AC/DC Electrical Learning System – T7017A
Portable AC/DC Electrical Learning System – 990-ACDC1
Electric Relay Control Unit – 90-EC1A
Portable Electrical Relay Control Troubleshooting Learning System – 990-EC1F
Motor Braking Learning System – 85-MT5A
Reduced Voltage Starting Learning System – 85-MT5B
Electronic Sensors Learning System – 85-MT5D
Electronic Counter Learning System – 85-MT5E
SCR Speed Control Learning System – 85-MT5F
DC Generators Learning System – 85-MT2B
Alternators/Synchronous Motors Learning System – 85-MT2C
Wound Rotor Motor Learning System – 85-MT2D
Electric Motor Troubleshooting Learning System – 85-MT2E
Variable Frequency AC Drive – 85-MT5C
Portable AC Motor Drive Troubleshooting Learning System – 990-DRV1F
<table>
<thead>
<tr>
<th>Electronics</th>
</tr>
</thead>
<tbody>
<tr>
<td>Portable PLC Troubleshooting Learning System - Siemens S71200 (990-PS712F)</td>
</tr>
<tr>
<td>Portable PLC Troubleshooting Learning System - AB CompactLogix L16 (990-PAB53AF)</td>
</tr>
<tr>
<td>Smart Controls Troubleshooting System - (895-AB1)</td>
</tr>
<tr>
<td>PLC Troubleshooting Learning System - AB ControlLogix (890-AB5500)</td>
</tr>
</tbody>
</table>
PLC I/O Simulator Learning System (CompactLogix) – 87-IOSAB53A
PLC I/O Simulator Learning System (Siemens S7) – 87-IOSS7
Electronic Sensors Learning System - 85-SN1
Portable Electronic Sensor Training System - 990-SN1
Process Control

Level and Flow Process Control Troubleshooting Learning System – T5552F
Portable Process Control Troubleshooting Learning System - Level & Flow – 990-PC1F
**Tabletop Smart Factory**

Tabletop Mechatronics Learning System – 870-PTAB82

Servo Robot Station - Tabletop Mechatronics – 87-TMS4
Pegasus II Robotic Learning System – 880-RA21B

Tabletop Smart Ethernet Networks – 87-TENAB82

Tabletop Smart Visual Communications – 87-TVCAB

Tabletop Smart RFID/Sensors – 87-TMS5AB1

Tabletop Smart Manufacturing Execution – 87-TMEAB

Tabletop Smart Barcode – 87-TBR1AB
Automation Systems

Robotics and Computer Programming 1 Learning System – 94-RCP1
Pegasus Robotics Simulation Learning System – 88-RSS1
# Automation Systems

## Smart Factory Enterprise

<table>
<thead>
<tr>
<th>Mechatronics Learning System - AB CompactLogix L16 – 870-AB53A</th>
<th>Siemens S7-1500 – 870-S715</th>
</tr>
</thead>
<tbody>
<tr>
<td>Smart Networks - Ethernet – 87-ENAB53B</td>
<td>Smart Sensor Stations – 87-SN_AB53A</td>
</tr>
<tr>
<td>- Profinet – 87-ENS715</td>
<td>(1-4, 6-7, &amp; 9) – 87-SN_S715</td>
</tr>
<tr>
<td>Smart Barcodes – 87-BR2AB53A</td>
<td>Smart RFID – 87-RF1AB53A</td>
</tr>
<tr>
<td>- 87-BR2S715</td>
<td>- 87-RF1S715</td>
</tr>
<tr>
<td>Smart Troubleshooting – 87-FTSAB53A</td>
<td>Visual Communications – 87-VCAB53A</td>
</tr>
<tr>
<td>- 87-FTSS715</td>
<td>- 87-VCS715</td>
</tr>
<tr>
<td>Wireless Communications – 87-WLAB53A</td>
<td>Smart HMI – 87-HMIAB53A</td>
</tr>
<tr>
<td>- 87-WLS715</td>
<td>- 87-HMIS715</td>
</tr>
<tr>
<td>Vision – 87-VS1AB53A</td>
<td>Mechatronics Analog – 87-AAB53A7</td>
</tr>
<tr>
<td>- 87-VS1S715</td>
<td>- 87-AS-S7-1</td>
</tr>
<tr>
<td>Manufacturing Execution – 87-MEAB53A</td>
<td>Network Security – 87-NS1AB53A</td>
</tr>
<tr>
<td>- 87-MES715</td>
<td>- 87-NS1S715</td>
</tr>
<tr>
<td>Autonomous Mobile Robots – 87-AR13</td>
<td>Back to Chart</td>
</tr>
</tbody>
</table>
Smart Sensor Stations

Smart Factory Pneumatics/Vacuum Sensor Learning Systems – 87-SN1AB53A
– 87-SN1S715

Smart Factory Ultrasonic Sensor Learning Systems – 87-SN2AB53A
– 87-SN2S715

Smart Factory Photoeye Sensor Learning Systems – 87-SN3AB53A
– 87-SN3S715

Mechatronics Smart Device 4 Learning System - Stack Light – 87-SN4AB53A
– 87-SN4S715

Smart Factory Sensor 6 Learning Systems - Electrical Current – 87-SN6AB53A
– 87-SN6S715

Smart Factory Analog Position Learning System – 87-SN7AB53A
– 87-SN7S715

Smart Factory Sensor 9 Learning Systems - Analog Pressure – 87-SN9AB53A
– 87-SN9S715
Portable Measurement Tools Learning System – 990-MES1
Portable Precision Gauging – 990-PG1
Quality Assurance

Statistical Process Control – QS202
Statistical Process Control – QS304
Quality Tools – QS305
Manufacturing Processes

Computer Aided Design 1 - SolidWorks – 96-CAD1B
Computer Aided Design 2 - SolidWorks – 96-CAD2B
Basic Pneumatics Learning System – 850-P1
Controls Technology Learning System (Basic Pneumatics, Double Sided) – 850-PD1
Portable Pneumatics Learning System – 990-PN1
Fluid Power

Pneumatic Fitting Construction Learning System – 94-PFC-1
Mechanical Fabrication 1 Learning System – 950-MPF1
Intermediate Pneumatics Learning System – 85-IP
Portable Pneumatics Learning System – 990-PN1
Fluid Power

Electro-Fluid Power Learning System – 85-EF
Electro-Hydraulics Learning System – 85-EH
Electro-Pneumatics Learning System – 85-EP
Fluid Power

Controls Technology Learning System (Basic Hydraulics) – 850-H1
Controls Technology Basic Hydraulic Learning System - Double Sided – 850-HD1
Portable Basic Hydraulics Learning System – 990-BH1
Machining

CNC Machine Operator Program - FANUC Based Interface – 950-CNCOP1
CNC Machine Operator Program - HAAS Based Interface – 950-CNCOP2
Machining

CNC – CN101
Tooling – TL101
Grinding – PE203
Tooling for Grinding – TL204
Coolants and Oils – PT202
Work Holding – PT201
Gear Manufacturing – PT404
Tooling for Tapping – TL307
Turning – PE101
Machining Centers – PE102
Tooling for Machining Centers – TL203
Tooling for Turning Centers – TL202
FANUC CNC Control – CN102
Ferrous Metals – ML201
Non-Ferrous Metals – ML202
Heat Treatment – ML203
Plastics – ML204
Composites – ML205
Ceramics – ML206
Mechanical Drives 1 Learning System – 970-ME1
Portable Mechanical Drives 1 Learning System – 990-ME1M
Mechanical Drives 2 Learning System – 97-ME2
Portable Mechanical Drives 2 – 99-ME2M
Mechanical

Predictive Maintenance Vibration Analysis Learning System – 97-ME5A
Vibration Analysis Learning System – 95-ME5AI
Floor-Standing Belt Conveyor Learning System – 97-ME4D
Machine Tool Chip Conveyor Learning System – 97-ME4E
Roller Pack Machine Tool Axis Learning System – 97-ME4A
Plain Bearing Machine Tool Axis Learning System – 97-ME4B
Turbine Pump Learning System – 95-PM1-B
Diaphragm Pump Learning System – 95-PM1-C
Peristaltic Pump Learning System – 95-PM1-D
Piston Pump Learning System – 95-PM1-E
Gear Pump Learning System – 95-PM1-F
Magnetic Pump Learning System – 95-PM1-G
Centrifugal Pump with Stuffing Box Learning System – 95-PM1-H
Solar & Wind Energy

Alternative Energy Learning System - Wind and Solar – 850-AEC
Alternative Energy Learning System - Solar – 850-AES
Solar & Wind Energy

Alternative Energy Learning System - Wind and Solar – 850-AEC