Material Handling FlexTrainer

The material handling FlexTrainer is a portable pre-engineered robot cell specifically designed for robotic training purposes.

Features and Benefits
- Suitable for training in a classroom, the training cell is ideal for technical training at universities, trade schools, and workforce development organizations
- Compatible with IRB 1100 and IRB 1200 robots
- Controller provides power, accuracy, and motion control
- Wheels and folding wings allow the FlexTrainer to fit through standard doorways and can be easily moved around
- ABB donation of 100-seat network license of RobotStudio provided to educators along with access to all ABB PowerPacs ($150k value)
- ABB’s FlexTrainer cells are available in a virtual computer format as identical replicas of the real cell. With RobotStudio software, it can be programmed offline on a personal computer

Additional Options
- Integrated vision system
- B&R Touchscreen HMI
  - Great way to interact with the robot while it’s operating
  - View I/O statuses
  - View robot statuses
- Display and view curriculum materials, PDFs, manuals, and more

Scan the QR code shown to join our academic network:
- Learn more about development and product updates
- Participate in discussions on market trends
- Share projects your school is working on using ABB robots
- And more!
Specifications for the IRB 1100

<table>
<thead>
<tr>
<th>Robot version</th>
<th>Reach (m)</th>
<th>Payload (kg)</th>
<th>Armload (kg)</th>
</tr>
</thead>
<tbody>
<tr>
<td>IRB 1100-4/0.475</td>
<td>0.475</td>
<td>4</td>
<td>0.5</td>
</tr>
<tr>
<td>IRB 1100-4/0.58</td>
<td>0.58</td>
<td>4</td>
<td>0.5</td>
</tr>
</tbody>
</table>

- Number of axes: 6
- Protection: Standard IP40, Option IP67
- Mounting: Any angle
- Controller: OmniCore C30/ C90XT
- Integrated signal and power supply: 8 signals on wrists¹
- Integrated air supply: 4 air on wrist (max. 6 Bar)¹
- Integrated ethernet: 1 Gbit/s port¹

¹ Optional

Specifications for the IRB 1200

<table>
<thead>
<tr>
<th>Robot version</th>
<th>Reach (m)</th>
<th>Payload (kg)</th>
<th>Armload (kg)</th>
</tr>
</thead>
<tbody>
<tr>
<td>IRB 1200-7/0.7</td>
<td>0.7</td>
<td>7</td>
<td>0.3</td>
</tr>
<tr>
<td>IRB 1200-5/0.9</td>
<td>0.9</td>
<td>5</td>
<td>0.3</td>
</tr>
</tbody>
</table>

- Number of axes: 6
- Protection: Standard robot IP40 or IP67, Foundry Plus 2 based on IP67, Food Grade Lubricant and Clean Room (ISO class 3) base on IP67
- Mounting: Any angle
- Controller: IRC5 Compact/ IRC5 Single Cabinet
- Integrated signal and power supply: 10 signals on wrists
- Integrated air supply: 4 air on wrist (5 Bar)
- Integrated ethernet: One 100/10 Base-TX ethernet port

¹ Optional