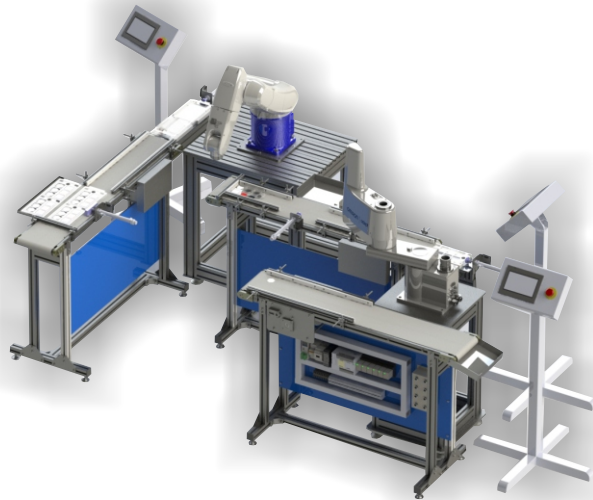
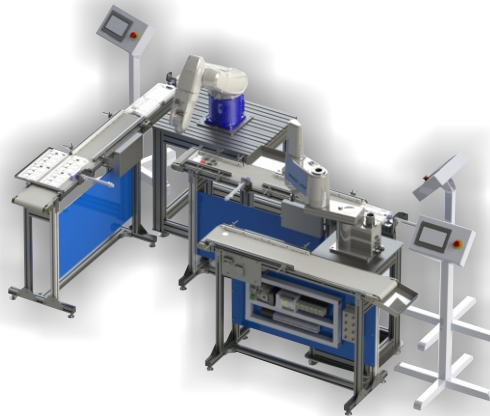


# INDUSTRIAL ROBOTIC AUTOMATION TRAINING SET



## Overview



Viper 650

Cobra 450

HMI Omron

Conveyor type A

Conveyor type B

Conveyor type C

### Viper 650

6 Axis ARM Robotic  
Training Unit

### Cobra 450

4 Axis SCARA Robotic  
Training Unit

### HMI Omron

HMI NB10W-TW01B  
(10 inch display)

### Conveyor type A

Dimensi : 1270x230x800 mm  
Max. speed : 20 m/min  
Sensor : Vision Color &  
Conveyor Tracking

### Conveyor type B

Dimensi : 1270x230x800 mm  
Max. speed : 20 m/min  
Sensor : RFID Scanner

### Conveyor type C

Dimensi : 1270x230x800 mm  
Max. speed : 20 m/min  
Sensor : Vision Code &  
visual (Barcode reader)

## Omron Viper 650

**Ethernet Capability**

**High Resolution**

**Easy Calibration**

**High Efficiency**

**High Accuracy**

**Low-inertia Harmonic Drives**



## Specifications



Table dimension 700x500x800 mm  
Omron viper 650 Robotic Set  
Air Treatment unit  
Control keypad  
Master PLC-NX1P2-9024  
Software for monitoring robot movement real time  
Control I/O 24 points  
Robot Controller Unit  
24 VDC Power Supply System  
Vacuum System for material handling

Ethernet Capability to Control robot through the familiar programming language (IEC61131-3) of machine automation controller NJ/NX/NY Series.

Diagnostics display enables faster trouble shooting

High-resolution, absolute encoders to provide high accuracy, superior slow-speed following, and easy calibration

High-efficiency, low-inertia harmonic drives and lightweight arm to deliver maximum acceleration

Reach 650 mm, Max Payload 5 kg, Weight 34 kg

**INDUSTRIAL 4.0 READY**

**OMRON**  
INDUSTRIAL AUTOMATION

## Omron Cobra 450



**Ethernet Capability**

## Specifications

Table dimension 450x450x8762 mm  
Omron cobra 450 Robotic Set  
Air Treatment unit  
Control keypad  
Master PLC-NX102-9024 CPU support for industry 4.0 Application  
Software for monitoring robot movement real time  
Control I/O 32 points  
Robot Controller Unit  
Vision Tracking  
Conveyor Tracking  
24 VDC Power Supply System  
Vacuum System for material handling

Ethernet Capability to Control robot through the familiar programming language (IEC61131-3) of machine automation controller NJ/NX/NY Series.

High Repeatability suitable for precision assembly

High payload for screw-driving tools

The separate amplifier with a built-in controller minimizes for robot footprint

Reach 450 mm, Max Payload 5 kg, Weight 20 kg

**INDUSTRIAL 4.0 READY**

**OMRON**  
INDUSTRIAL AUTOMATION

## Display



HMI Omron

### Spesifikasi

NB10W-TW01B (10 Inch)  
TFT LCD, Colour  
Resolution 800 x 480 dots

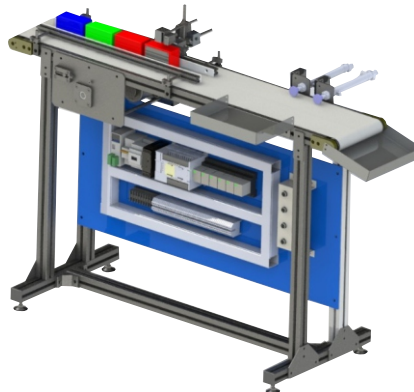
USB

RS-232Cx1

RS-232C/422A/485/x1

24 VDC

## 3 Unit Conveyor



### Conveyor type A

Dimensi : 1270x230x800 mm  
Max. speed : 20 m/min  
Sensor : Vision colour & conveyor tracking

Trainer konveyor system ini dapat digunakan untuk mempelajari berbagai jenis sensor dan cara kerja sensor, terutama sensor warna dan conveyor tracking

### Conveyor type B

Dimensi : 1270x230x800 mm  
Max. speed : 20 m/min  
Sensor : RFID Scanner

Trainer konveyor system ini dapat digunakan untuk mempelajari berbagai jenis sensor dan cara kerja sensor, terutama RFID

### Conveyor type C

Dimensi : 1270x230x800 mm  
Max. speed : 20 m/min  
Sensor : Vision code + visual (Barcode reader)

Trainer konveyor system ini dapat digunakan untuk mempelajari berbagai jenis sensor dan cara kerja sensor, terutama sensor warna, vision code scanner