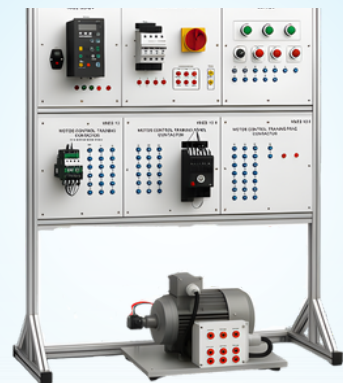
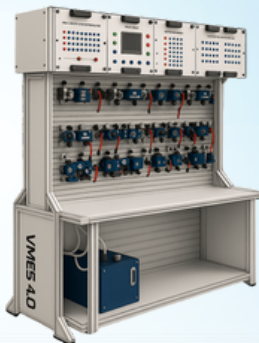
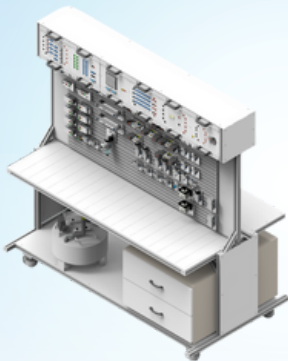
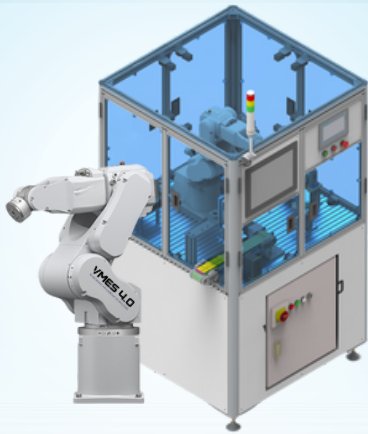


# CATALOG

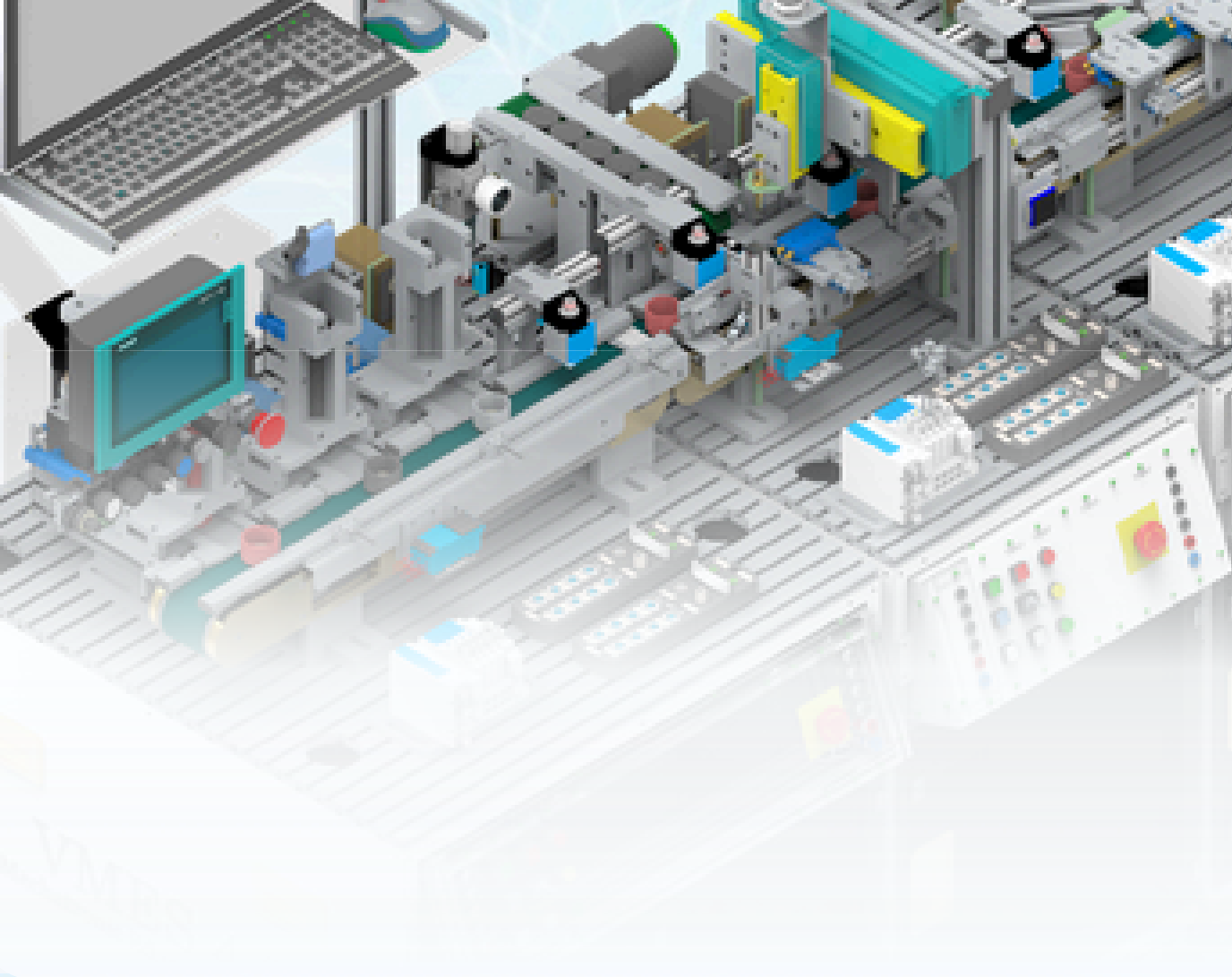
# TECHNICAL

# EDUCATION SOLUTION



# VMES 4.0

TRANSFORMING WITH EMERGING TECHNOLOGIES



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## ABOUT US

# VMES 4.0

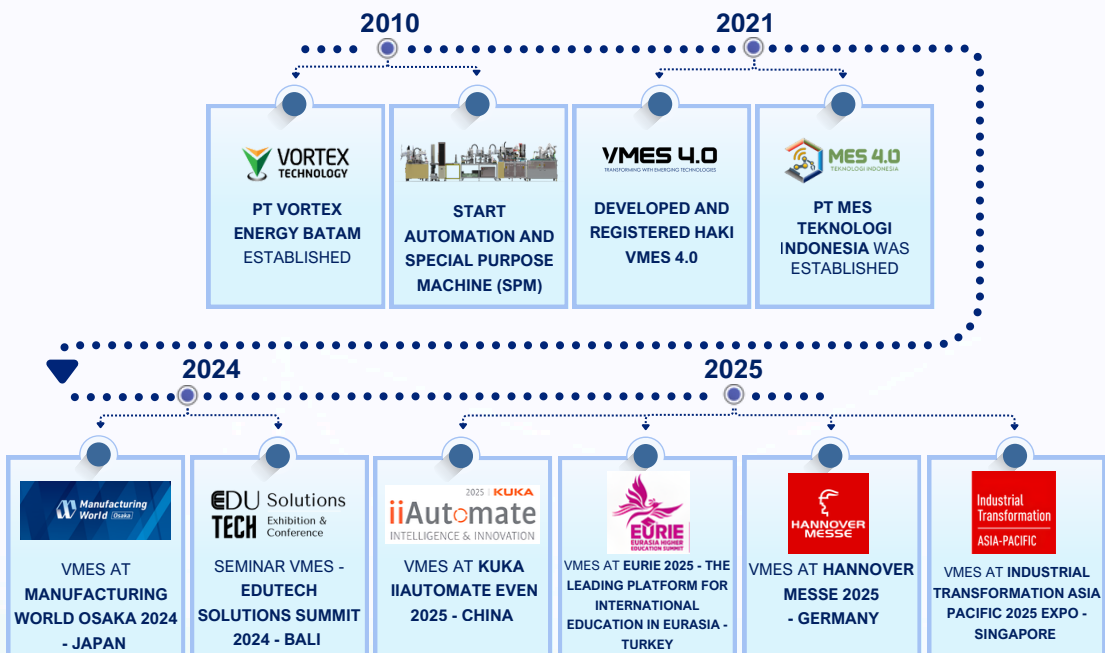
TRANSFORMING WITH EMERGING TECHNOLOGIES

With **experience since 2010**, VMES 4.0 has actively contributed to the professional industrial sector by delivering high-quality industrial machine systems and automation solutions tailored to a wide range of industrial needs and applications.

Driven by a strong commitment to accelerating industrial innovation, VMES 4.0 also focuses on advancing Indonesia's education sector through **Technical Education Solutions** that align with industry standards while optimizing local resources.

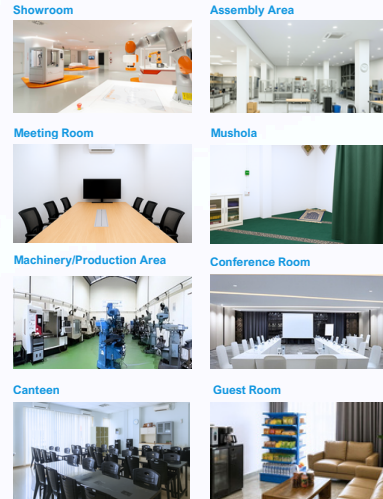
VMES 4.0 **serves as a bridge between industry and education**, preparing skilled and job-ready human resources to meet the challenges of the modern industrial landscape.

## OUR HISTORY

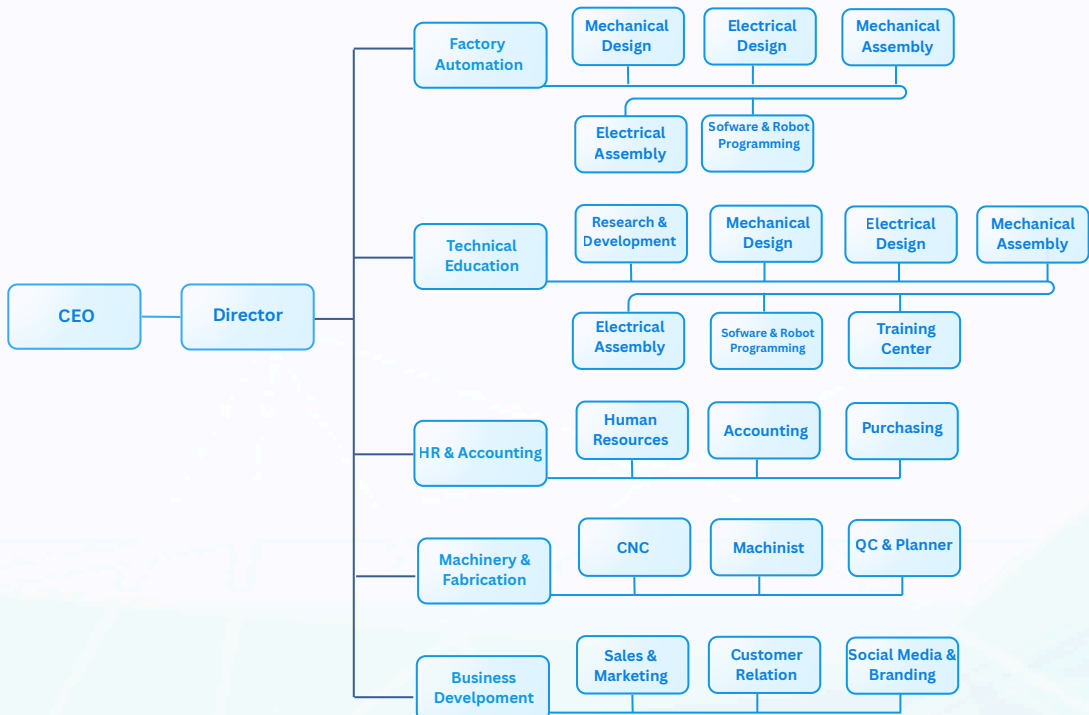


# OUR FACILITIES

## MAIN BUILDING



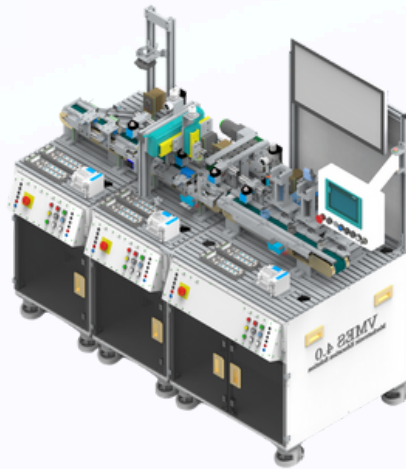
# OUR TEAM



## OUR PRODUCTS AND SOLUTIONS

### Industrial Solution

- Industrial Automation
- Warehouse Management & Automation
- IoT, SCADA and Industrial Monitoring System
- Robotic Application
- Building Automation System (BAS)
- SMT Industrial Solutions



### Technical Education Solution

- Basic & Compact
- Smart Manufacturing Industry 4.0
- Industrial Robot
- Pneumatic & Hydraulic
- Drive Technology
- Sensor & Vision System
- Renewable Energy & Green Technology
- Electrical & Power
- Electronics
- Building Automation System
- Machinery
- Industrial Machine
- Process Control System
- Automotive & Transformation
- Heating, Ventilation, AC, and Refrigeration
- Robot Welding, Positioner and Linear
- Oil & Gas
- Agricultural Technology
- Practice Table

# CERTIFICATIONS

<p><b>ISO CERTIFICATE</b></p>	<p><b>VMES 4.0 BRAND CERTIFICATE</b></p>	<p><b>INDONESIA AUTHORIZED SYSTEM INTEGRATOR OF YASKAWA ROBOTIC</b></p>	<p><b>INDONESIA AUTHORIZED SYSTEM INTEGRATOR OF DOBOT</b></p>
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<p><b>AUTHORIZED REXROTH CERTIFICATE</b></p>	<p><b>INDONESIA AUTHORIZED SYSTEM INTEGRATOR OF SICK SENSOR INTELLIGENCE</b></p>	<p><b>INDONESIA AUTHORIZED OF AITEN AGV/ AMR</b></p>	<p><b>AUTHORIZED OF KUKA CERTIFICATE</b></p>	<p><b>AUTHORIZED MISUMI CERTIFICATE</b></p>
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<p><b>INDONESIA AUTHORIZED PARTNER OF EPSON ROBOT</b></p>	<p><b>AUTHORIZED OF BECKHOFF CERTIFICATE</b></p>	<p><b>TKDN CERTIFICATE</b></p>
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**GOVERNOR OF THE RIAU ISLANDS**

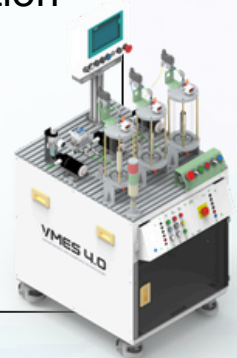
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# PRODUCT CATEGORIES

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## Technical Education Solution

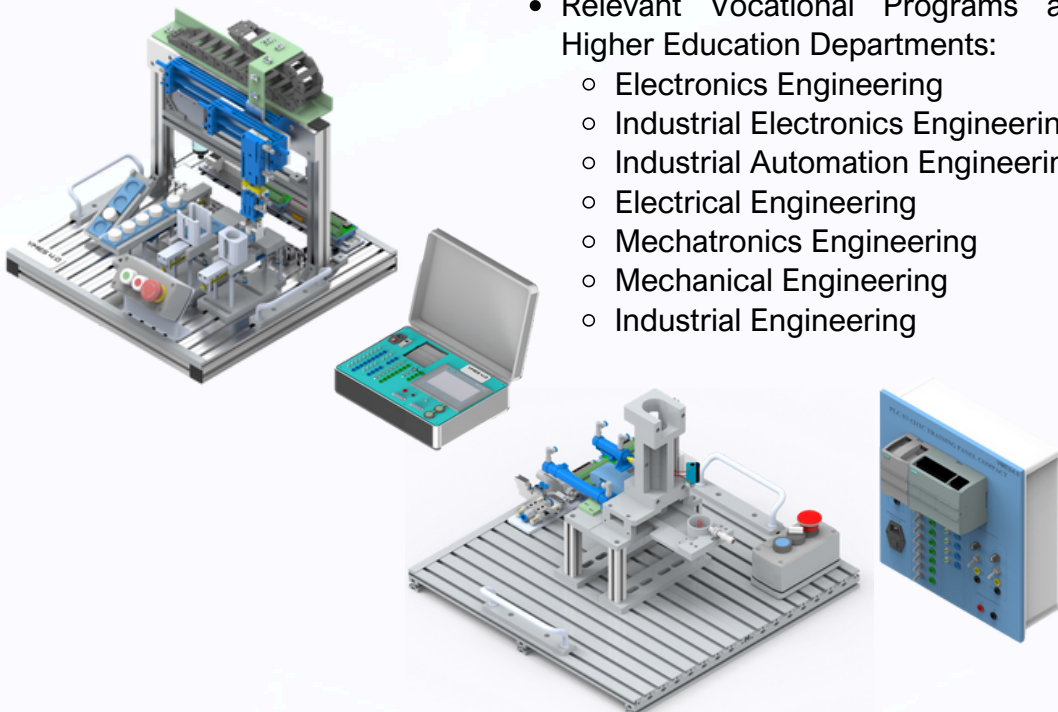
1. Basic & Compact
2. Smart Manufacturing Industry 4.0
3. Industrial Robot
4. Pneumatic & Hydraulic
5. Drive Technology
6. Sensor & Vision System
7. Renewable Energy & Green Technology
8. Electrical & Power
9. Electronics
10. Building Automation System
11. Machinery
12. Industrial Machine
13. Process Control System
14. Automotive & Transformation
15. Heating, Ventilation, AC, and Refrigeration
16. Robot Welding, Positioner and Linear
17. Oil & Gas
18. Agricultural Technology
19. Practice Table



## BASIC & COMPACT

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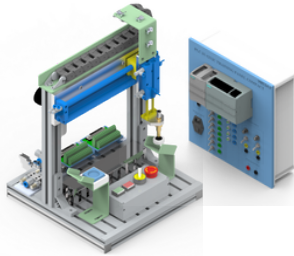
**Basic & Compact** is an industrial automation learning system that simulates real manufacturing processes such as pick & place operations, conveyor-based sorting, pressing, and storage and retrieval systems. This module is designed to introduce automated control concepts based on **mechanical, electrical, and PLC systems at a laboratory scale**, enabling learners to directly understand and analyze the working **principles of sensors, actuators, and Industry 4.0 control systems through hands-on experience.**



- Relevant Vocational Programs and Higher Education Departments:
  - Electronics Engineering
  - Industrial Electronics Engineering
  - Industrial Automation Engineering
  - Electrical Engineering
  - Mechatronics Engineering
  - Mechanical Engineering
  - Industrial Engineering

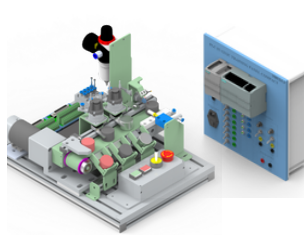
- Relevant Career Skills:
  - Technician & Industrial Automation Engineer
  - Programmer & PLC Integrator
  - Mechatronic Engineer & Robotic Engineer
  - Industrial Engineer & Manufacturing Engineer
  - 4.0 & IoT Specialist

## 1. BASIC & COMPACT



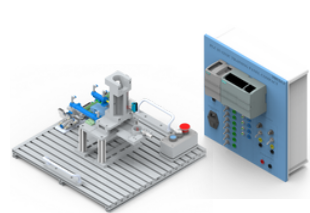
**MES-BASIC-A101**

Basic Pick and Place  
with PLC



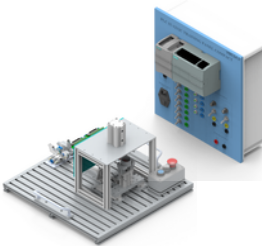
**MES-BASIC-A102**

Basic Conveyor Sorting  
with PLC



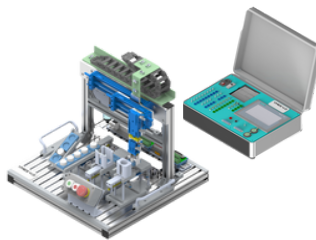
**MES-BASIC-A103**

Basic Feeding Training  
with PLC



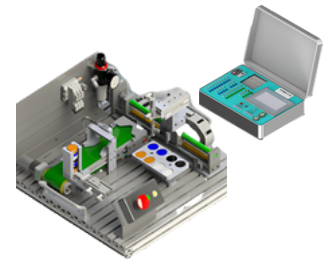
**MES-BASIC-A104**

Basic Pressing  
with PLC



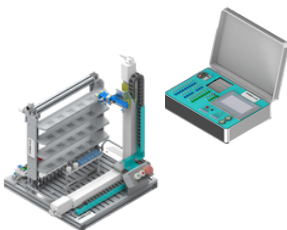
**MES-COMPACT-A201**

Compact Pick and Place  
System with PLC & HMI



**MES-COMPACT-A202**

Compact Conveyor & Color  
Sorting System with PLC &  
HMI



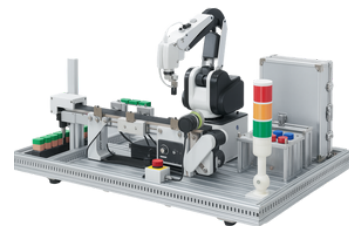
**MES-COMPACT-A203**

Compact Storage and  
Retrieval System with  
PLC & HMI



**MES-COMPACT-A204**

PLC & SCADA Training Kit



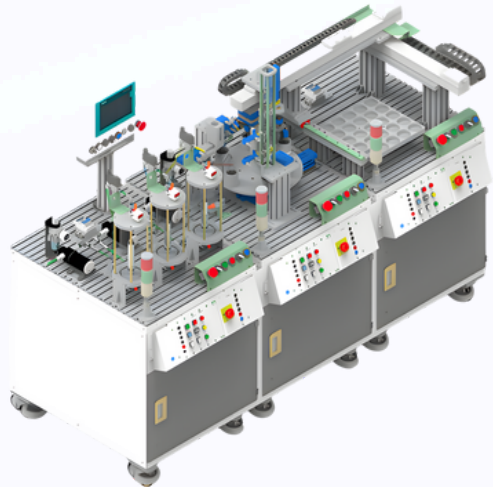
**MES-COMPACT-A205**

Compact Educational Robot  
with Conveyor

## SMART MANUFACTURING INDUSTRY

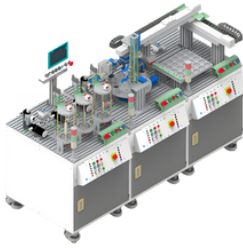
**Smart Manufacturing Industry** is an integrated learning system that simulates the Industry 4.0 ecosystem through digitally driven and sensor-based automated production processes. This module trains learners to understand **manufacturing system integration, including PLCs, robotics, sensors, industrial communication networks, IoT, and SCADA**, enabling them to comprehend **smart factory workflows, data management, and process efficiency through automation and connectivity**.

- Relevant Vocational Programs and Higher Education Departments:
  - Electronics Engineering
  - Industrial Electronics Engineering
  - Industrial Automation Engineering
  - Electrical Engineering
  - Mechanical Engineering
  - Industrial Engineering
  - Computer and Network Engineering
  - Industrial Information Systems Engineering



- Relevant Career Skills:
  - Smart Factory Engineer
  - Automation Engineer
  - Robotics Engineer
  - IoT Engineer
  - SCADA System Engineer
  - Manufacturing Data Engineer
  - Mechatronics Engineer
  - Industrial System Designer
  - Maintenance Engineer
  - Industrial Digital Transformation Specialist
  - Smart Factory and Automation Instructor

## 2. SMART MANUFACTURING INDUSTRY



**MES-SMI-T201**

Smart Manufacturing  
Industry 4.0 (SMI) T201



**MES-SMI-T201 - ST1**

Smart Manufacturing  
Industry 4.0 (SMI) T201  
Station 1



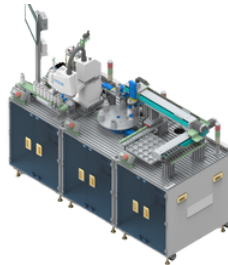
**MES-SMI-T201-ST2**

Smart Manufacturing  
Industry 4.0 (SMI) T201  
Station 2



**MES-SMI-T201-ST3**

Smart Manufacturing  
Industry 4.0 (SMI) T201  
Station 3



**MES-SMI-C203**

Smart Manufacturing  
Industry 4.0 (SMI) C203



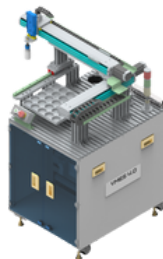
**MES-SMI-C203-ST1**

Smart Manufacturing  
Industry 4.0 (SMI) C203  
Station 1-



**MES-SMI-C203 - ST2**

Smart Manufacturing  
Industry 4.0 (SMI) C203  
Station 2



**MES-SMI-C203 - ST3**

Smart Manufacturing  
Industry 4.0 (SMI) C203  
Station 3



**MES-SMI-C204**

Smart Manufacturing  
Industry 4.0 (SMI) C204

## 2. SMART MANUFACTURING INDUSTRY



**MES-SMI-C204 - ST1**

Smart Manufacturing  
Industry 4.0 (SMI) C204  
Station 1



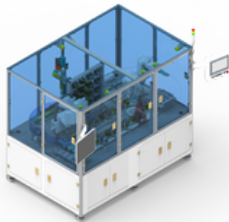
**MES-SMI-C204 - ST2**

Smart Manufacturing  
Industry 4.0 (SMI) C204  
Station 2



**MES-SMI-C204-ST3**

Smart Manufacturing  
Industry 4.0 (SMI) C204  
Station 3



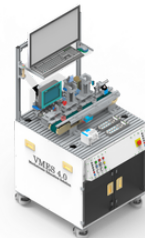
**MES-SMI-C205**

Smart Manufacturing  
Industry 4.0 (SMI) C205



**MES-SMI-C207**

Smart Manufacturing  
Industry 4.0 (SMI) C207



**MES-SMI-C207 - ST1**

Smart Manufacturing  
Industry 4.0 (SMI) C207  
Station 1



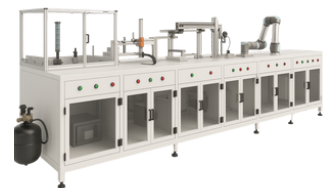
**MES-SMI-C207 - ST2**

Smart Manufacturing  
Industry 4.0 (SMI) C207  
Station 2



**MES-SMI-C207 - ST3**

Smart Manufacturing  
Industry 4.0 (SMI) C207  
Station 3



**MES-SMI-C301**

Integrated Smart  
Manufacturing Line

## 2. SMART MANUFACTURING INDUSTRY



**MES-SMI-C302- ST3**

Smart Manufacturing  
Industry 4.0 (SMI) C302  
Station 3



**MES-SMI-C302 - ST2**

Smart Manufacturing  
Industry 4.0 (SMI) C302  
Station 2



**MES-SMI-C302 - ST1**

Smart Manufacturing  
Industry 4.0 (SMI) C302  
Station 1



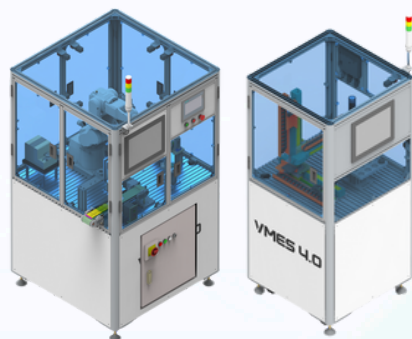
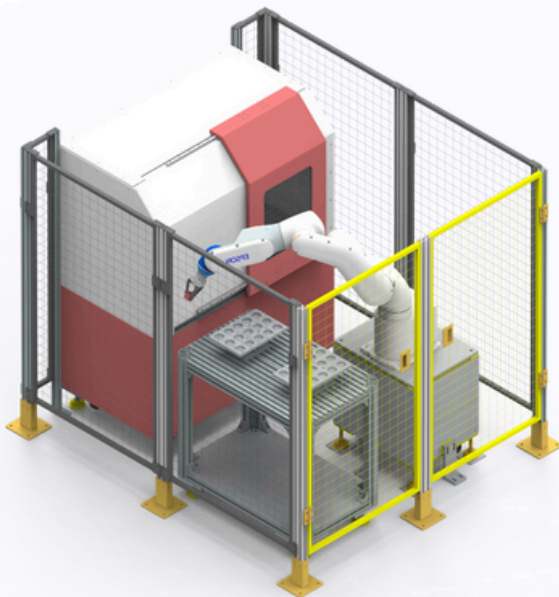
**MES-SMI-C302**

Smart Manufacturing  
Industry 4.0 (SMI) C302

# INDUSTRIAL ROBOT

**Industrial Robot** is a learning system designed to introduce modern industrial robotics technology used in automated manufacturing processes such as palletizing, assembly, machine handling, and integration with CNC systems. This module trains learners to **operate, program, and integrate multi-axis industrial robots with control systems and supporting sensors**. Through simulation-based training and the use of real robotic equipment such as SCARA robots and 6-axis robots, learners gain a comprehensive understanding of **production efficiency, workplace safety, and the application of robotics technology within the Industry 4.0 environment**.

- Relevant Vocational Programs and Higher Education Departments:
  - Mechatronics Engineering
  - Industrial Automation Engineering
  - Industrial Electronics Engineering
  - Robotics Engineering
  - Electrical Engineering
  - Industrial Engineering
  - Mechanical Engineering
- Relevant Career Skills:
  - Robotics Engineer
  - Robotics Technician
  - Automation Engineer
  - Mechatronics Engineer
  - CNC Integration Specialist
  - Industrial System Designer
  - Maintenance Engineer
  - Industrial Automation Specialist
  - Industrial Robotics Instructor

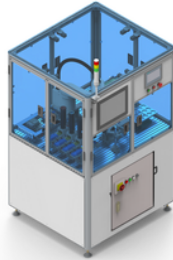


### 3. INDUSTRIAL ROBOT



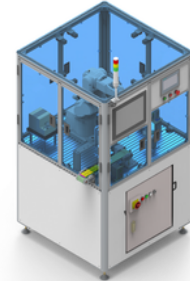
**MES-ROBOT-O301**

Integrated 6 - Axis Industrial Robot



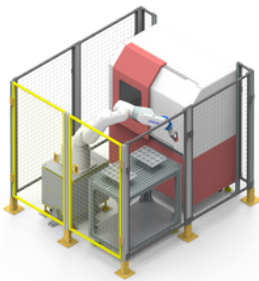
**MES-ROBOT-O201**

Industrial Robot SCARA Assembly and Application



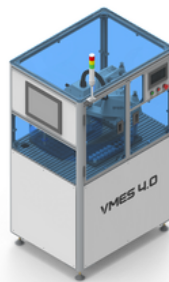
**MES-ROBOT-O202**

Industrial Robot 6-Axis Assembly and Application



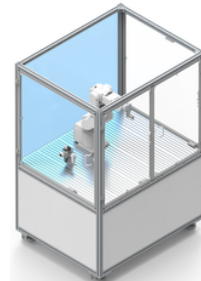
**MES-ROBOT-O203**

Industrial Robot CNC Machine Handling Application



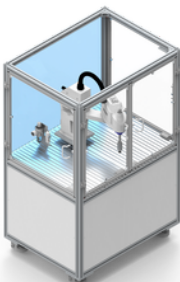
**MES-ROBOT-O204**

Industrial Robot SCARA Palletizing Application



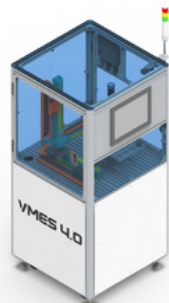
**MES-ROBOT-O205**

6-Axis Robot Industrial Robot C4 with Table Base and Cover



**MES-ROBOT-O206**

SCARA Industrial Robot with Table Base and Cover



**MES-ROBOT-O207**

Industrial 3-Axis Robot Trainer



**MES-ROBOT-O302**

7-Axis Collaborative Robot Trainer

### 3. INDUSTRIAL ROBOT



**MES-ROBOT-O303**  
Pick & Place 6-Axis Industrial Robot Training System



**MES-ROBOT-O304**  
Pick & Place 6-Axis Collaborative Robot Training System



**MES-ROBOT-O305**  
Integrated 6-Axis Collaborative Robot with Interface



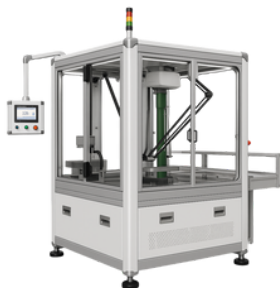
**MES-ROBOT-O306**  
Integrated 6 - Axis Industrial Robot with Vision and Programming Application



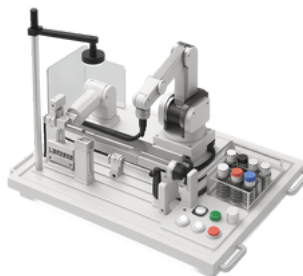
**MES-ROBOT-O307**  
Integrated 6 - Axis Collaborative Robot and Programming Application



**MES-ROBOT-O308**  
Integrated 6 - Axis Industrial Robot Application with Pendant, Interface and Industrial Kit



**MES-ROBOT-O309**  
Integrated Delta Robot and Programming Application



**MES-ROBOT-O310**  
Tabletop 4-Axis Industrial Robot with Vision and Industrial Application



**MES-ROBOT-O311**  
Tabletop 6-Axis Collaborative Robot with Vision and Industrial Application

### 3. INDUSTRIAL ROBOT



**MES-ROBOT-0312**

Gantry Robot Screwing Machine



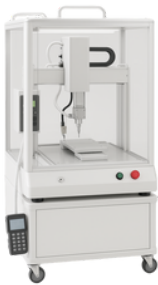
**MES-ROBOT-0313**

Screwing Robot with Screw Blow Feeder



**MES-ROBOT-0314**

Screwing Robot with Screw Blow Feeder and Dual Y Axis



**MES-ROBOT-0315**

Solar Panel Soldering Robot



**MES-ROBOT-0316**

Soldering Robot with Dual Y Axis and Dual Iron Tip



**MES-ROBOT-0317**

Dispensing Robot with Y Axis



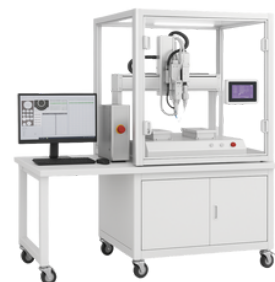
**MES-ROBOT-0318**

Screwing Robot with Screw Suction Feeder



**MES-ROBOT-0319**

Servo Actuator Screwing with Screw Blow Feeder



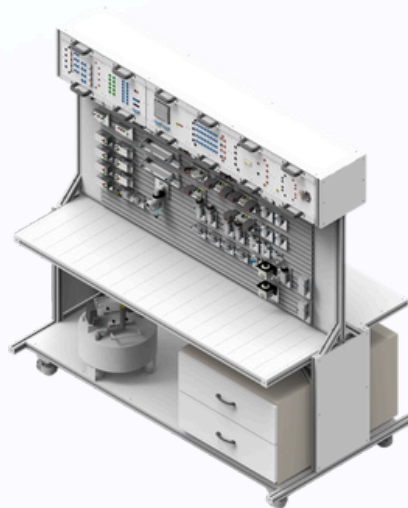
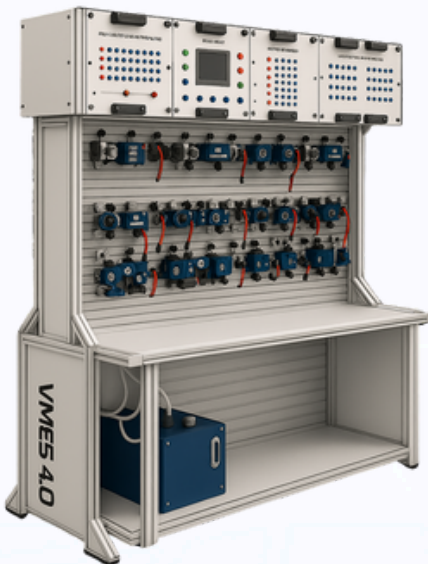
**MES-ROBOT-0320**

Desktop Laser Soldering Robot

## PNEUMATIC & HYDRAULIC

**Pneumatic & Hydraulic** is a learning system designed to help students understand the principles, components, and applications of fluid power systems that are widely used in industrial automation. This module trains students to **design, assemble, and control pneumatic and hydraulic systems, both manually and automatically, through integration with electro-pneumatic and electro-hydraulic systems.** By combining theory with hands-on practice using standard industrial components such as cylinders, valves, pumps, and PLC control units, **students can master troubleshooting techniques, energy efficiency, and occupational safety in industrial fluid systems.**

- Relevant Vocational Programs and Higher Education Departments:
  - Mechatronics Engineering
  - Industrial Automation Engineering
  - Mechanical Engineering
  - Industrial Electronics Engineering
  - Electrical Engineering
  - Industrial Engineering



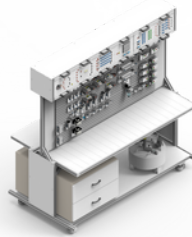
- Relevant Career Skills:
  - Pneumatic and Hydraulic System Engineer
  - Maintenance Engineer
  - Industrial Automation Engineer
  - Control System Engineer
  - Mechatronics Engineer
  - Industrial System Designer
  - Fluid Power Specialist
  - Pneumatic and Hydraulic Instructor

## 4. PNEUMATIC & HYDRAULIC



**MES-PNEUMATIC-D201**

Basic Electro Pneumatic Training



**MES-PNEUMATIC-D202**

Advance Electro Pneumatic Training



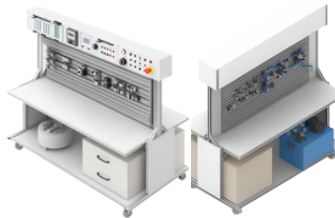
**MES-HYDRAULIC-D201**

Basic Electro Hydraulic Training



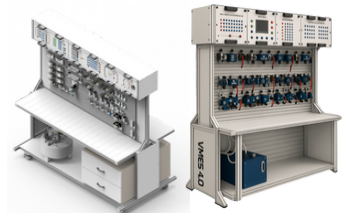
**MES-HYDRAULIC-D202**

Advance Electro Hydraulic Training



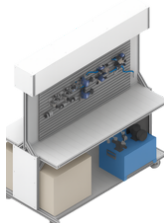
**MES-PNEUMATIC-HYDRAULIC-D201**

Basic Electro Pneumatic and Hydraulic Training



**MES-PNEUMATIC-HYDRAULIC-D202**

Advance Electro Pneumatic and Hydraulic Training



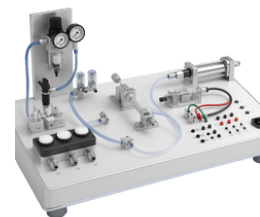
**MES-HYDRAULIC-D203**

Rexroth Basic Hydraulic Training



**MES-HYDRAULIC-D204**

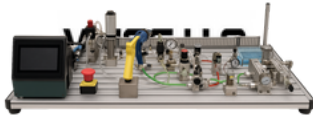
Rexroth Basic Electro Hydraulic Training



**MES-PNEUMATIC-D301**

Compact Pneumatic Trainer

## 4. PNEUMATIC & HYDRAULIC



**MES-PNEUMATIC-D302**

Basic Electro Pneumatic Training



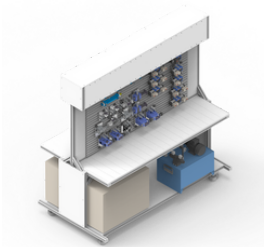
**MES-PNEUMATIC-D303**

Advance Table Electro Pneumatic Training Kit



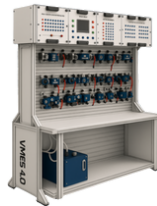
**MES-PNEUMATIC-D304**

VMES4.0 Air Compressor



**MES-HYDRAULIC-D301**

Rexroth Advanced Hydraulic Training Kit



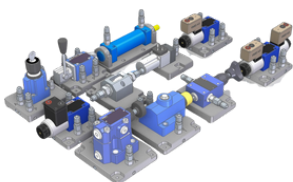
**MES-HYDRAULIC-D302**

Rexroth Advanced Electro Hydraulic Training Kit



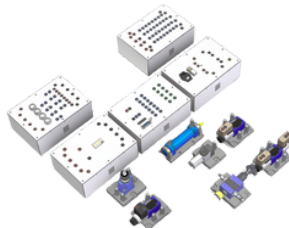
**MES-HYDRAULIC-D303**

Rexroth Supplementary Basic Hydraulic to Basic Electro-Hydraulic



**MES-HYDRAULIC-D304**

Rexroth Supplementary Basic Hydraulic to Advance Hydraulic



**MES-HYDRAULIC-D305**

Rexroth Supplementary Basic Electro-Hydraulic to Advance Electro-Hydraulic



**MES-HYDRAULIC-D306**

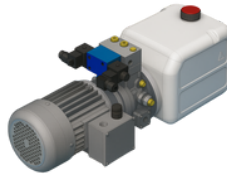
Compact Case Hydraulic Trainer

## 4. PNEUMATIC & HYDRAULIC



**MES-HYDRAULIC-D307**

VMES4.0 Hydraulic Power Unit



**MES-HYDRAULIC-D308**

Compact Hydraulic Power Unit



**MES-HYDRAULIC-D309**

Rexroth Basic Hydraulic Training Kit with Mesh Mounting



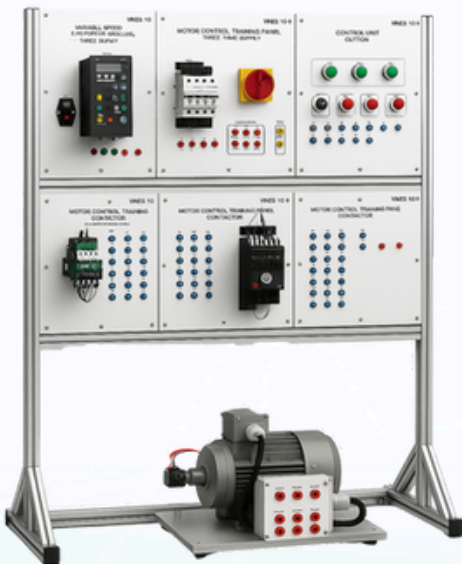
**MES-HYDRAULIC-D310**

Rexroth Electro Hydraulic Training Kit with Mesh Mounting

## DRIVE TECHNOLOGY

**Drive Technology** is a learning system designed to introduce the operating principles and control of electric motors and servo systems, which are key components in modern industrial automation. This module trains students to understand the characteristics of **AC/DC motors, variable speed drives (VSD), as well as position and speed control in servo systems and Cartesian robots.** Through hands-on practice, students learn **how to configure, calibrate, and integrate motors with sensors and controllers within automation systems.**

- Relevant Vocational Programs and Higher Education Departments:
  - Mechatronics Engineering
  - Industrial Automation Engineering
  - Industrial Electronics Engineering
  - Electrical Engineering
  - Industrial Engineering
  - Mechanical Engineering
- Relevant Career Skills:
  - Motion Control Engineer
  - Automation Engineer
  - Electrical Engineer
  - Mechatronics Engineer
  - Servo System Specialist
  - Maintenance Engineer
  - System Integrator
  - Industrial System Designer
  - Motor and Servo Control Instructor



## 5. DRIVE TECHNOLOGY



**MES-MOTOR-E201**

Compact PLC Automation  
Training Kit



**MES-MOTOR-E206**

AC Motor & VFD Control  
Trainer



**MES-MOTOR-E207**

Siemens SINAMICS Drive  
Trainer Case



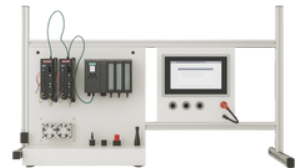
**MES-MOTOR-E208**

VFD Control Training System



**MES-MOTOR-E209**

Industrial Motion Control  
Trainer



**MES-MOTOR-E210**

Advanced Smart Motion  
Control Learning System



**MES-MOTOR-E211**

Servo Motor Training  
System



**MES-MOTOR-E212**

Servo Conveyor Motion  
Simulation Trainer



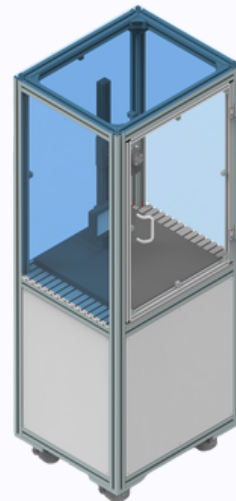
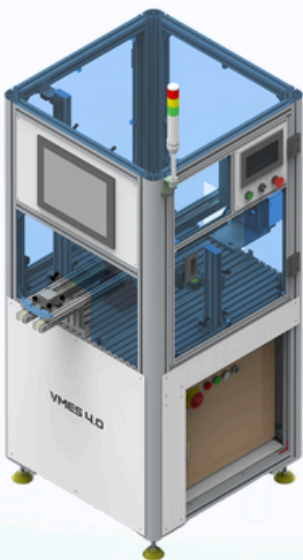
**MES-MOTOR-E213**

Industrial Inverter Control  
Panel

## SENSOR & VISION SYSTEM

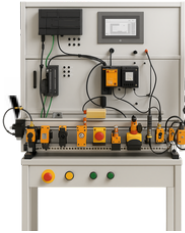
**Sensor & Vision System** is a learning system designed to help students understand the principles and applications of industrial sensors and machine vision systems in modern automation. This module trains students to identify various types of **sensors—such as distance, light, color, and code readers—and to integrate them with control systems and robotics.** Through hands-on exercises using industrial sensors and vision systems such as Keyence and Sick, students learn to **analyze object detection, quality inspection, and intelligent sensor communication systems that play a vital role in smart manufacturing.**

- Relevant Vocational Programs and Higher Education Departments:
  - Mechatronics Engineering
  - Industrial Automation Engineering
  - Industrial Electronics Engineering
  - Computer and Network Engineering
  - Electrical Engineering
  - Industrial Engineering
  - Automation Systems Engineering



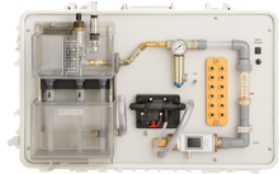
- Relevant Career Skills:
  - Sensor and Vision System Engineer
  - Automation Engineer
  - Robotics Engineer
  - Machine Vision Specialist
  - Mechatronics Engineer
  - Quality Control & Inspection Engineer
  - Smart Manufacturing Engineer
  - Sensor and Vision System Instructor

## 6. SENSOR & VISION SYSTEM



**MES-SENSOR-K301**

Industrial Smart Sensor & Sensor Communication Training System



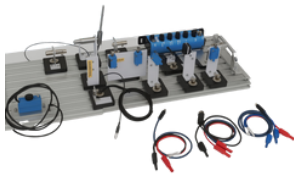
**MES-SENSOR-K302**

Compact Process & Smart Sensor Trainer



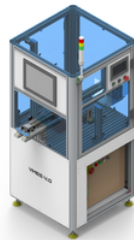
**MES-SENSOR-K201**

Fundamental Sensor Technology Trainer



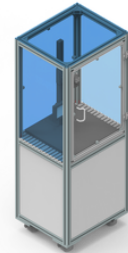
**MES-SENSOR-K202**

SICK Sensor Training System



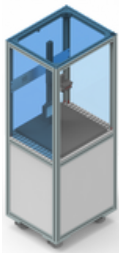
**MES-VISION-J201**

Machine Vision Training System with Conveyor Module



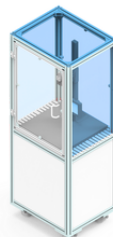
**MES-VISION-J301**

SICK Advance Vision Training System



**MES-VISION-J302**

SICK 3D Scanner Camera



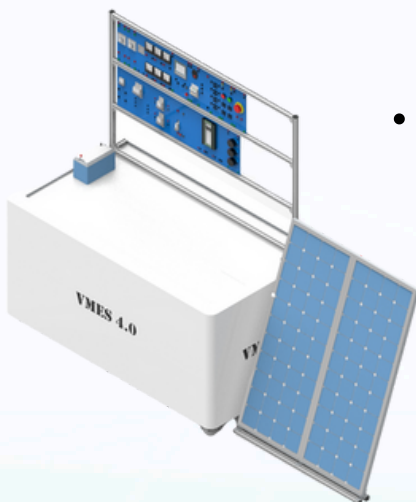
**MES-VISION-J-303**

SICK Code Reader Training System

## RENEWABLE ENERGY & GREEN TECHNOLOGY

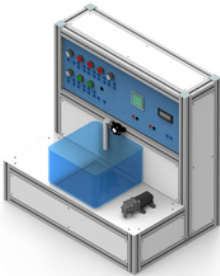
**Renewable Energy & Green Technology** is a learning system designed to introduce the concepts, operating principles, and applications of renewable energy technologies—such as solar, wind, and hydropower—at an educational laboratory scale. This module trains students to understand energy conversion **processes, power storage systems, load control, and the efficient and sustainable integration of multiple energy sources.** Through simulations of solar panel systems, wind turbines, and micro-hydropower plants, students can analyze the **performance of renewable energy systems while gaining insight into their role in intelligent and environmentally friendly electrical power systems.**

- Relevant Vocational Programs and Higher Education Departments:
  - Renewable Energy Engineering
  - Electrical Engineering
  - Mechatronics Engineering
  - Industrial Electronics Engineering
  - Energy Engineering
  - Environmental Engineering



- Relevant Career Skills:
  - Renewable Energy Engineer
  - Electrical Engineer
  - Energy System Designer
  - Power Plant Technician
  - Sustainability & Efficiency Engineer
  - Renewable Energy Technician
  - Smart Grid Engineer

## 7. RENEWABLE ENERGY & GREEN TECHNOLOGY



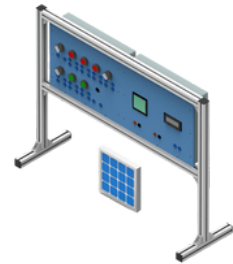
**MES-RENEWABLE-ENERGY-R201**

Micro Hydro Basic Capacity with 12VDC Generator



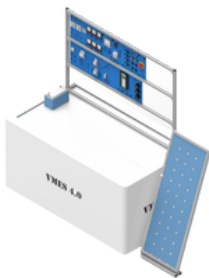
**MES-RENEWABLE-ENERGY-R202**

Micro Hydro Advance Training Kit with 1 kW Generator



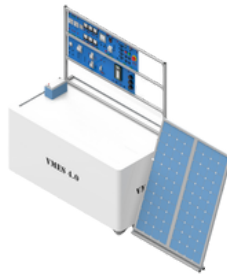
**MES-RENEWABLE-ENERGY-R203**

Solar Energy Training System - Basic System with 6wp Solar Panel



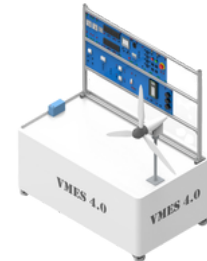
**MES-RENEWABLE-ENERGY-R204**

Solar Energy Training System - Intermediate System with 100wp Solar Panel



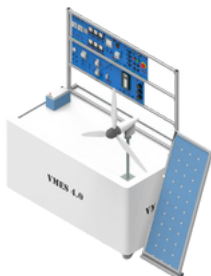
**MES-RENEWABLE-ENERGY-R205**

Solar Energy Training System with 500wp Solar Panel



**MES-RENEWABLE-ENERGY-R206**

Wind Turbine Energy Training System with 500 Watt Generator



**MES-RENEWABLE-ENERGY-R207**

Solar and Wind Turbine Training System



**MES-RENEWABLE-ENERGY-R208**

Renewable Wind Power Teaching System



**MES-RENEWABLE-ENERGY-R209**

On-Grid Renewable Energy Installation Training System

## 7. RENEWABLE ENERGY & GREEN TECHNOLOGY



**MES-RENEWABLE-ENERGY-R210**

Geothermal Heating & Energy Absorption Trainer



**MES-RENEWABLE-ENERGY-R211**

Renewable Air Heating Trainer



**MES-RENEWABLE-ENERGY-R212**

Wind Power Energy Conversion Trainer



**MES-RENEWABLE-ENERGY-R213**

Solar Tracking & Orientation Control Trainer



**MES-RENEWABLE-ENERGY-R214**

Biodiesel Production & Process Control Trainer



**MES-RENEWABLE-ENERGY-R215**

Wind Turbine Generator Trainer



**MES-RENEWABLE-ENERGY-R216**

Hybrid Solar-Wind Power Generation Trainer



**MES-RENEWABLE-ENERGY-R217**

Tabletop Wind Power Trainer



**MES-RENEWABLE-ENERGY-R218**

Tabletop Solar Energy Trainer

## ELECTRICAL & POWER

**Electrical & Power** is a learning system designed to provide a comprehensive understanding of electrical fundamentals, power distribution systems, and electrical control used in industrial environments. This module trains students to **assemble AC/DC electrical circuits, relay control systems, electrical installations, as well as energy monitoring and control using modern technologies.** Through a combination of theory and hands-on practice, students learn about **workplace safety, energy efficiency, and the application of intelligent monitoring systems that support the smart factory concept.**



- Relevant Vocational Programs and Higher Education Departments:
  - Electrical Engineering
  - Industrial Electronics Engineering
  - Industrial Automation Engineering
  - Mechatronics Engineering
  - Energy Engineering

- Relevant Career Skills:
  - Electrical Engineer
  - Power System Engineer
  - Automation Engineer
  - Maintenance Engineer
  - Energy Management Specialist
  - Smart Factory Engineer
  - Electrical and Power System Instructor



## 8. ELECTRICAL & POWER



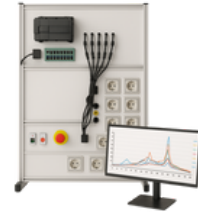
**MES-ELECTRICAL-P101**

Electrical Power Supply for Factory Training System



**MES-ELECTRICAL-P102**

Electrical Installation & Maintenance Training System



**MES-ELECTRICAL-P103**

Advanced Energy Monitoring & Control Training System



**MES-ELECTRICAL-P104**

Compact AC/DC Electrical Trainer System



**MES-ELECTRICAL-P105**

Compact Relay Control Trainer System



**MES-ELECTRICAL-P106**

ATS Electrical Cabinet Installation Model



**MES-ELECTRICAL-P107**

Motor Control Inverter Trainer



**MES-ELECTRICAL-P108**

Three-Phase Power Distribution Training System



**MES-ELECTRICAL-P109**

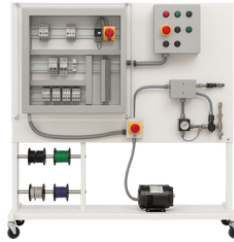
Single-Phase Power Distribution Training System

## 8. ELECTRICAL & POWER



**MES-ELECTRICAL-P110**

Control Electrical Panel



**MES-ELECTRICAL-P111**

Electrical Wiring Training System



**MES-ELECTRICAL-P112**

Low Voltage Electrical Capacitor Bank Trainer



**MES-ELECTRICAL-P113**

Circuit Breaker Training Cabinet System



**MES-ELECTRICAL-P114**

Medium Voltage Metering Cabinet Training System



**MES-ELECTRICAL-P115**

Electrical Installation Cabin Trainer



**MES-ELECTRICAL-P116**

Industrial Capacitor Bank Control System



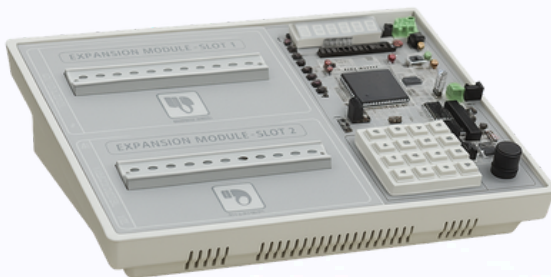
**MES-ELECTRICAL-P117**

Maintenance Electrician Training and Assessment System

## ELECTRONICS

**Electronics is a learning system** designed to introduce basic to advanced concepts in industrial electronics and microcontroller-based control systems. This module trains students to **understand analog and digital electronic circuits, the use of sensors and actuators, and the integration of Arduino-based systems and virtual instrumentation.** Through hands-on practice using measurement devices such as PC-based oscilloscopes and electronic power control modules, students learn to **analyze signals, design control systems, and apply modern electronics-based automation principles.**

- Relevant Vocational Programs and Higher Education Departments:
  - Industrial Electronics Engineering
  - Mechatronics Engineering
  - Industrial Automation Engineering
  - Computer Engineering
  - Electrical Engineering
  - Engineering Education (Technical/Vocational Education)



- Relevant Career Skills:
  - Electronics Engineer
  - Automation Engineer
  - Embedded System Developer
  - Mechatronics Engineer
  - Electrical Design Engineer
  - Instrumentation & Control Specialist
  - Industrial Electronics Instructor

## 9. ELECTRONICS



**MES-ELECTRONICS-Q101**

IoT & Sensor System  
Training Kit



**MES-ELECTRONICS-Q102**

Raspberry Pi Advanced  
Embedded Trainer



**MES-ELECTRONICS-Q103**

Fundamental Electronics  
Circuit Trainer



**MES-ELECTRONICS-Q104**

Electronic Power & Control  
System Trainer



**MES-ACQUISITION-I207**

Arduino Sensor & Interface  
Trainer



**MES-ACQUISITION-I208**

Smart Home IoT Control  
Trainer

## BUILDING AUTOMATION SYSTEM

**Building Automation System** is a learning system designed to introduce the concepts and technologies of automated control in modern buildings, **such as smart buildings**. This module trains students to understand integrated **control systems that include lighting, elevators, security systems, ventilation, and energy monitoring through networks of sensors and control software**.



- Relevant Vocational Programs and Higher Education Departments:
  - Industrial Automation Engineering
  - Industrial Electronics Engineering
  - Electrical Engineering
  - Mechatronics Engineering
  - Civil Engineering (Building Construction)
  - Automation Systems Engineering

- Relevant Career Skills:
  - Building Automation Engineer
  - Control System Engineer
  - Electrical Engineer
  - Smart Building Specialist
  - Energy Management Engineer
  - Maintenance Engineer
  - Building Automation Instructor



## 10. BUILDING AUTOMATION SYSTEM



**MES-BAS-S101**

Four-Floor Dual Elevator Training System



**MES-ACQUISITION-I206**

Smart Building Monitoring System Trainer 1



**MES-BAS-S102**

Smart Building Monitoring System Trainer 2



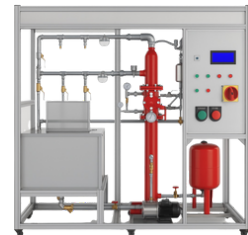
**MES-BAS-S103**

Building Fire and Security Automation Training System



**MES-BAS-S104**

Fire and Security System Training Workbench



**MES-BAS-S105**

Automatic Water Spray Fire Suppression Trainer



**MES-BAS-S106**

CCTV Surveillance System Training Module



**MES-BAS-S107**

Building Motion and Intrusion Detection Training System



**MES-BAS-S108**

Gas Leak Detection and Alarm Training System (Multi-Gas Type)

## MACHINERY

**Machinery** is a learning system designed to comprehensively introduce the operating principles, structure, and applications of industrial machinery. This module trains students to understand **CNC machine operation, G-code programming, axis calibration, as well as safe and efficient machine maintenance and troubleshooting.** Through hands-on practice using simulations and real CNC machines, students gain skills in **programming, tool setup, and precision machining techniques that form the foundation of manufacturing automation.**

- Relevant Vocational Programs and Higher Education Departments:
  - Machining Engineering
  - Mechatronics Engineering
  - Industrial Automation Engineering
  - Mechanical Engineering
  - Manufacturing Engineering
  - Industrial Engineering



- Relevant Career Skills:
  - CNC Programmer
  - CNC Operator
  - Mechanical Engineer
  - Manufacturing Engineer
  - Mechatronics Engineer
  - Automation Engineer
  - Machine Maintenance Specialist
  - CNC Machining Instructor

## 11. MACHINERY



**MES-MACHINE-M101**

CNC Machine Operation and Maintenance Training System



**MES-MACHINE-M102**

CNC Plasma Metal Cutting Machine



**MES-MACHINE-M103**

Fiber Laser Marking Machine



**MES-MACHINE-M104**

Sheet Metal Shearing and Cutting Machine



**MES-MACHINE-M105**

Multi-Material Fiber Laser Cutting Machine



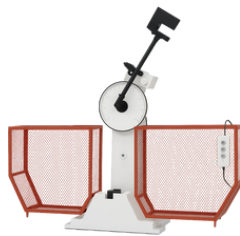
**MES-MACHINE-M106**

600 kN Universal Material Testing Machine



**MES-MACHINE-M107**

Rexroth Smart Function Kit Pressing



**MES-MACHINE-M108**

Semi-Automatic Pick & Place and Impact Testing System



**MES-MACHINE-M109**

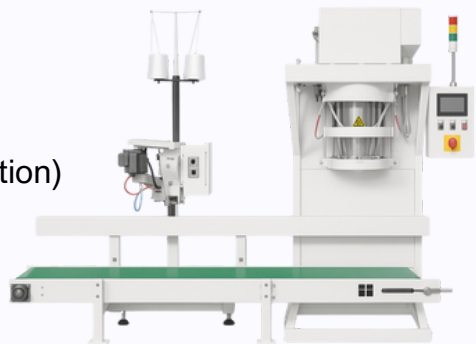
CNC Control Training System

## INDUSTRIAL MACHINE

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**Industrial Machine** is a learning system designed to comprehensively introduce the **operating principles, configuration, and applications of modern industrial machinery**. This module trains students to learn how to **design, assemble, and operate industrial machine systems used in modern production lines**. Through hands-on practice with thermal, liquid, and steam process control modules, students gain skills in industrial machine **programming and troubleshooting, sensor and actuator calibration, control and mechanical system integration, efficiency analysis, and machine fault diagnostics**.

- Relevant Vocational Programs and Higher Education Departments:
  - Industrial Automation Engineering
  - Industrial Electronics Engineering
  - Electrical Engineering
  - Mechatronics Engineering
  - Civil Engineering (Building Construction)
  - Automation Systems Engineering



- Relevant Career Skills:
  - Industrial Process Control Engineer
  - Instrumentation Systems Engineer
  - Electrical / Plant Automation Engineer
  - PLC & PID Tuning Specialist
  - SCADA / DCS Engineer
  - Sensor Calibration & Maintenance Engineer
  - Industrial Process System Operator

## 12. INDUSTRIAL MACHINE



**MES-INDUSTRY-G101**

Automatic Carton Erector Machine



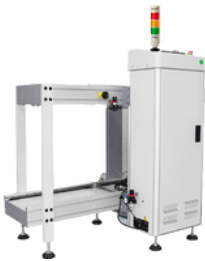
**MES-INDUSTRY-G102**

Semi-Automatic Carton Sealing Machine



**MES-INDUSTRY-G103**

Collaborative Robotic Palletizing System



**MES-INDUSTRY-G104**

Automatic PCB Magazine Loading System



**MES-INDUSTRY-G105**

Automatic PCB Magazine Unloading System



**MES-INDUSTRY-G106**

Real-Time Print and Apply Labeling Machine



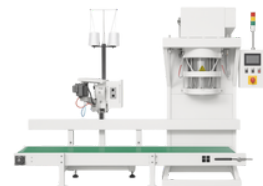
**MES-INDUSTRY-G107**

High-Speed Instant Label Printing Machine



**MES-INDUSTRY-G108**

Automatic Labeling Machine for Carton & Express Packaging



**MES-INDUSTRY-G109**

Granule Weighing and Packing Machine

## PROCESS CONTROL SYSTEM

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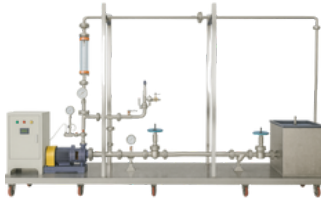
**Process Control System** is a learning system designed to help students understand the principles and applications of industrial process control, including the regulation of temperature, pressure, flow, and liquid level. This module trains students to **design, configure, and monitor process systems using industrial controllers such as PLCs, PID controllers, and SCADA**. Through hands-on practice with thermal, liquid, and steam process control modules, students gain expertise in **sensor calibration, control parameter tuning, and system stability analysis**—skills that are widely applied in the chemical, food, and energy industries.

- Relevant Vocational Programs and Higher Education Departments:
  - Industrial Chemical Engineering
  - Industrial Automation Engineering
  - Mechatronics Engineering
  - Industrial Electronics Engineering
  - Electrical Engineering
  - Industrial Engineering
  - Chemical Engineering
  - Instrumentation Engineering



- Relevant Career Skills:
  - Process Control Engineer
  - Automation Engineer
  - Instrumentation Engineer
  - Mechatronics Engineer
  - Chemical Process Technician
  - Industrial System Analyst
  - Control & Automation Engineer
  - Process Control System Instructor

## 13. PROCESS CONTROL SYSTEM



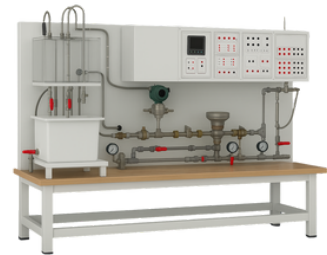
**MES-PCS-T100**

Process Control with Piping Installation & Training System



**MES-PCS-T101**

Process Control System with Level & Flow



**MES-PCS-T102**

Basic Flow & Level Process Control Trainer



**MES-PCS-T103**

Thermal Process Control with Industrial Controller Trainer



**MES-PCS-T104**

Liquid/Solvent Process Control with Industrial Control Trainer



**MES-PCS-T105**

Pressurized Process Control with Industrial Control Trainer



**MES-PCS-T106**

Steam Process Control with Industrial Control Trainer



**MES-PCS-T107**

Smart Process Control Training System



**MES-PCS-T108**

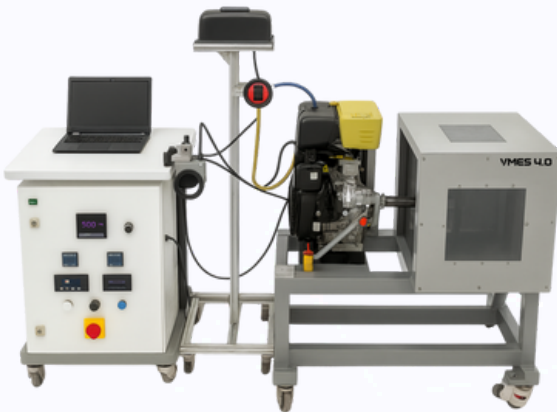
Advanced Process Control and DCS Trainer

## AUTOMOTIVE & TRANSPORTATION

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**Automotive & Transportation** is a learning system designed to introduce the operating principles, components, and technologies of modern automotive systems used in both conventional vehicles and electric vehicles. This module trains students to understand **powertrain systems, engine performance testing, and the integration of vehicle electrical systems, including electric vehicles (EVs)**. Through hands-on practice using gasoline engine testing systems and electric vehicle integration circuits, students gain expertise in **diagnostic techniques, maintenance, and calibration of automotive components based on sensors and digital control technologies**.

- Relevant Vocational Programs and Higher Education Departments:
  - Automotive Engineering
  - Autotronics Engineering
  - Industrial Electronics Engineering
  - Mechatronics Engineering
  - Mechanical Engineering
  - Electrical Engineering
- Relevant Career Skills:
  - Electrical & Automation Technician
  - Electric Vehicle (EV) Engineer
  - Mechatronics Engineer
  - Control System Engineer
  - Diagnostic & Maintenance Specialist
  - Vehicle Integration Engineer
  - Automotive Technology Instructor



## 14. AUTOMOTIVE & TRANSPORTATION



**MES-AUTOMOTIVE-U101**

Electric Vehicle Integration and Control Training System



**MES-MOTOR-E205**

Internal Combustion Engine Performance Testing Trainer (Gasoline Type)



**MES-AUTOMOTIVE-U102**

Power Steering and Driving Simulation Training Bench



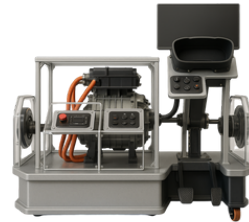
**MES-AUTOMOTIVE-U103**

Diesel Engine Sectioned Cutaway Demonstration Model



**MES-AUTOMOTIVE-U104**

Automotive Maintenance and Service Training System



**MES-AUTOMOTIVE-U105**

Pure Electric Vehicle Drive System Training Platform



**MES-AUTOMOTIVE-U106**

Automatic Transmission Control Training System



**MES-AUTOMOTIVE-U107**

Electric Motorcycle Chassis Dynamometer Testing System



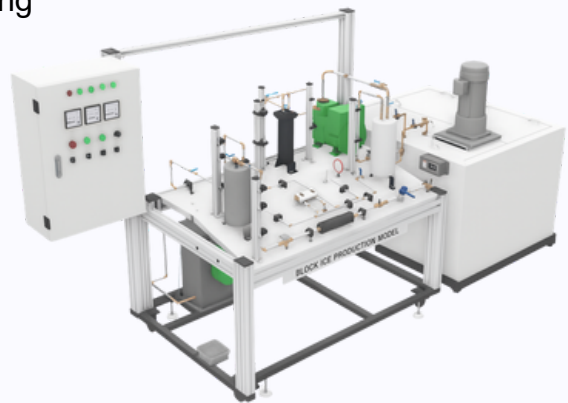
**MES-AUTOMOTIVE-U108**

Hydraulic Brake System Training Equipment

# HEATING, VENTILATION, AC, AND REFRIGERATION

**Heating, Ventilation, Air Conditioning, and Refrigeration** is a learning system designed to help students understand the principles, components, and control systems of air conditioning and refrigeration widely used in **industrial and commercial buildings**. **This module trains students to perform installation, maintenance, and system analysis, including refrigeration cycles, air conditioning systems, and HVAC control.** Through hands-on practice using cooling units equipped with temperature and pressure sensors and automatic control systems, students learn about **energy efficiency, workplace safety, and the application of intelligent control technologies in modern HVAC systems.**

- Relevant Vocational Programs and Higher Education Departments:
  - Refrigeration and Air Conditioning Engineering
  - Industrial Electronics Engineering
  - Electrical Engineering
  - Mechanical Engineering
  - Energy Engineering



- Relevant Career Skills:
  - HVAC Maintenance Technician
  - Refrigeration System Engineer
  - Maintenance Engineer
  - Energy Management Specialist
  - Mechatronics Engineer
  - Control System Engineer
  - HVAC and Refrigeration Instructor

## 15. HEATING, VENTILATION, AC, AND REFRIGERATION



**MES-HVAC-H101**

Refrigeration and Cooling System Training Unit



**MES-HVAC-H102**

Air Conditioning and Thermal Control Training System



**MES-HVAC-H103**

HVAC Control and Monitoring Training System



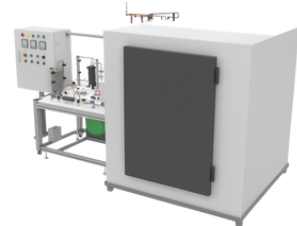
**MES-HVAC-H104**

Automatic Ice Production and Refrigeration Training System



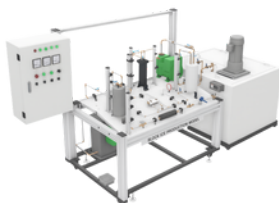
**MES-HVAC-H105**

Smart Freezer and Cooling Control Training System



**MES-HVAC-H106**

Industrial Cooling and Cold Storage Control Trainer



**MES-HVAC-H107**

Large-Scale Ice Production Training Set



**MES-HVAC-H108**

Small Scale Ice Cube Production Training System



**MES-HVAC-H109**

Centralized AHU Gas Air Conditioning Trainer

## 15. HEATING, VENTILATION, AC, AND REFRIGERATION



**MES-HVAC-H110**

Variable Refrigerant Volume (VRV) Air Conditioning Training System



**MES-HVAC-H111**

Air Blast Freezer and Rapid Cooling Training System



**MES-HVAC-H112**

Air Conditioning Installation and Commissioning Training System



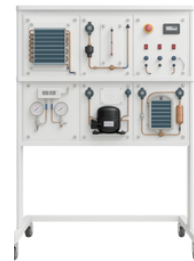
**MES-HVAC-H113**

Closed Loop Water Cooling Tower Chiller System Trainer



**MES-HVAC-H114**

Air-Cooled Scroll Chiller Training System (Modular Type)



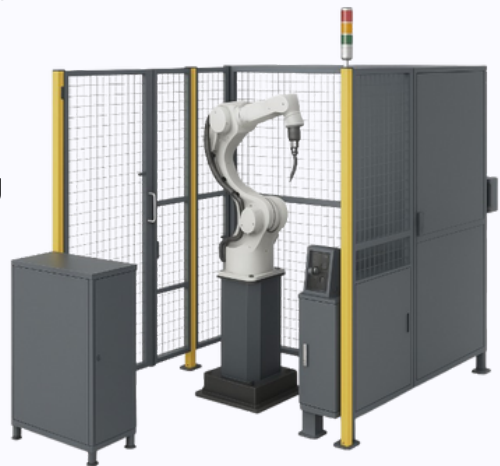
**MES-HVAC-H115**

Modular Refrigeration System Training Unit (Basic Experimental Model)

## ROBOT WELDING, POSITIONER AND LINEAR

**Robot Welding, Positioner, and Linear** is a learning system designed to introduce modern welding technologies and the automation of welding processes used in the manufacturing industry. This module trains students to understand various welding methods such as **MIG, TIG, and arc welding**, as well as the operation of welding auxiliaries including **welding positioners and robotic welding systems**. Through hands-on practice using rotary tables, tilting tables, and integrated robotic welding systems, students gain expertise in **precision welding techniques, workplace safety, and production efficiency in metal joining processes**.

- Relevant Vocational Programs and Higher Education Departments:
  - Welding Engineering
  - Mechatronics Engineering
  - Mechanical Engineering
  - Industrial Automation Engineering
  - Manufacturing Engineering
  - Industrial Engineering



- Relevant Career Skills:
  - Welding Quality Control (QC) Inspector
  - Robotic Welding Engineer
  - Manufacturing Engineer
  - Maintenance Engineer
  - Mechatronics Engineer
  - Production Supervisor
  - Welding Technology Instructor

## 16. ROBOT WELDING, POSITIONER AND LINEAR



**MES-WELDING-W101**

Collaborative Robotic  
Welding Training System



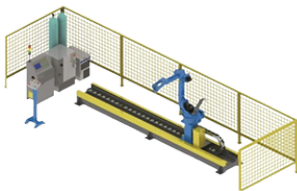
**MES-WELDING-W102**

Industrial Robotic Welding  
Training Cell



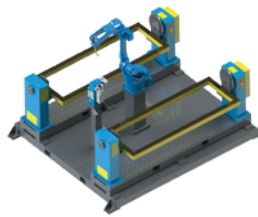
**MES-WELDING-W103**

Robotic Welding Workcell  
Training System



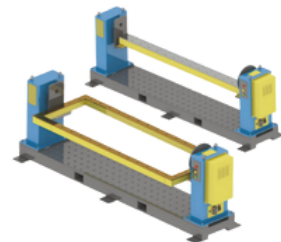
**MES-WELDING-W104**

Robotic Welding System with  
Linear Slider



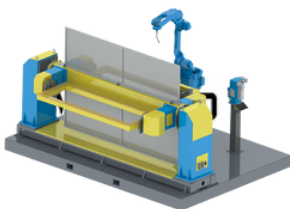
**MES-WELDING-W105**

6-Axis Industrial Robotic  
Welding Platform



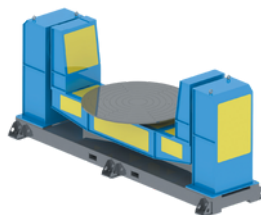
**MES-WELDING-W106**

Head & Tail Beam Robotic  
Positioner Trainer



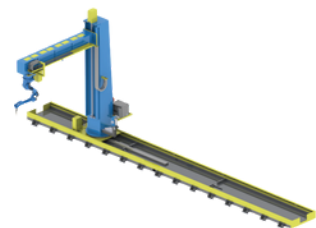
**MES-WELDING-W107**

3-Axis Servo C-Type Welding  
Positioner



**MES-WELDING-W108**

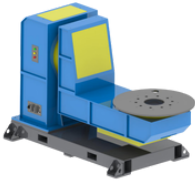
2-Axis Rotary U-Type  
Welding Positioner



**MES-WELDING-W109**

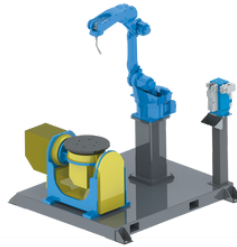
6-Axis MIG/TIG Robotic  
Welding System

## 16. ROBOT WELDING, POSITIONER AND LINEAR



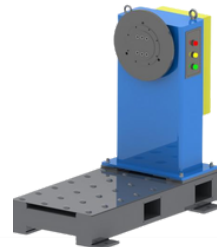
**MES-WELDING-W110**

Two-Axis L-Type Servo  
Welding Positioner for  
Welding



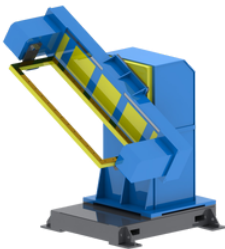
**MES-WELDING-W111**

Two-Axis Servo Rotary Table  
Welding Positioner for Robot  
Welding



**MES-WELDING-W112**

Single-Axis Servo Spindle  
Rotary Table for Welding.



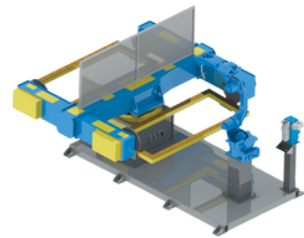
**MES-WELDING-W113**

C-Type Two-Axis Servo  
Welding Positioner



**MES-WELDING-W114**

Horizontal Single-Axis Servo  
Positioner for Welding



**MES-WELDING-W115**

S-Type Three-Axis Servo  
Positioner for Robotic Welding

## OIL & GAS

**Oil & Gas** is a learning system designed to introduce the technologies and fundamental principles of **fluid systems, pump operations, and piping installations used in the oil and gas industry**. This module trains students to understand centralized lubrication system operations, centrifugal pumps, as well as the assembly and testing of industrial piping systems. Through hands-on practice using centrifugal pump trainers and industrial piping units, students learn about **pressure, fluid flow, and system control—key aspects in oil and gas exploration and production processes**.

- Relevant Vocational Programs and Higher Education Departments:
  - Petroleum Engineering
  - Mechanical Engineering
  - Mechatronics Engineering
  - Industrial Automation Engineering
  - Electrical Engineering
  - Industrial Engineering
  - Energy Engineering



- Relevant Career Skills:
  - Piping Engineer
  - Mechanical Engineer
  - Maintenance Engineer
  - Fluid System Engineer
  - Industrial Automation Engineer
  - Energy System Specialist
  - Oil and Gas Technology Instructor

## 17. OIL & GAS



**MES-OILGAS-V101**

Centralized Lubrication System



**MES-OILGAS-V102**

Centrifugal Pump Trainer



**MES-OILGAS-V103**

Industrial Piping Practice & Training Unit



**MES-OILGAS-V104**

Continuous Biodiesel Production Reactor System (Heat Treatment Type)



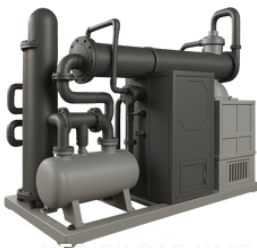
**MES-OILGAS-V105**

Automatic Biodiesel and Waste Oil Purification System Trainer



**MES-OILGAS-V106**

Steam Methane Reforming and Hydrogen Production Reactor Trainer



**MES-OILGAS-V107**

Crude Oil Refining and Biodiesel Distillation Training System

## AGRICULTURAL TECHNOLOGY

**Agricultural Technology** is a learning system designed to introduce the application of intelligent technologies in modern agriculture based on the smart farming concept. This module trains students to understand the **integration of sensors, automatic control systems, IoT, and actuators for monitoring and optimizing agricultural processes such as irrigation, soil moisture, and plant lighting.** Through hands-on practice using an **Integrated Smart Farming Technology System**, students learn how **automation and real-time data can enhance efficiency, productivity, and sustainability in agriculture.**

- Relevant Vocational Programs and Higher Education Departments:
  - Agrotechnology
  - Agribusiness
  - Mechatronics Engineering
  - Industrial Automation Engineering
  - Agricultural Technology
  - Electrical Engineering
  - Industrial Engineering
  - Information Systems



- Relevant Career Skills:
  - Smart Farming Engineer
  - IoT Engineer
  - Agricultural Automation Specialist
  - Precision Agriculture Specialist
  - Mechatronics Engineer
  - Control System Engineer
  - Agricultural Technology Instructor

## 18. AGRICULTURAL TECHNOLOGY



**MES-AGRITECH-I101**

Smart IoT Fertigation & Irrigation Control Trainer



**MES-AGRITECH-I102**

Smart Agricultural Weather Station



**MES-AGRITECH-I103**

IoT Drip Irrigation Automation System Trainer



**MES-AGRITECH-I104**

Wireless Soil Monitoring Sensor Node (Moisture & Temperature)



**MES-AGRITECH-I105**

Multi-Zone IoT Fertigation & Irrigation Training System



**MES-AGRITECH-I106**

Wireless Smart Weather Monitoring Station (Wind & Climate)



**MES-AGRITECH-I107**

Solar-Powered IoT Pest Control Station



**MES-AGRITECH-I108**

Solar Vibration-Based Pest Repellent Trainer



**MES-AGRITECH-I109**

IoT Pheromone Trap & Insect Monitoring Training System

## 18. AGRICULTURAL TECHNOLOGY



**MES-AGRITECH-I110**

Smart Agricultural Spraying Drone Trainer



**MES-AGRITECH-I111**

Automatic Fruit & Vegetable Sorting and Grading System Trainer



**MES-AGRITECH-I112**

Intelligent Optical Fruit Sorting and Quality Inspection System



**MES-AGRITECH-I113**

Stainless-Steel Fruit & Vegetable Washing Trainer



**MES-AGRITECH-I114**

Automatic Ozone Air-Bubble Washing System Trainer



**MES-AGRITECH-I115**

Rotary Brush Vegetable Washing Trainer



**MES-AGRITECH-I116**

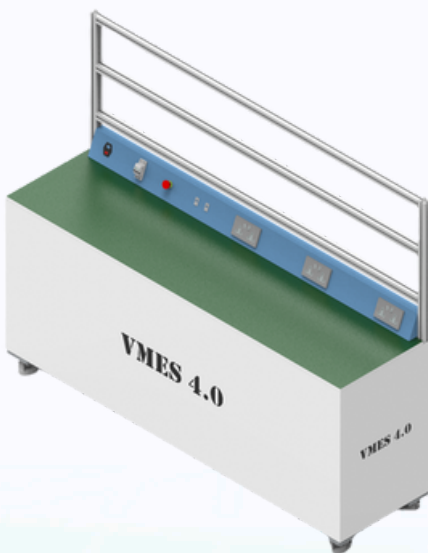
Integrated Smart Farming IoT Control System

## PRACTICE TABLE

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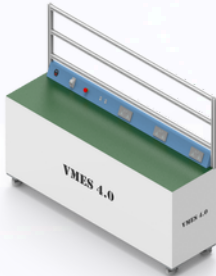
**Practice Table** is a series of workbenches and practice stations specifically designed to support learning activities, assembly, and experimentation in engineering laboratories. This module serves as a primary supporting facility for training in **automation, electrical systems, mechatronics, and electronic systems**. The practice tables feature an ergonomic and modular design, constructed from high-quality materials such as aluminum profiles to ensure stability and safety. Through the use of these multifunctional practice tables, students can perform component **installation, circuit testing, and system assembly with an efficient and professional layout**.

- Relevant Vocational Programs and Higher Education Departments:
  - Mechatronics Engineering
  - Industrial Automation Engineering
  - Industrial Electronics Engineering
  - Electrical Engineering
  - Industrial Engineering
  - Vocational Engineering Education



- Relevant Career Skills:
  - Laboratory Technician
  - Mechatronics Engineer
  - Automation Engineer
  - Electrical & Automation Technician
  - Maintenance Engineer
  - Industrial Training Specialist
  - Industrial Control and Lab Systems Instructor

## 19. PRACTICE TABLE



**MES-TABLE-X201**

VMES Practice Table Type-A



**MES-TABLE-X202**

VMES Practice Table Type-B



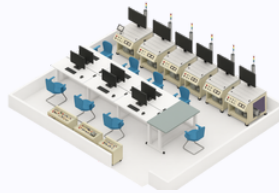
**MES-TABLE-X203**

Compact Practice Table  
(Aluminum Base)



**MES-TABLE-X204**

Square Practice Table  
(Aluminum Base)



**MES-TABLE-X205**

Electronic Workshop &  
Maintenance Workbench Table



**MES-TABLE-X206**

Laboratory Sink & Integrated  
Storage Cabinet



**MES-TABLE-X207**

Adjustable ESD-Pro  
Workbench (Height  
Adjustable Antistatic Table)



**MES-TABLE-X208**

Electrical & Device Repair  
ESD Workbench



**MES-TABLE-X209**

Modular ESD Assembly Line  
Workbench

## 19. PRACTICE TABLE



**MES-TABLE-X210**

Multi-Electronics ESD  
Workbench



**MES-TABLE-X211**

Educational Electronics  
Workbench (Electrical  
Training Station)



**MES-TABLE-X212**

Advanced ESD-Pro  
Electronics Workbench



**MES-TABLE-X213**

Electronic Workshop  
Maintenance Workbench

## INDUSTRIAL CUSTOMERS

VMES 4.0 has established strong relationships with customers and partners across various **industries**, **educational** institutions, and training organizations. We have been dedicated for more than 14 years to delivering the best services and providing optimal experiences to meet our customers' needs in both industrial and educational (didactic) sectors.

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KEMENTERIAN KETENAGAKERJAAN REPUBLIK INDONESIA



DIREKTORAT JENDERAL KEKAYAAN INTELEKTUAL KEMENTERIAN HUKUM & HAM RI

SINGAPORE POLYTECHNIC **SP**



# DOCUMENTATION



Visit from  
DIKTI Kemendikbud  
Prof. Nizam



Visit from Director General  
DIKTI Kemendikbud,  
Prof. Abdul Haris



Meeting with the Minister of  
Manpower the Republic  
Indonesia



Visit from Directorate General of  
Vocational Kemendikbudristek



VMES Attended Opening Ceremony  
of BLK Batam by Ministry of Man  
Power Indonesia, Dr. Hj. Ida  
Fauziyah, M.Si.



Meeting with Director  
General of DIKTISINTEK  
Prof. Khaerul Munadi



Visit  
Director Polytechnic All  
Indonesia



Visit to University of  
Indonesia (UI)



Visit to Polytechnic  
Negeri Banyuwangi



VMES Visit to  
Universitas Malang



VMES Visit to Institute  
Teknologi Sepuluh  
Nopember (ITS)



VMES Visit to Gajah  
Mada University (UGM)



VMES Develop and Install Didactic  
Machine at Universitas Pendidikan  
Indonesia (UPI)



Visit to Electronic Engineering  
Polytechnic Institute of Surabaya  
(PENS)



VMES Visit and Collaboration with  
University of Muhammadiyah  
Yogyakarta (UMY)



Visit to Polytechnic Negeri  
Malang

# DOCUMENTATION



Visit to Polytechnic Negeri Jember (POLIJE)



VMES Visit and Collaboration with Tidar University



Visit from Polytechnic Negeri Bengkalis



VMES Visit to Polytechnic Negeri Ambon



Certificates from Government, Polytechnics and University in Indonesia



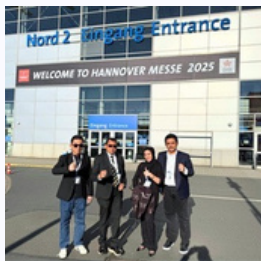
Seminar VMES -Edutech solutions Summit - Bali



VMES at Manufacturing World Osaka 2024 - Japan



VMES at KUKA iiAutomate Event 2025 - China



VMES at Hannover Messe 2025 - Germany

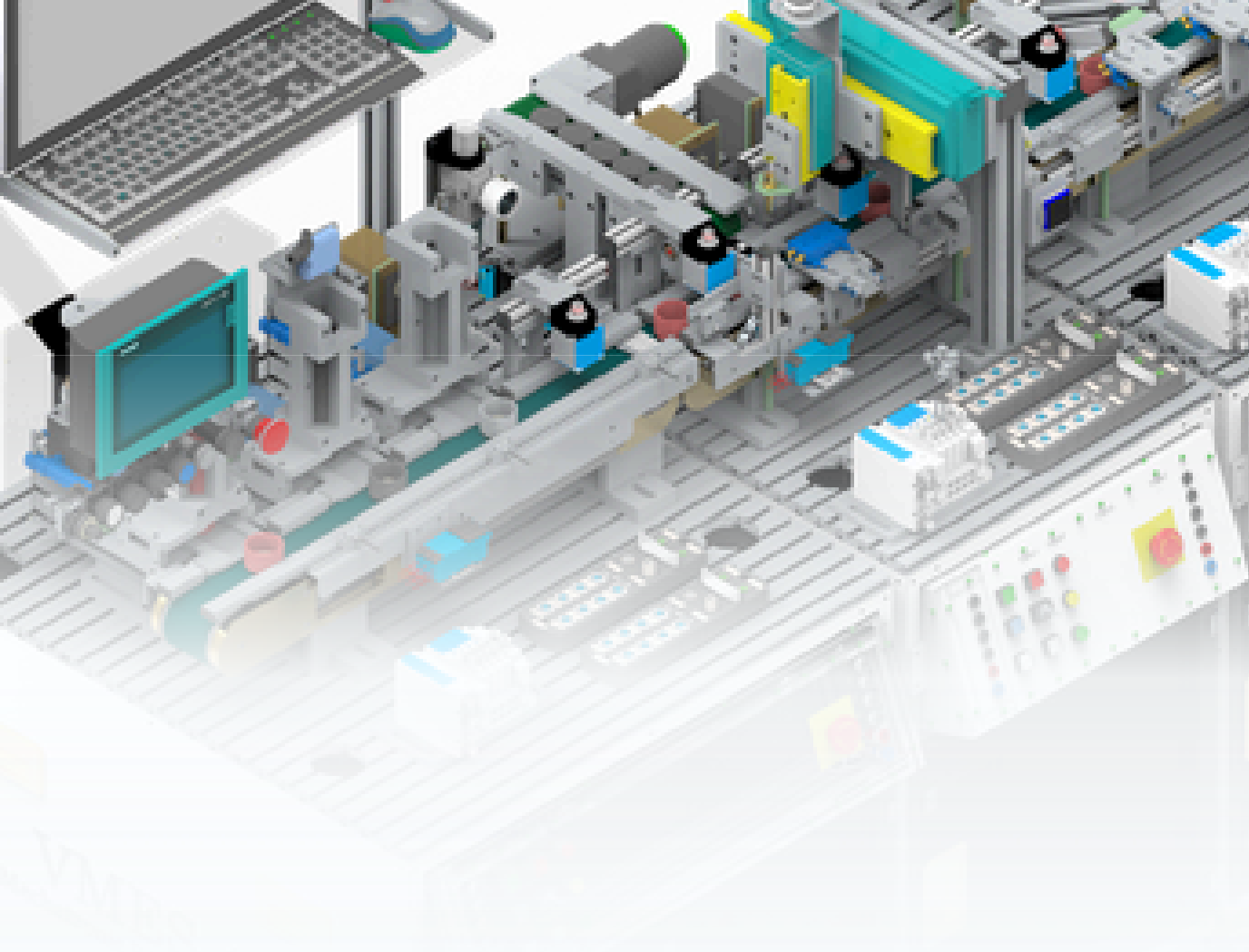


VMES at EURIE 2025 - The Leading Platform for International Education in Eurasia - Turkey



VMES at Industrial Transformation Asia Pacific 2025 EXPO - Singapore





# VMES 4.0

TRANSFORMING WITH EMERGING TECHNOLOGIES

## HUBUNGI KAMI

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+(62) 813 1000 410 - defri@pt-vortex.com

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