

iLS INDUSTRIAL LEARNING SYSTEM



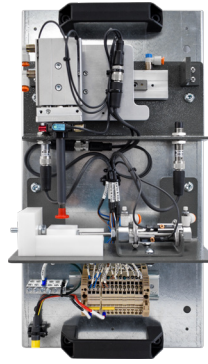
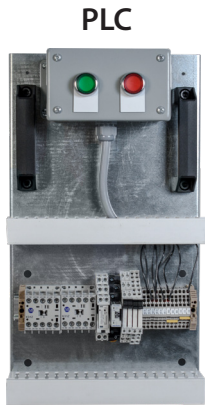
- Add up to 12 modules to each base
- Accommodates multiple applications and/or multiple students
- Each board location has 24VDC and compressed air supply
- Each module includes curriculum and project print
- Integrate to any FANUC robot or APT equipment
- Purchase a blank panel and create your own board



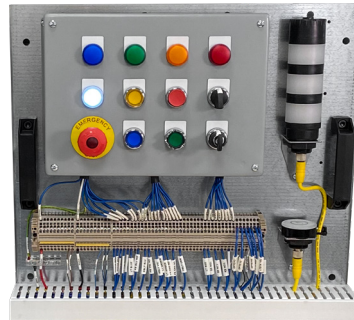
Base includes:

- Overhead work light
- 110VAC 24v power strip
- On-board air compressor
- Programmable LED lighting
- Ample storage space
- Wire drawer
- Welded cart w/ casters for mobility

Module Examples



Available Module Storage Rack



Multiple Size Options

Fully Configurable Learning Modules

PATHWAY	CATEGORY	MODULE	DESCRIPTION
Controls	Electrical	AB Relay Start/Stop	The AB Relay Start/Stop module teaches relay logic with start/stop circuit board.
	Motion Control	AB PowerFlex 525	The AB PowerFlex 525 module will allow labwork with variable frequency drive and motor control.
	Safety	AB E-stop Safety Circuit (hard-wired)	AB E-stop Safety Circuit (hard-wired) - can be paired with other modules to learn the integration of an E-stop circuit.
	PLC & IO	Compact GuardLogix PLC	This board teaches beginning, intermediate, and advanced PLC programming and troubleshooting.
	Switches, Buttons, Lights	Operator Interface	The operator interface can be wired into the PLC and programmed for various input and output devices.
	PBL (Project-Based Learning) Kits	AC Motor Kit	This AC Motor Kit is a bench-mounted motor that works with VFD and relay board. This is a base kit for additional labs and exercises.
	Miscellaneous		32" Display
		iCC (Industrial Controls Center)	The iCC Trainer can be integrated to allow additional functionality of PLC, step sequence logic, and additional i/o.
Industrial	Industrial	5S Drawer Tools	This allows students to learn the importance of organization when storing tools and equipment.
	Mounting Solutions	Swivellink®	Swivellink allows for easy manipulation of sensors, lights, & cameras on any of the modules.
	PBL (Project-Based Learning) Kits	Swivellink® Conveyor	The conveyor teaches part movement, sequencing, and motor control.
Fluid Power	Fluid Power	SMC Manifold	This module allows students to learn pneumatic control in conjunction with projects and labs.
Robotics	PBL (Project-Based Learning) Kits	Pneumatic Pick & Place	The FANUC robot project guides students through pick and place of parts in conjunction with fluid power, conveyor, PLC, safety, and other modules.

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