

IRB 7600FX

Fast and flexible transfer solution for large parts



The IRB 7600FX raises the bar in Press Automation to provide customers with more flexibility at greater speeds. The carbon fiber body offers unmatched performance and stability during part transfer.

Linear part transfer

By integrating a dual action unit into IRB 7600, ABB creates the IRB 7600FX, a 7-axis robot for the transfer of large parts rapidly along a linear path. As a result, vibrations created when parts are rotated 180° by the conventional 6-axis robot are eliminated.

In the case of new press lines, Inter-press distance can be reduced as parts are transferred without having to be rotated.

Dynamic model control

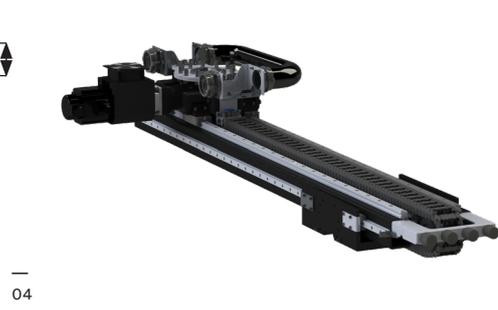
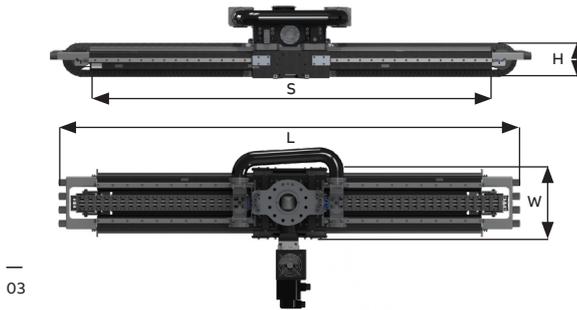
The IRB 7600FX is also equipped with integrated dynamic model control to ensure that all seven axes are coordinated and operating at optimum speed and lifetime. User-friendly programming interface. The IRB 7600FX is programmed the same way as its 6-axis counterpart is. Additionally, it can be programmed using ABB's StampWare.

StampWare

Currently running in more than 1,000 units world-wide, StampWare is a family of controller software designed to make you more productive by minimizing the learning time and setup time of new production. The modularized program structure, the program wizard and the graphical production window 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 optimizing of the robot cycle.

Optimized performance with carbon fiber

The IRB 7600FX's carbon fiber body increases output thanks to its specially designed shape which has been optimized for tool height.



01 CF Linear Axis with Modular Crossbar

02 Carbon fiber Linear axis with CF Gondola

03 Carbon fiber Linear axis dimensions

04 Carbon fiber Linear axis

Specification and technical information

| IRB 7600FX | |
|------------------------|---|
| Handling capacity (kg) | 100 |
| Reach (m) | 3.20 + 1.65 |
| Axis | 6 + 1 |
| Linear axis | |
| S – stroke (mm) | 1650 |
| L – Length (mm) | 2520 |
| H – height (mm) | 160 |
| W – width (mm) | 400 |
| Max output: | 12 spm interpress 18 spm press loading |