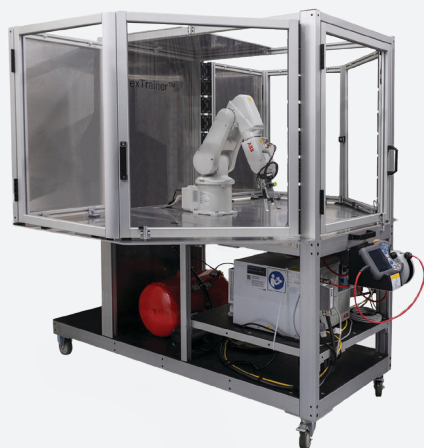ABB

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

Robot version	Reach (m)	Payload (kg)	Armload (kg)
IRB 1100-4/0.475	0.475	4	0.5
IRB 1100-4/0.58	0.58	4	0.5
Number of axes			6
Protection			Standard IP40, Option IP67
Mounting			Any angle
Controller			OmniCore C30/ C90XT
Integrated signal and power supply			8 signals on wrists[1]
Integrated air supply			4 air on wrist (max. 6 Bar)[1]
Integrated ethernet			1 Gbit/s port[1]

[1] Optional

Specifications for the IRB 1200

Robot version	Reach (m)	Payload (kg)	Armload (kg)
IRB 1200-7/0.7	0.7	7	0.3
IRB 1200-5/0.9	0.9	5	0.3
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 enthernet port

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