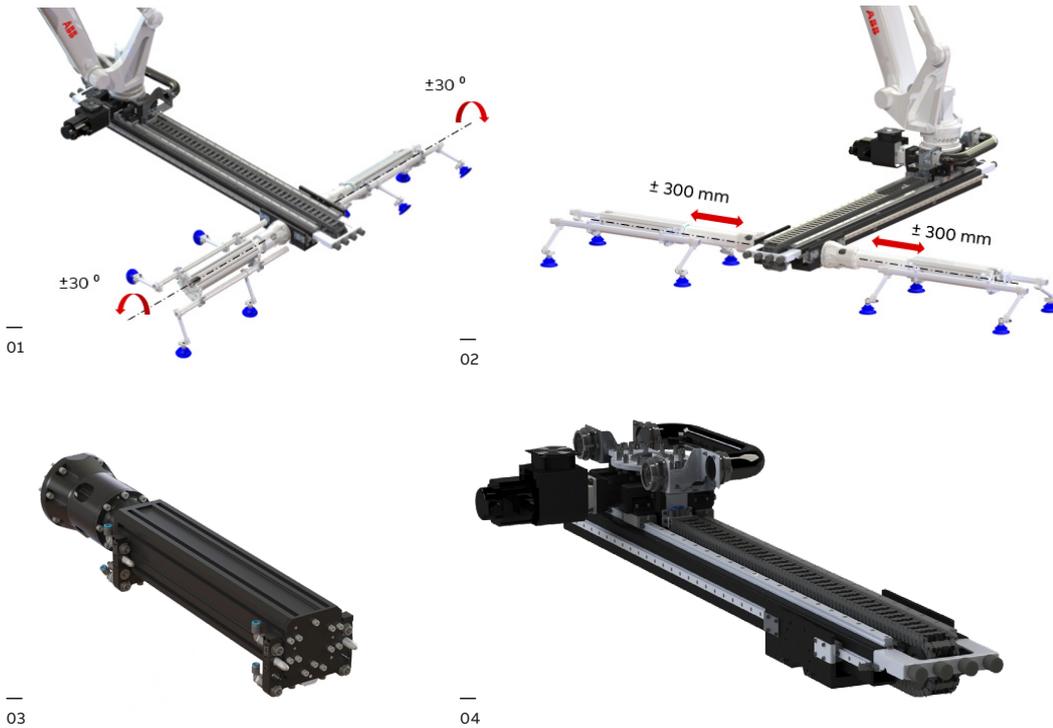
The IRB 760FX has a modular design and is able to integrate up to 9 independent axes, by incorporating two servo Tilting modules and two servo Side Shifting Modules which grants the flexibility needed in those press automation applications with large and medium size panels and special processes such as part reorientation, tilting ($\pm 30^\circ$) and part separation (± 300 mm).

Fully Automatic Tool Change (ATC)

The IRB 760FX is enabled for fast Automatic Tool Change (ATC) reducing the non-productive time. The ATC can be performed in both the inter-press floor area and in the bolster with the crossbar embarked together with the die.

Easy Programming StampWare

IRB 760FX runs on the well-established StampWare and is designed to facilitate interaction between operator and press automation. Available on the robot FlexPendant for maximum simplicity, flexibility and cost effectiveness, StampWare includes a graphical programming wizard that decrease the time for training that the operator and robot programmer need. As a result, production is more efficient during installation, production set-up and optimization of the robot cycle.



- 01 IRB760FX with Tilting Crossbar
- 02 IRB760FX with Tilting + Side Shifting Crossbar
- 03 IRB760FX Modular Crossbar
- 04 Carbon fiber Linear axis

— **Specification and technical information**

IRB 760FX	
Handling capacity (kg)	100
Reach (m)	3.20 + 1.65
Axis	Up to 9
Max output:	14 spm interpress 20 spm press loading
Linear axis	Stroke 1650 mm
Modular Crossbar	
Fixed	Payload Capacity 90 kg
Tilting	Part Rotation of $\pm 30^\circ$ Payload Capacity 65 kg
Tilting + Side Shifting	Part Rotation of $\pm 30^\circ$ Part Side Shifting of ± 300 mm Payload Capacity 60 kg