

## TRAINING SYSTEMS FOR ELECTRONIC AND PROGRAMMABLE LOGIC CONTROLLER (PLC)

AGRICULTURE | ARCHITECTURE & CONSTRUCTION | ENGINEERING | INFORMATION TECHNOLOGY | MANUFACTURING

DEPCO provides educational solutions that support the Kansas State Department of Education's mission to prepare Kansas students for lifelong success through rigorous, quality academic instruction, career training, and character development according to each student's gifts and talents.

DEPCO's STEM Career Pathways Units and DEPCO's Industrial Automation and Pre-Engineering (IAP) programs are skill-based, hands-on, interactive learning systems that promote higher-level learning in high-skill career areas such as industrial automation and manufacturing. Through our partnerships with companies such as Starrett®, Allen-Bradley®, Siemens®, Baldor®, FESTO®, SMC Training®, and SOLIDWORKS®, students are provided equipment and software that is standard in today's industries.

### Instruction

Each DEPCO training unit includes multi-level courseware designed to develop industrial skills. Each level includes multimedia instruction content and full-color Industrial Training Manuals with Instructor Guides.

### Skills

DEPCO products develop academic knowledge, employability skills, and technical skills that are evaluated through Instructor Checkpoints and authentic assessments.



### DEPCO's Training Units



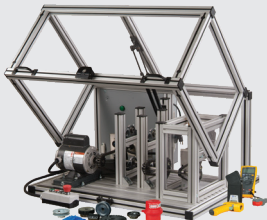
Electronics



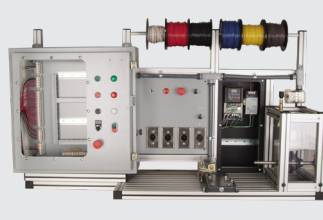
PLC Basics



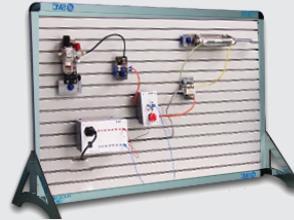
Industrial PLC



Mechanical Systems



Industrial Motor Controls



Industrial Pneumatics

## MB100 - Fundamentals of Technology - Principles of Electricity & Electronics

TII's instructor-developed curriculum features more than 25 hours of instruction in electricity and electronic terminology, circuit design and development, basic electronic components, and the theory and mathematics relating to electricity and electronics.



- Hands-on applications to allow for faster learning, higher knowledge retention, and application to real-world situations.
- Competency and mastery-based training with computer-based pre and post-testing.
- Easy-to-read curriculum that allows for self-paced or group instruction.
- Instructor guide with module and presentation suggestions.
- Clearly labeled storage panel for component identification and inventory.
- Removable panels for mounting the system on a table or work surface to meet space requirements.

## KTS100 - Electro-Mechanical Training Systems - Troubleshooting Training Center

TII Technical Education Systems' Kempf Troubleshooting Training Center (KTS100) is a complete program of hardware and instructional materials for learning how to troubleshoot modern industrial/commercial motor and relay control systems.

Designed as a self-paced, individualized learning program requiring only nominal facilitation, the Training System presents in-depth explanations with how motor control circuits operate and provides practical hands-on experience of wiring, operating, and troubleshooting these circuits. For testing comprehension, this system uses 40 fault switches to provide important proficiency development exercises for high-skill training.



### Additional Electrical & Automation Training Systems

#### Fundamentals of Technology

- MB200 - Principles of Pneumatics
- MB600 - Sensors
- MB665ML-S - Principles of PLCs

#### Industrial Fluid Power: Explorer Series

- EXP3 - Electro-Pneumatic Training System

#### Integrated Automation Series

- 650A-MPC - Machine Process Control

#### Advanced Electronic Sensors

- EM613 - Photoelectric & Proximity Sensors

#### AC Drives Training

- ACD525 - AC Direct Drives



science



technology



engineering



math

## JobMaster® Basic Power Electricity Training

JobMaster® Basic Power Electricity Training teaches the specialized skills required for today's industrial technicians.

JobMaster provides a superior blended learning solution for automated manufacturing training by combining industrial grade components with engaging e-learning content.

JobMaster courses are entirely skill-based, consisting of individual exercises that reproduce essential tasks performed by maintenance technicians, equipment operators, and machine repairmen.

## Ask about NIMS Certification

Intelitek Curriculum  
aligned to NIMS ITM

NIMS Performance Measures  
on Intelitek Lab

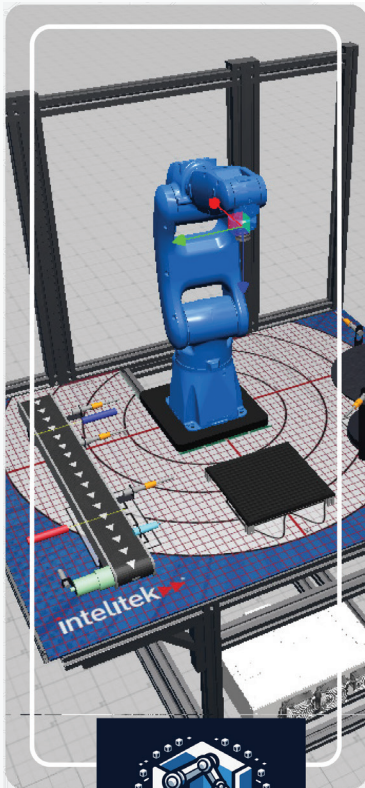
Foundation Skills  
Electrical  
Mechanical  
Hydraulics  
Pneumatics  
PLCs



## SCORBOT-ER 4u Robot Arm

The SCORBOT-ER 4u robot is a versatile and reliable system for educational use. The SCORBOT-ER4u robot arm can be mounted on a tabletop, pedestal, or linear slidebase.

The robot's speed and repeatability make it highly suited for both stand-alone operations and integrated use in automated workcell and FMS applications such as robotic welding, machine vision, and CNC machine tending. The optional RoboCell® 3D simulation software lets students design and control industrial workcells.

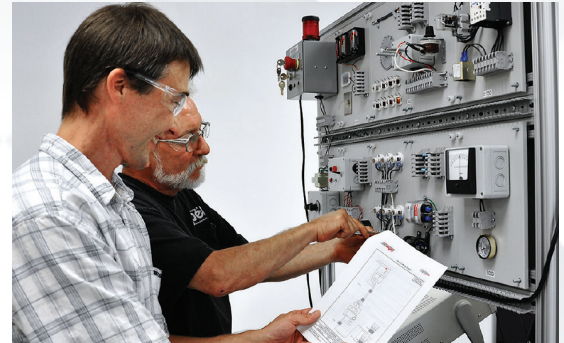


## RoboX - Virtual Industrial Robotics for CTE

RoboX is an innovative, gamified education platform for Career Tech Education in industrial robotics. RoboX simulations and curricula enable educators and students to experience and learn how real robots are programmed and operate. The RoboX application is scalable and scaffolded for students of all experience levels. The web-based, online environment can be accessed in the classroom, in the lab, or from home.

RoboX is integrated with student-paced or instructor-led curriculum where the concepts of robotics, robot operation, and robot programming are taught.

Aligned with Industrial Robotic Certifications, the curriculum elevates students to the proficiency level necessary to work in industry.



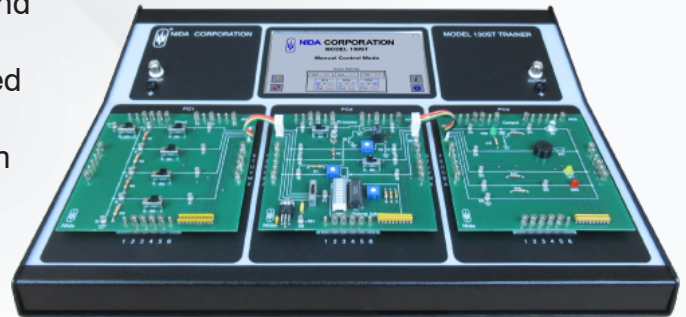


## Nida Model 130ST Console

The Nida Model 130ST Console functions as the primary platform for electronic experiments performed using Computer Assisted Instruction (CAI), Text Based Curriculum (TBC), or ACT connectivity.

The Model 130ST is a current-limited power supply designed specifically for use with all Model 130 Series printed circuit experiment boards. Discrete voltages activate the experiment cards, allowing students to align, calibrate, and troubleshoot operational electronic circuits using standard laboratory test equipment.

- Fully automatic operation in CAI mode through student computer USB or serial port.
- Supports automatic, manual, remote, and multiple fault insertion.
- Built-in and auxiliary connections allow signal input/transfer between card positions.
- Automatic alarm sounds if malfunction is detected and display panel indicates symptom.
- The 7-inch color touch screen display shows selected mode, input signals, and trainer status.
- Self-cleaning contacts to ensure a proper connection with each experiment card installation.
- Wi-Fi and Bluetooth® available if required.



## Nida Experiment Card Sets

Nida Corporation offers a variety of experiment card sets, customized to a specific Trainer and individualized to specific technical content. The customization and individualization is the key element in Nida's ability to provide exactly what you need to teach.

Experiment cards can be purchased as a set, covering a specific topic area like DC or AC; cards can also be purchased individually, allowing you to customize the exact experimentation required by your course.

### Available Card Sets for Nida Model 130ST Console

- Nida Model 1300 Entry Level Electronics
- AC Card Set
- Model 1402T AC Core Experiment
- DC Card Set
- Model 1401T DC Core Experiment

