

Articulated Robot Viper 650 Training Kit

Precision Machining

The new Omron Robotic Automation support the precision machining with high-speed system that can support the industry.

Assembly Application

Omron SCARA Robot – Cobra type is design for the variant application especially for assembly application.

Material Handling

Not only assembly application, this SCARA robot also can be applied to material handling application that can support many industry for this application.



- Ethernet capability to control the robot through the familiar programming language (IEC 61131-3) 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 a lightweight arm to deliver maximum acceleration
- Reach 650 mm, Max Payload 5 kg, Weight 34 kg

The needs for Pick & Place machines using robots and vision sensors are increasing. Our own Robotics and Vision technology provides the most seamless integration achieved into a single software environment. The machines can be analyzed in the virtual environment that allows studying the application in advance, without having the real machine. This allow the distributon of the power network, the compressed air and the communication network to all the stations. The air, power and comunicatons connections have an accessible layout to ease connec_on with the corresponding station connections.

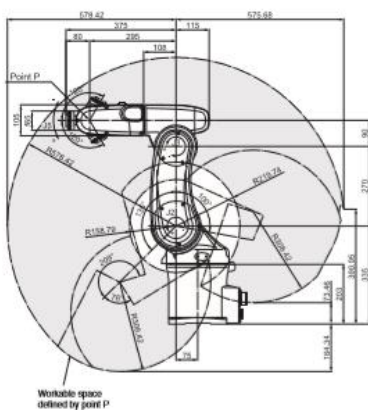
So, this training kit is supported by the real industrial equipment. The spesification is listed below :

- Table Dimmension 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
- 24VDC Power Supply System
- Vaccum System for material handling

Dimensions

(Unit: mm)

Viper 650



eMotion Blox -60R



Front panel

