

Introducing our:

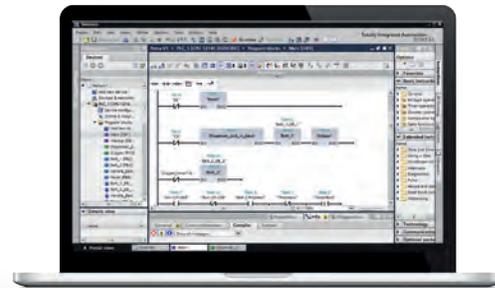
→ Key College Products

LJ Create's college-level resources are focused on modern concepts and technologies. Our multi-level industrial control resources introduce students to **Industry 4.0** - covering SCADA, HMI, smart sensors and more.

Our key products also include resources for hybrid and electric vehicle technology and core electronics systems.



LJ CREATE™
Learning for life

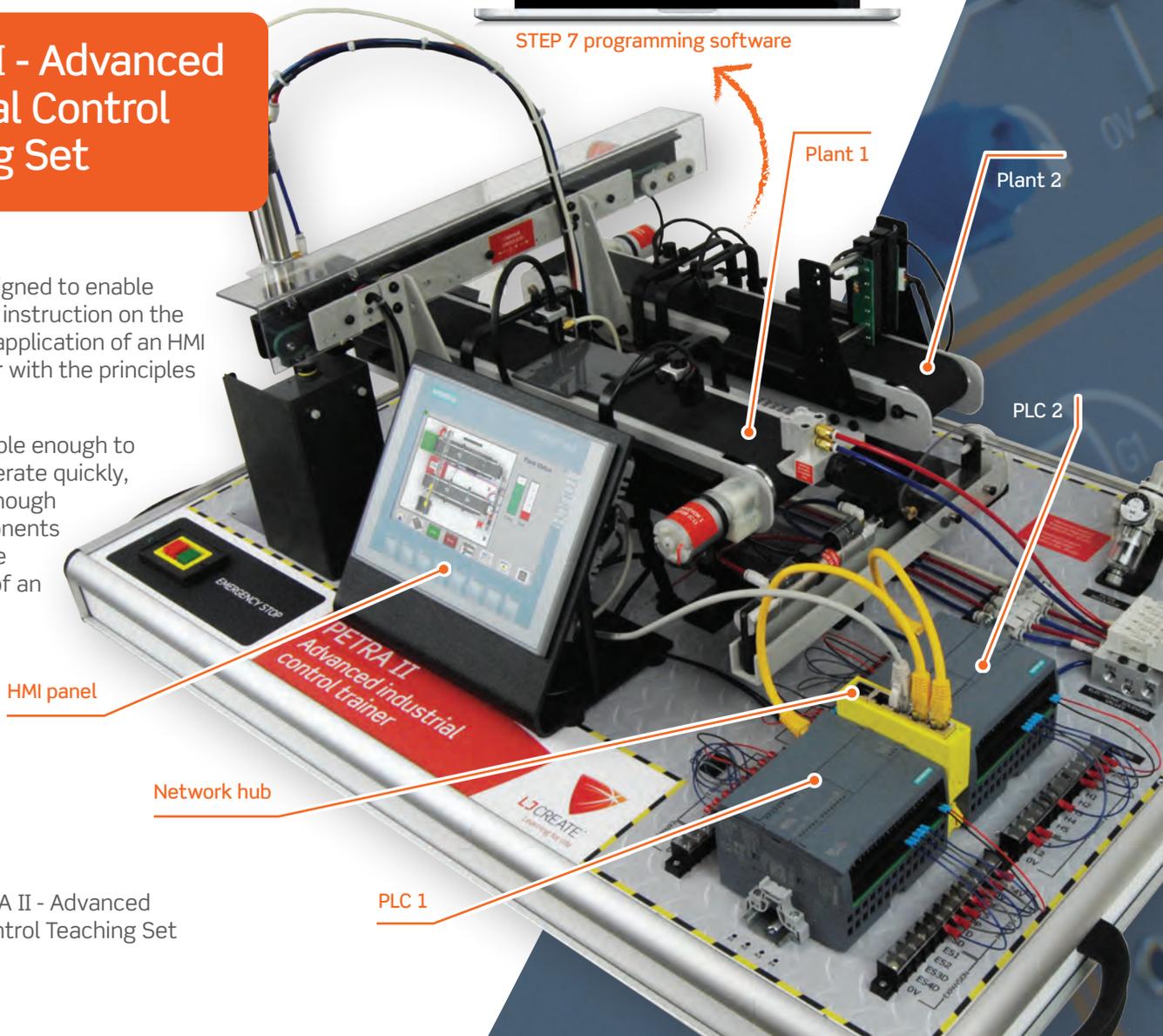


STEP 7 programming software

PETRA II - Advanced Industrial Control Teaching Set

PETRA II is designed to enable quick and easy instruction on the operation and application of an HMI panel, together with the principles of SCADA.

PETRA II is simple enough to explain and operate quickly, but contains enough process components to demonstrate the operation of an HMI Panel.



HMI panel

Network hub

PLC 1

Plant 1

Plant 2

PLC 2

Order as:

- 292-00 PETRA II - Advanced Industrial Control Teaching Set

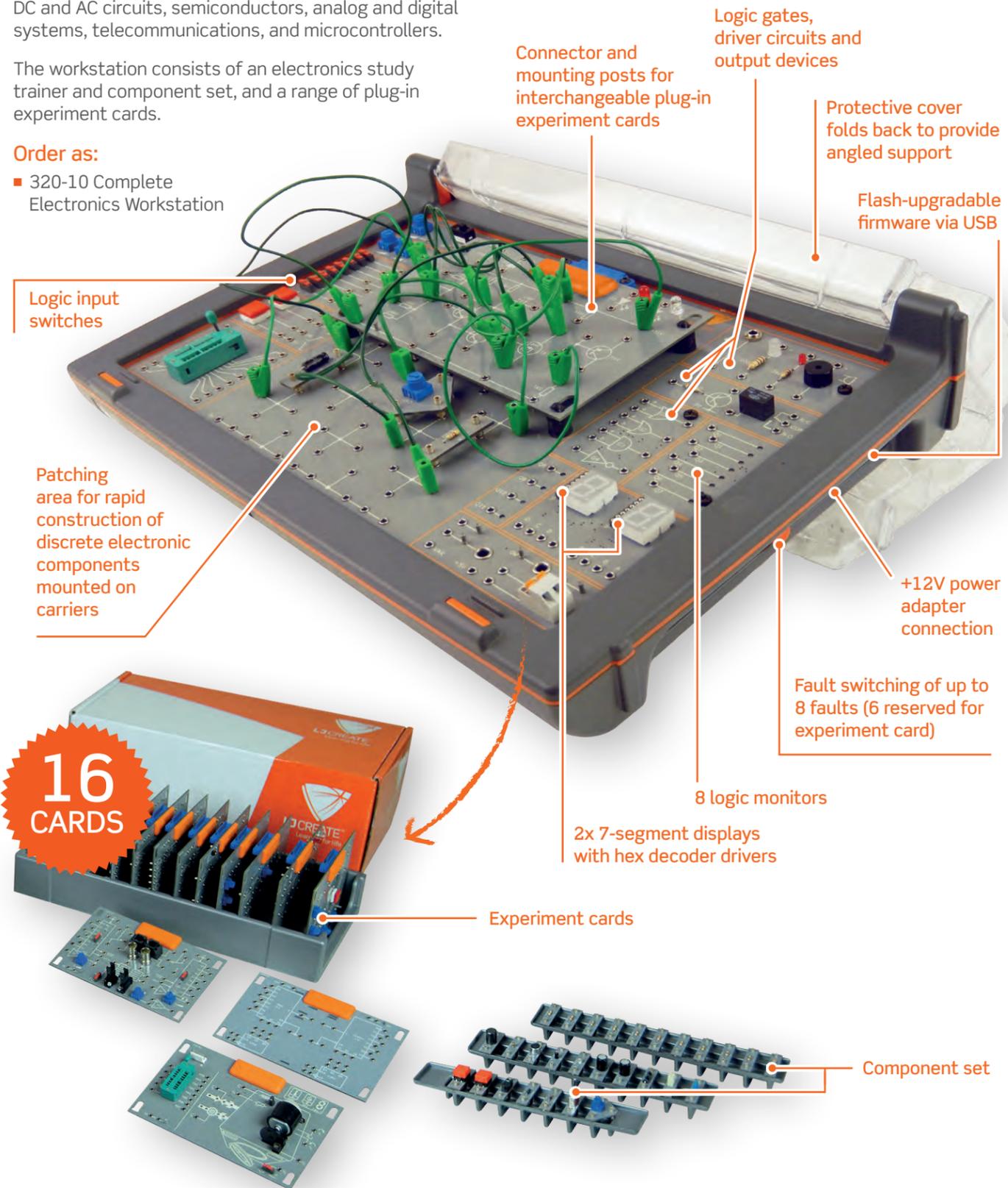
Complete Electronics Workstation

Our complete electronics workstation allows the practical study of a wide range of electronics subjects, including DC and AC circuits, semiconductors, analog and digital systems, telecommunications, and microcontrollers.

The workstation consists of an electronics study trainer and component set, and a range of plug-in experiment cards.

Order as:

- 320-10 Complete Electronics Workstation



Logic input switches

Patching area for rapid construction of discrete electronic components mounted on carriers

16 CARDS

Experiment cards

Connector and mounting posts for interchangeable plug-in experiment cards

Logic gates, driver circuits and output devices

Protective cover folds back to provide angled support

Flash-upgradable firmware via USB

+12V power adapter connection

Fault switching of up to 8 faults (6 reserved for experiment card)

8 logic monitors

2x 7-segment displays with hex decoder drivers

Component set

Industrial Control Trainer

This trainer brings a factory floor conveyor sorting system into the classroom.

Innovative simulation software is included to help introduce the basic concepts of PLCs and ladder logic.

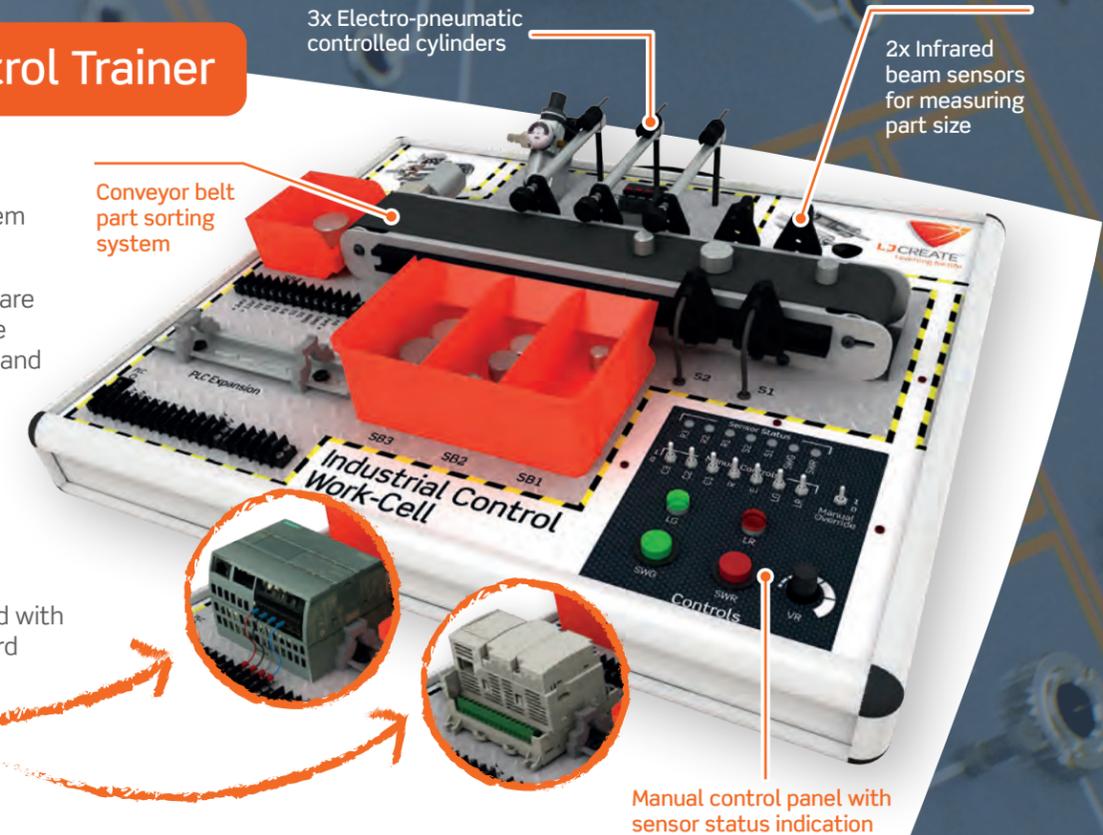
Order as:

- 290-01 Industrial Control Trainer

ALSO AVAILABLE:

The trainer can be packaged with one of two industry-standard commercial controllers:

- Siemens S7-1200
- Allen Bradley Micro820



Conveyor belt part sorting system

3x Electro-pneumatic controlled cylinders

2x Infrared beam sensors for measuring part size

Manual control panel with sensor status indication

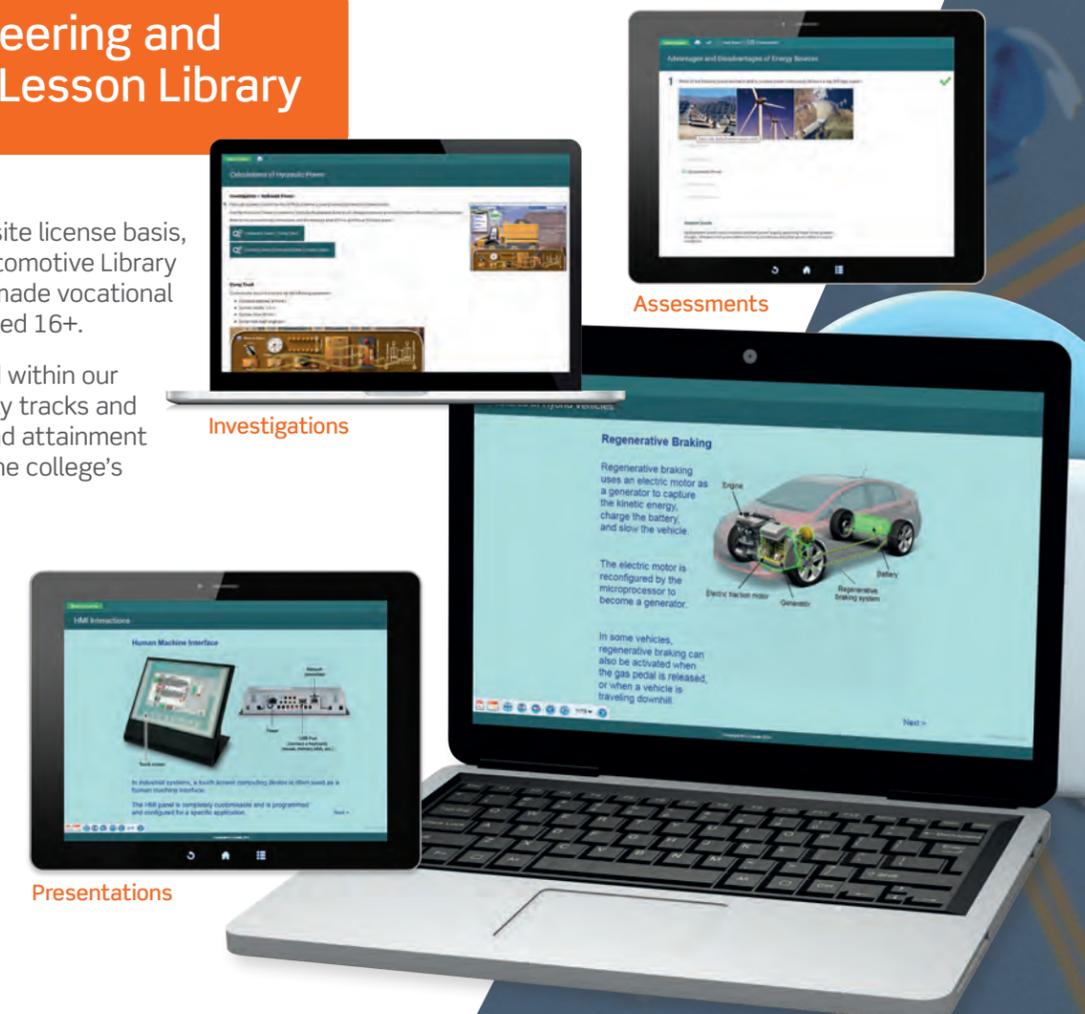
Online Engineering and Automotive Lesson Library

Available on an annual site license basis, our Engineering and Automotive Library is packed full of ready-made vocational lessons for students aged 16+.

The library is integrated within our LMS which automatically tracks and records the progress and attainment of your students, and the college's progress overall.

Order as:

- WWS-AL Working with STEM Library (Annual Site License)



Investigations

Assessments

Presentations

Hybrid Vehicle Systems Panel Trainer

This trainer provides students and instructors with the opportunity to demonstrate, investigate, and fault-find a simulation of a hybrid vehicle electrical system.

The trainer is designed to allow access to a simulation of the mechanical operation as well as provide a mimic of the electrical power flow.

Order as:

- 756-01 Hybrid Vehicle Systems Panel Trainer

Power flow mimic allows students to investigate the balance between electrical and internal combustion power

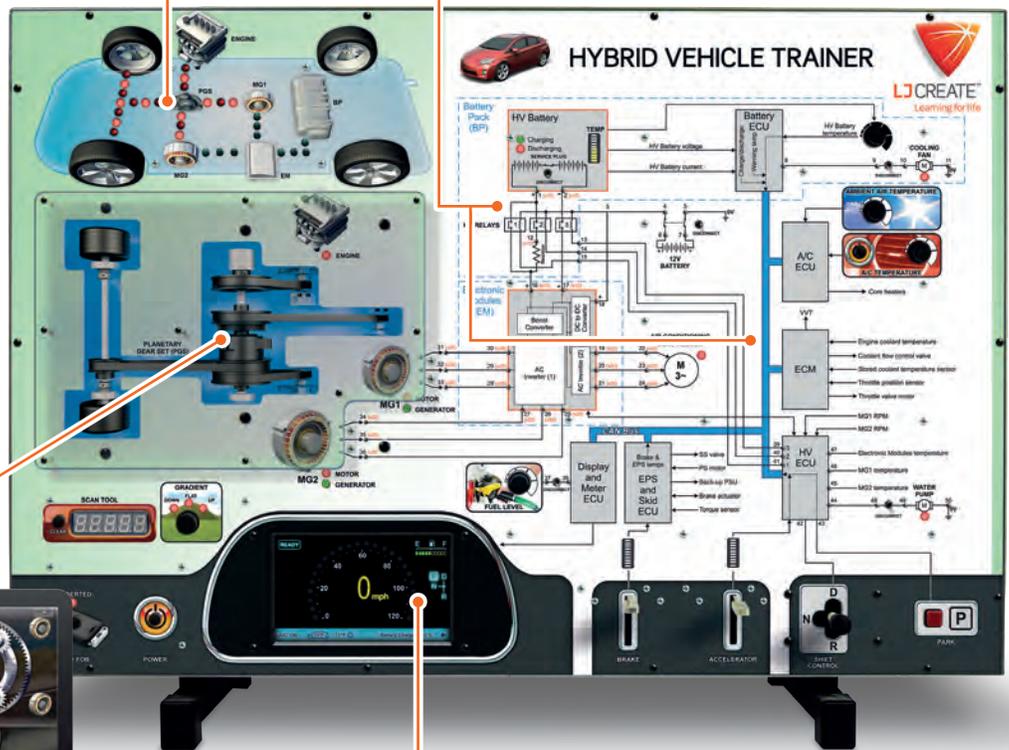
High- and low-voltage system test points

Fault insertion options to simulate real-world system malfunctions

Planetary gear set

Dashboard display

Hybrid vehicle simulation software



For more information, please contact our **Florida Office:**



LJ Create

6900 Tavistock Lakes Blvd, Suite 400
Orlando, FL 32827
tel: **1-800-237-3482**
email: **info@ljcreate.com**

ljcreate.com