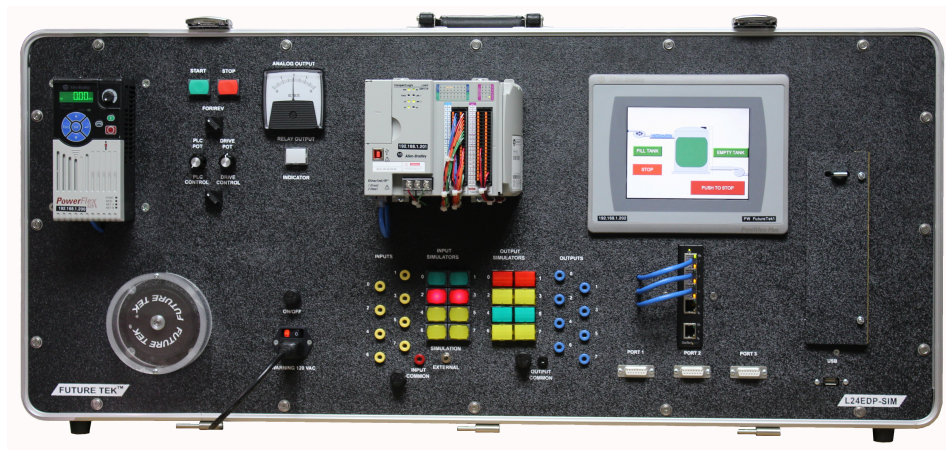# **F**uture **T**ek **I**nc.®

INTRODUCING:

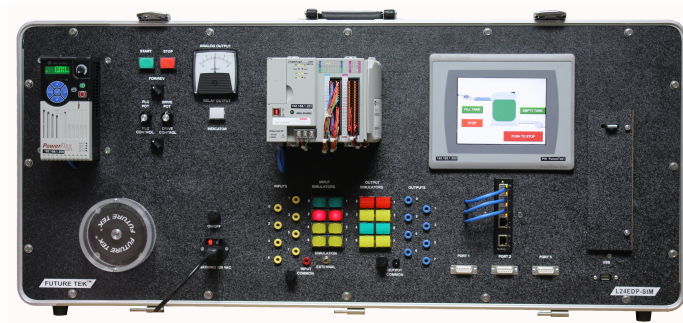## ALLEN-BRADLEY PLC TRAINERS WITH FESTO MECLAB® AND EASYVEEP® CONNECTIVITY

Future Tek Model L24-EDP-SIM

FUTURE TEK IN CONJUNCTION WITH FESTO OFFERS:

- *Hands-On, Real World Training Equipment*

- *In-lab PLC Control utilizing Festo MecLab® Training Systems and Future Tek PLC Trainers*

- *Simulation via Festo EasyVeep® Software*

- *Instructor Training and Top-Notch Customer Support*

Allen-Bradley Training Systems

Future Tek, Inc's SIM PLC Training Systems provide hands on programming and troubleshooting training utilizing our step-by-step lab manuals. Our new SIM offerings include connecting ports allowing development of Ladder Logic programs controlling Festo MecLab® Training Systems.

Future Tek Model L24-EDP-SIM

Compatible with Festo MecLab® Training Systems
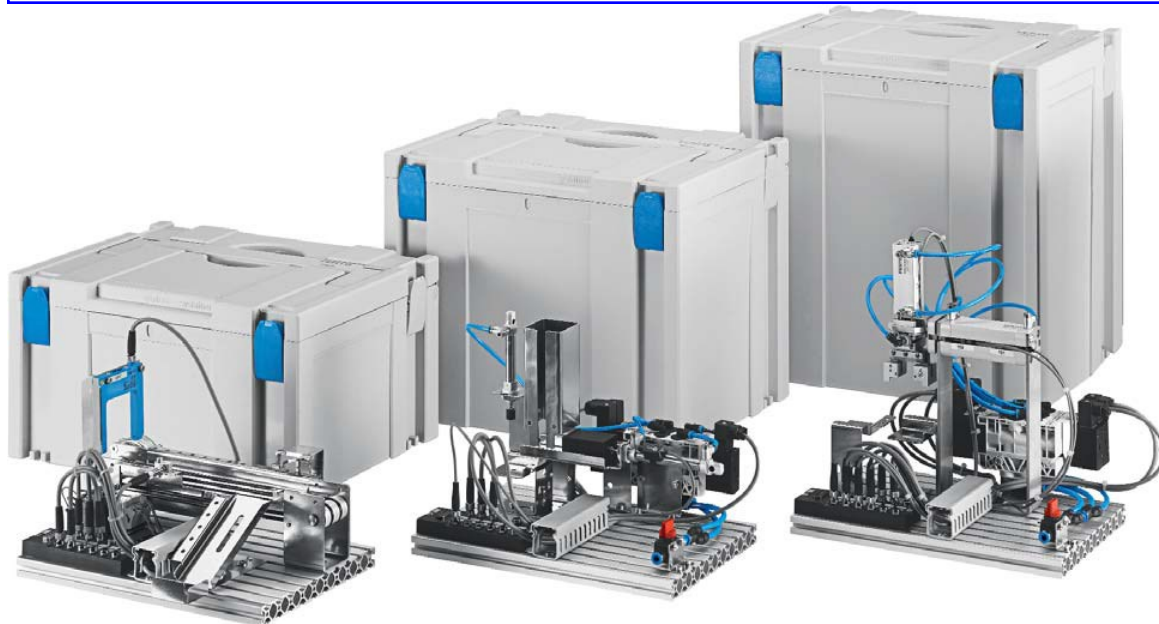
Conveyor Station   **Stack Magazine Station**   **Handling Station**

Allen-Bradley Training Systems

Future Tek, Inc's SIM series, also, includes Festo EasyVeep® Simulation Software connection. The Festo EasyVeep® Software provides interactive PLC control of real-world processes through simulation. Below are a few examples of the simulated processes .

Future Tek Model L24-SAS-SIM

Festo EasyVeep® Simulation Software Processes

EasyVeep 2.18

Settings   Modules   Conn.   Display

Elevator

Elevator

Number of digital sensors: 12
Number of digital actuators: 5

Difficulty:

Description:

Elevator with the following simplifications:

- There is no weight sensor and no Stop button in the cars

- All call buttons are constantly active. The call buttons in the car have higher priority.

3 sensors/buttons for calling the elevator on the relevant floor (0, 1, 2).

3 sensors/buttons in the elevator for selecting the destination floor (0, 1, 2).

EasyPort ??? / Elevator

EasyVeep 2.18

Settings   Modules   Conn.   Display

Level crossing with barrier

Level crossing with barrier

Number of digital sensors: 8
Number of digital actuators: 3

Difficulty:

Description:

Trains may approach a level crossing with a barrier from both directions. When a train is approaching, the barrier must be closed in good time and the traffic signal must be switched to red with the track-signalling unit. When the train has left the crossing and no further train is approaching, the barrier can be reopened and the traffic light can be switched over.

2 sensors for detecting whether a train from the right or left is on the level crossing.

2 sensors for detecting whether a train is coming from the

EasyPort ??? / Level crossing with barrier

EasyVeep 2.18

Settings   Modules   Conn.   Display

Greenhouse

Greenhouse

Number of digital sensors: 8
Number of digital actuators: 5

Difficulty:

Description:

The task is to always maintain the ambient conditions (relative humidity, temperature and soil moisture) in the greenhouse in the permitted limit value range for the plants. Many plants require lighting for more than 12 hours so that, in such cases, you also need to use artificial lighting. The required parameters, statuses and limit values are shown. All limit values are monitored by sensors.

The limit values can be varied with the mouse.

1 sensor for detecting whether natural light is too weak.

EasyPort ??? / Greenhouse

EasyVeep 2.18

Settings   Modules   Conn.   Display

Lock chamber

Lock chamber

Number of digital sensors: 11
Number of digital actuators: 6

Difficulty:

Description:

Ships arrive at the lock from both directions. The aim is to control the lock chamber so that the ships can pass the section of river with no accidents. The ships automatically enter the lock chamber when the entry signal shows green. They sail out when the exit gate is fully open.

For test purposes, you can stop ships approaching or have the ships continue to sail if you click with the mouse on the corresponding red lamp (bottom) or green lamp.

2 sensors for detecting whether the left-hand or right-hand lock gate is closed.

EasyPort ??? / Lock chamber

Future Tek Inc.®

Real-World Trainers for Real-World Jobs®

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