IRB 6600FX and IRB 7600FX raise the bar in Press Automation thanks to their linear 7th axis, to provide customers with more flexibility at greater speeds while saving precious press-shop floor space.

**Linear part transfer**
By integrating a dual action unit into IRB 6600 and IRB 7600, ABB creates the IRB 6660FX and IRB 7600FX, 7-axis robots for the transfer of 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 6660FX and IRB 7600FX are 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 6660FX / 7600FX are programmed the same way as its 6-axis counterpart is. Additionally, they can be programmed using ABB’s StampWare.

**StampWare**
Currently running in more than 1,000 units worldwide, Stamp-Ware is a family of controller software designed to increase the productivity 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 tooling**
The IRB 6660FX and IRB 7600FX’s carbon fiber tooling increases output thanks to its specially designed shape which has been optimized for tool height. As a result it can be placed into the die at lower press openings.
### Technical data and key figures

#### Robot Specifications

<table>
<thead>
<tr>
<th>Robot</th>
<th>IRB 6660FX</th>
<th>IRB 7600FX</th>
</tr>
</thead>
<tbody>
<tr>
<td>Handling capacity (Kg)</td>
<td>40</td>
<td>100</td>
</tr>
<tr>
<td>Reach (m)</td>
<td>3.10 + 1.75</td>
<td>3.10 + 1.75</td>
</tr>
</tbody>
</table>

#### Linear 7th axis Specifications

<table>
<thead>
<tr>
<th>Linear 7th axis</th>
<th>IRB 6660FX</th>
<th>IRB 7600FX</th>
</tr>
</thead>
<tbody>
<tr>
<td>S - stroke (mm)</td>
<td>1,400</td>
<td>1,750</td>
</tr>
<tr>
<td>L - length (mm)</td>
<td>2,190</td>
<td>2,250</td>
</tr>
<tr>
<td>H - height (mm)</td>
<td>130</td>
<td>160</td>
</tr>
<tr>
<td>W - width (mm)</td>
<td>315</td>
<td>420</td>
</tr>
</tbody>
</table>

1 IRB 7600FX. Double action linear unit.  | 2 Optimized tool height

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