

Helping out with...

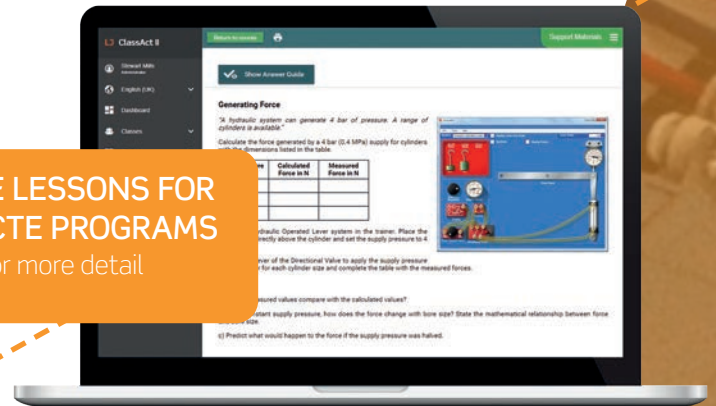
# Distance Learning



**LJ CREATE™**  
Learning for life

We have packaged special trainers to support our online software with practical activities.

The trainers are supplied in robust, self-contained packages that can be used by your students - allowing them to tackle a wide variety of hands-on activities from home.



**ONLINE LESSONS FOR YOUR CTE PROGRAMS**  
See p6 for more detail



**MOBILE ELECTRONICS WORKSTATION**  
Includes our New Comms Cards (x2)  
- see p3 for more detail



**MOBILE PLC TRAINER**  
See p2 for more detail



**AUTO ELECTRONICS TRAINERS**  
See p4-5 for more detail

# Industrial Control

## Mobile PLC Trainer (291-04)

This training system offers a platform that enables students to perform a comprehensive range of programming tasks culminating in the control of the unit using an industrial PLC.

The unit is designed to sort metal discs one at a time, checking them for a machined hole and dispensing them into one of two bins, based upon programming logic.

### Order As:

**291-04 Mobile PLC Trainer**  
(Siemens and Allen Bradley versions available)

### Includes:

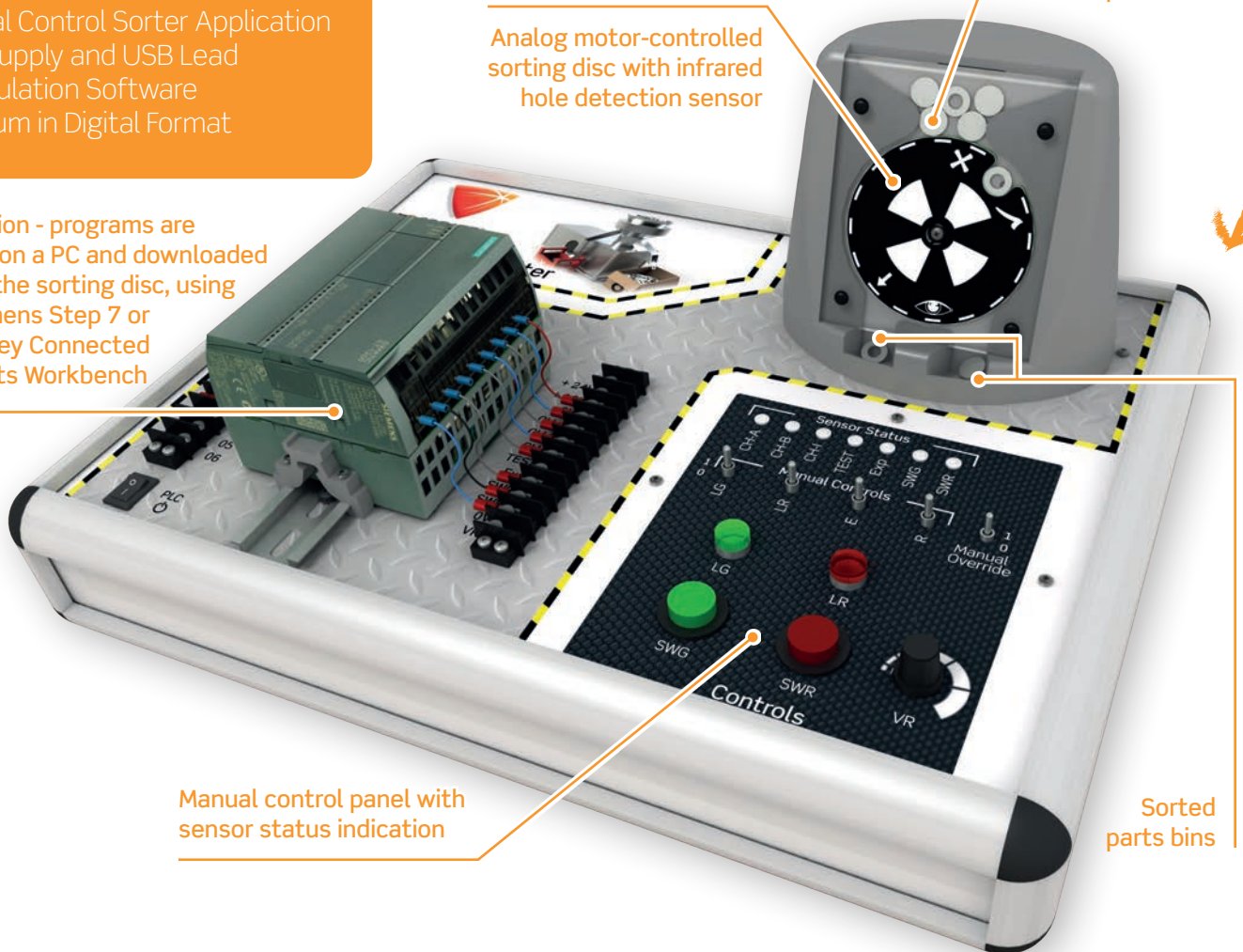
- Industrial Control Sorter Application
- Power Supply and USB Lead
- PLC Simulation Software
- Curriculum in Digital Format

PLC operation - programs are developed on a PC and downloaded to control the sorting disc, using either Siemens Step 7 or Allen Bradley Connected Components Workbench



Analog motor-controlled sorting disc with infrared hole detection sensor

Parts dispenser



Manual control panel with sensor status indication

Sorted parts bins

# Electronics



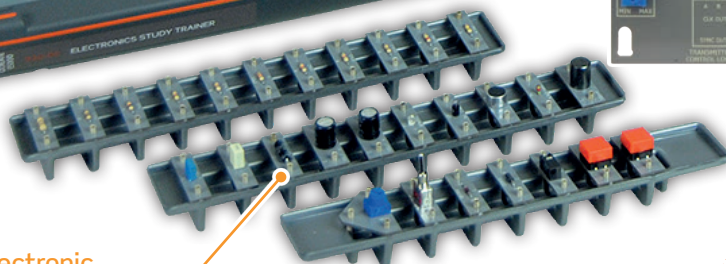
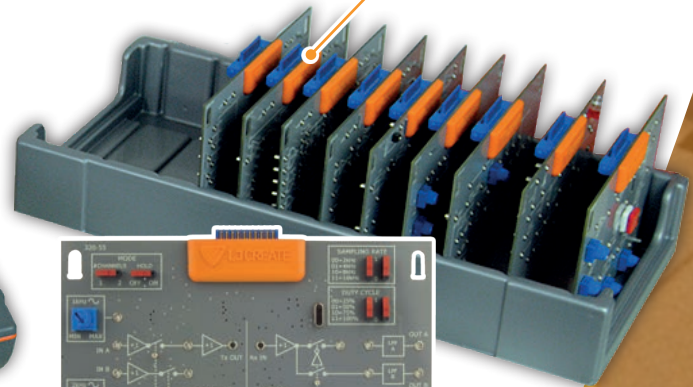
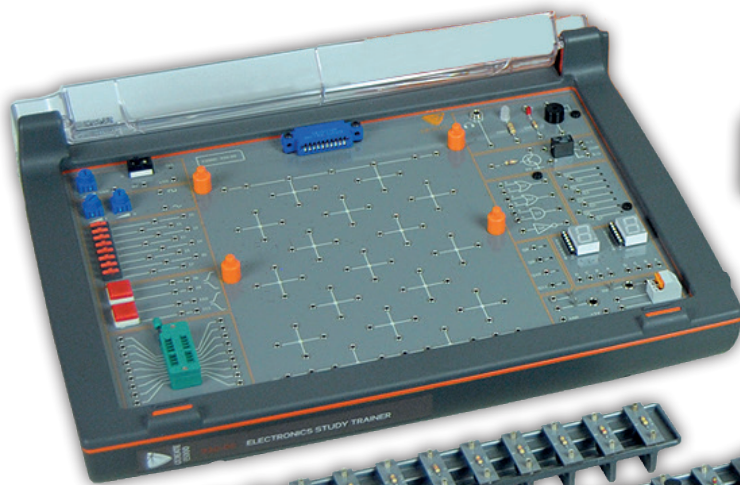
Aligned to ETA Student  
Electronics Technician  
Certification

## Mobile Electronics Workstation

This mobile 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 includes an electronics study trainer and component set, and a range of plug-in experiment cards. Additional test equipment is required (see below for details).

Interchangeable  
experiment cards



Discrete electronic  
components  
mounted on carriers

2 NEW  
CARDS

Now includes 2 new Comms cards:  
1. Superhet Receiver Card  
2. PAM/TDM Communications Card

Order As:

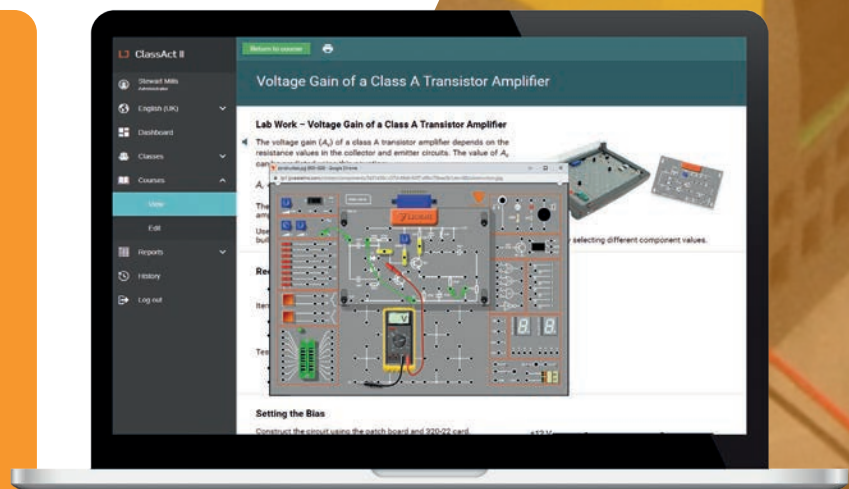
### Mobile Electronics Workstation

Includes:

- Study Trainer and Storage Case
- Experiment Cards (x15)
- Curriculum in Digital Format
- Component Set and Connection Lead Set

Other items required:

- Digital Multimeter
- Dual Trace Oscilloscope
- Signal Generator



# Automotive Electronics

## Auto Electronics Trainer (700-10)

Allows students to build a variety of introductory automotive electronic circuits using a range of on-board and carrier-mounted components.

Students are given tasks that encourage them to explore circuits practically to help develop their understanding of electrical components, circuits, and systems.

**Order as: 700-10 Auto Electronics Trainer**

Includes:

- Autotronics Trainer
- Carrier-Mounted Component Set
- Shorting Links and Connecting Leads
- Curriculum in Digital Format

Other items required:

- Digital Multimeter



## Modern Auto Lighting Circuits Trainer (701-02)

Our range of Autotronics boards are designed to provide a practical approach to theoretical learning, as well as developing technical skills for electronic system fault finding.

Students are given tasks that encourage them to explore CAN-controlled lighting circuits practically, and improve their knowledge of electrical components, circuits, signals, and systems.

**Order as: 701-02 Modern Auto Lighting Circuits Trainer**

Includes:

- Autotronics Trainer
- Curriculum in Digital Format

Other items required:

- Digital Multimeter
- Diagnostic Equipment with Oscilloscope Functions



## Modern Starting and Charging Systems Trainer (720-02)



Our Autotronics Trainers are all aligned to the ASE Task List:  
**Electrical/Electronic Systems**

This trainer is focused on starting and charging systems of a modern vehicle. Students work through tasks that encourage them to explore CAN Data Bus systems practically and also improve their knowledge of components, circuits, signals, and systems.

Students also complete a number of fault-finding activities, encouraging fault-diagnosis skills.

### Order as: 720-02 Modern Starting and Charging Systems Trainer

#### Includes:

- Autotronics Trainer
- Curriculum in Digital Format

#### Other items required:

- Digital Multimeter
- Diagnostic Equipment with Oscilloscope Functions



## Modern Auxiliary Systems Trainer (721-01)

Students are given tasks that encourage them to explore CAN Bus electric window, door mirror, seat, and central locking circuits practically, and improve their knowledge of these systems.

Students will also be directed to work through a number of fault-finding activities (7 in all), encouraging fault-diagnosis skills.

### Order as: 721-01 Modern Auxiliary Systems Trainer

#### Includes:

- Autotronics Trainer
- Curriculum in Digital Format

#### Other items required:

- Digital Multimeter
- Diagnostic Equipment with Oscilloscope Functions



# Online LMS

Presentations



## CTE Software - Site License

Available on an annual site license basis, our CTE content is packed full of ready-made Courses and Lessons for students aged 16+. Lessons are integrated within our online Learning Management System. The flexibility of our LMS allows for easy switching between distinct teaching modes:

### Classroom-Based (Face-to-Face Learning)

Includes all lesson types, including our comprehensive range of hands-on practical lessons.

### Virtual Environment (Remote Learning)

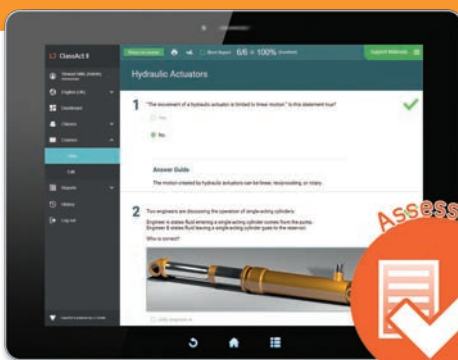
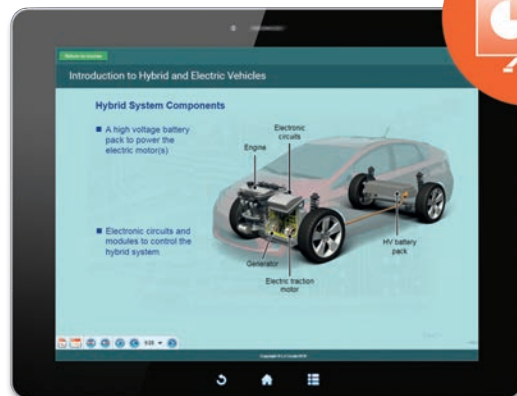
A simple one-click option removes hands-on practical lessons to allow for 100% virtual learning.

### Order As:

## CTE Software - Site License

### Includes:

- Access for as many users as you need
- Access to 1000's of lessons aligned to Industrial Certifications, covering:
  - Automotive
  - Electronics
  - Engineering
  - Mechatronics
  - Fluid Power
  - Workplace & Business Skills
  - Introductory Welding
  - Manufacturing
  - ...and much more
- Automatic tracking/recording of student progress and attainment



If you'd like more information:

tel: 1-800-237-3482 | email: [info@ljcreate.com](mailto:info@ljcreate.com)

[ljcreate.com](http://ljcreate.com)