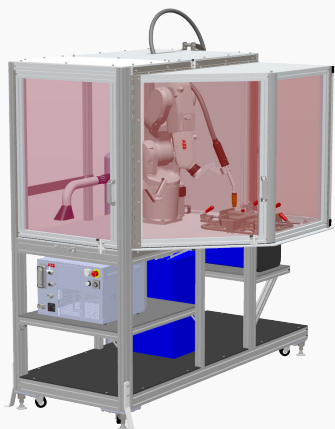


Arc Welding FlexTrainer



The arc welding FlexTrainer is designed to maximize the required training needs to master robotic welding programming, electrical service, mechanical maintenance, and off-line/on-line software packages. All educational software packages are included with the robot.

Features and Benefits

- IRB 1200 robot is lightweight with robust functionality
- Wheels and folding wings allow the FlexTrainer to fit through large doorways and can be easily moved around
- Controller provides power, accuracy, and motion control
- Welding torch can be easily removed for manual welding or instructional use
- Use welding equipment of choice (Miller, Lincoln, Fronius, etc.)
- 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

- 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

Safety

- Pedestal feet lock down to prevent movement during use
- Door safety switches shut down robot when open
- Weld shading included on glass
- Self-ventilating fume extraction system

Specifications	
Dimensions	
Base	762 mm x 1985 mm
Height	2000 mm
Weight	approx. 480 kg
Supply voltage	Single phase 220/230 V, 50-60 Hz
Hardware	16 in/out built-in I/O UL/ CSA rated



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 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 ethernet port		

ABB Ltd.
 For more information about our program please contact: Karin Polasek
 Inside Sales Representative
 Email: Karin.G.Polasek@us.abb.com
 Call: +1 248-391-8683

abb.com/robotics

We reserve the right to make technical changes or modify the contents of this document without prior notice. With regard to purchase orders, the agreed particulars shall prevail. ABB AG does not accept any responsibility whatsoever for potential errors or possible lack of information in this document.

We reserve all rights in this document and in the subject matter and illustrations contained therein. Any reproduction, disclosure to third parties or utilization of its contents – in whole or in parts – is forbidden without prior written consent of ABB AG. Copyright© 2022 ABB. All rights reserved.