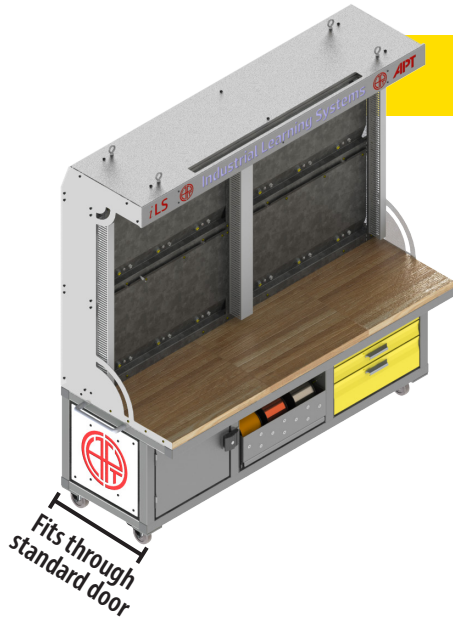


iLS INDUSTRIAL LEARNING SYSTEM



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 (<i>hard-wired</i>)	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	This display allows connection of laptop or desktop computer for easy viewing of LMS, curriculum, or videos.
<i>iCC (Industrial Controls Center)</i>		The <i>iCC</i> 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.



Start with the base...

- 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



Optional module storage rack



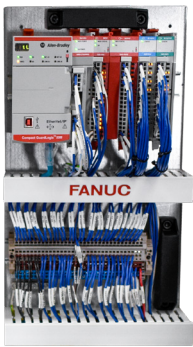
...then add modules

Multiple Size Options

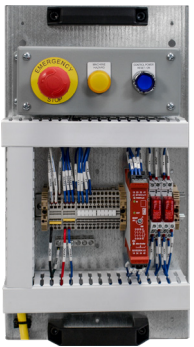


Fully Configurable Learning Module Examples

PLC



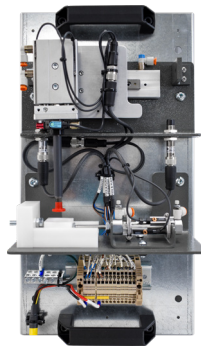
SAFETY



MOTION CONTROL



FLUID POWER



OPERATOR INTERFACE



See website for full list of modules

FOR MORE INFORMATION CONTACT:
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 419-542-6681 x1126