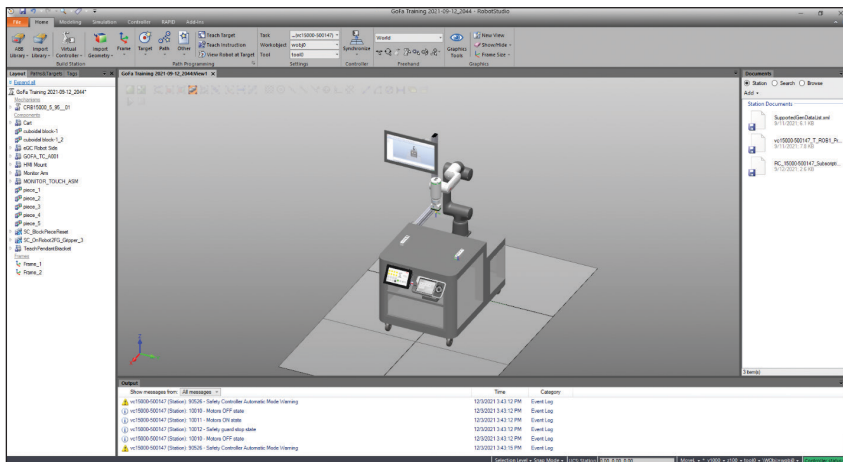


DATA SHEET

Cobot FlexTrainer



Compatible robots for the cobot FlexTrainer:

- CRB 15000 GoFa
- CRB 1100 SWIFTI
- IRB 14000 Yumi
- IRB 14050 Single Arm Yumi

Features and Benefits

- The cobot FlexTrainer was designed specifically for education and fits through a standard door (34" height x 45" length x 33" width)
- The user-friendly teach pendent includes Wizard easy programming - an easy graphical drag and drop programming interface for your robot. No specialized training or programming skills are required to use the program
- The OmniCore controller - Industry's most versatile and powerful controller that delivers the ultimate value in flexibility, connectivity and performance
- The OmniCore controller is enclosed within the cart for noise reduction
- The tabletop allows users to attach/detach work parts
- ABB donation of 100-seat network license of RobotStudio provided to educators along with access to all ABB PowerPacs (\$150k value)
- The cells are available in a virtual computer format as identical replicas of the real cell. With RobotStudio software, it can be programmed off-line 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



Compatible robots for the cobot FlexTrainer and their specifications

CRB 15000 - GoFa



Robot version	Reach (m)	Payload (kg)	Armload (kg)
CRB 15000	950	5	No armloads*
Number of axes	6		
Protection	IP54		
Mounting	Any angle, including table mounting, wall mounting and ceiling mounting		
Controller	OmniCore C30		
Customer power supply	4 signals (for IO, Fieldbus or Enthernet)		
Tool flange	Standard ISO 9409-1-50		
Functional safety	SafeMove Collaborative included All safety functions certified to Category 3, PL d		

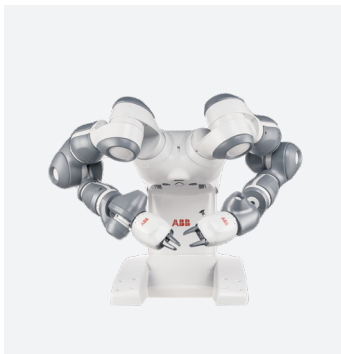
* See product specification for details.

CRB 1100 - SWIFTI



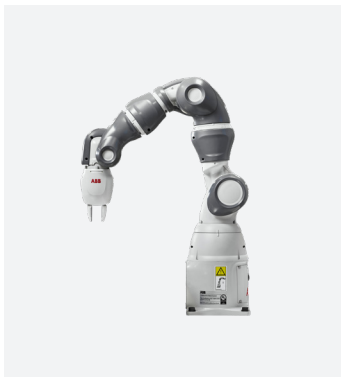
Robot version	Reach (m)	Payload (kg)	Armload (kg)
CRB 1100-4/0.475	0.475	4	0.5
CRB 1100-4/0.58	0.58	4	0.5
Number of axes	6		
Protection	Standard IP40		
Mounting	Any angle		
Controller	OmniCore C30		
Integrated signal and power supply	Up to 12 signals (C1 + C2) on upper arm		
Integrated air supply	4 air on wrist (max. 6 Bar)		
Integrated ethernet	One 1000 Base-T ethernet port (C2)		
Tool flange	Standard ISO 9409-1-31.5-4 M5		
Functional safety	SafeMove Collaborative included All safety functions certified to Category 3, PL d		

IRB 14000 – Yumi



Robot version	Reach(m)	Payload (kg)	Armload (kg)
IRB 14000-0.5/0.5	559	500	No armloads
Number of axes	14		
Protection	Std: IP30 and Clean room		
Mounting	Table		
Controller	Integrated IRC5		
Customer power supply	24V/1A supply		
Customer signals	4 signals (for IO, Fieldbus or Ethernet)		
Integrated air supply	1 per Arm on tool Flange (4 Bar)		
Functional safety	SafeMove Collaborative included All safety functions certified to Category B, PL b		

IRB 14050 - Single Arm Yumi



Robot version	Reach (m)	Payload (kg)	Armload (kg)
IRB 14050-0.5/0.5	559	500	No armloads
Features			
Integrated signal and power supply	24V Ethernet or 4 Signals		
Integrated air supply	4 Bar		
Integrated ethernet	One 100/10 Base-TX ethernet port		
Robot mounting	All angles, including table mounting, wall mounting and ceiling mounting		
Degree of protection	IP30		
Functional safety	PL d Cat 3 Protective stop and emergency stop; SafeMove as option		
Controller	OmniCore		



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