



# OMRON

Empowering People Through Automation

**INNOVATIVE SOLUTIONS,  
EXCEPTIONAL VALUE**

## Fixed Mount Scanners

**V320/V330**Fixed Focus  
Scanner**V420/V430**Autofocus Fixed Mount  
Scanner**V440**C Mount 5 MP  
Scanner**VHV5**Autofocus High Speed  
ScannerNEW  
LAUNCH

## Smart Vision

**FQ2**Smart Vision  
Sensor**F420/F430**Autofocus Smart  
Vision**F440**C Mount 5 MP  
Smart Vision**FHV7**Modular Autofocus  
Smart Vision

## Handheld Scanner

**V410-H**USB Handheld  
Scanner**V460-H**Industrial Autofocus  
Handheld ScannerHigh Precision Controller  
Based Vision System**FH**AI Based Automated  
Visual Inspection

## PC Based Solution

Sentech GigE/USB  
Based Cameras

Visionscape Software

FJ Customized PC  
Based Software

## Inline Verification

**V275**Print Quality  
Inspection System

## SMPS

**S8VK-C**Compact & SlimType -  
Single Phase**S8VK-G**Reliable & Tough  
Single Phase**S8VK-T**High Efficiency,  
Compact Type - Three  
Phase**S8VK-X**IIoT Enabled SMPS  
Single Phase

## SMPS

**S8FS-C**Simple SMPS  
Single Phase**G2RV-ST**

Ultra Slim Relay

**G3RV-ST**

Ultra Slim SSR

**G3NB Series**

SSR with Heat Sink

## Relay

**MYGS-R**General Purpose  
Relay**G2R-S**Compact, General  
Purpose Relay**LY Series**General Purpose  
Power Relay**MM Relay**DC Switching  
Power Relay

## Temperature Controller

**E5CSL**Temperature Control  
Single Display**E5CWL**Temperature Control  
Double Display**E5CC**Precise PID Control for  
High Speed & High  
Performance**EJ1**Modular PID with Easy  
Expansion on  
Communication

## Timer

**H3DKZ**Compact DIN Mounting  
Analog Timer**H3CR**Multiple Operating  
Modes and Multiple  
Time Ranges**H5CC**Digital Timer with  
Replacement Time  
Indication**H7CC**Digital Counter with  
Replacement Time  
Indication

## Limit Switch

**D4V**Compact & Slim with  
Vertical Mounting**WL**General Purpose, High  
Precision & Long Life**HL**Miniature with Rigid  
Construction**D4MC**Enclosed Type, High  
Repeatability &  
Durability

## Limit Switch

**SHL**Sub Miniature  
Enclosed Type

## Basic Switch

**X**Miniature Type with  
SPDT 10A**Z**Miniature Type with  
SPDT 15A**DZ**Miniature Type with  
DPDT 15A

## M&amp;M Relay

**K8DS**Protection Relay Phase  
Sequence /Phase Loss  
(17.5 mm)**K8AK**Voltage & Phase  
Protection Relay  
(22.5 mm)

## Power Monitor

**KM-N3**Power Monitor for  
Energy Management**KM-N2**Power Monitor for  
Energy Management

## Micro PLC



**CP1L-M/L**  
Compact PLC



**CP2E**  
Compact PLC with  
IIoT



**CP1H**  
Compact PLC with  
Maximum I/O



**CP1L-EM/EL**  
Compact PLC with  
Ethernet

## Midrange PLC



**CJ2M**  
Multiple Network  
Connectivity, Program  
Capacity 60k Steps



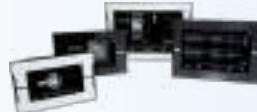
**CJ2H**  
Multiple Network  
Connectivity, Program  
Capacity 400k Steps



## HMI



**NB-V1 Series**  
Display Solution  
(Screen Size - 3.5, 5.7,  
7, 10.1 Inch)



**NA5 Series**  
Advance Display Solution  
(Screen Size - 7, 9,  
12.1, 15.4 Inch)

## Machine Controller



**NX1P2**  
Compact Motion  
Controller with  
(Built in) I/O



**NX102**  
Motion Controller with  
OPC UA Compatibility



**NJ101**  
Motion Controller  
upto 4 Axes



**NJ301**  
Motion Controller  
upto 8 Axes

## Machine Controller



**NX502**  
Motion Controller with  
Control, Information &  
Safety integration



**NX701**  
Fast and  
Highly-Accurate  
Control up to 256 Axes



**NJ501**  
Ideal for Large-Scale,  
Fast and High-Accurate  
Control up to 64 Axes



**CK3M/CK5M**  
Motion Controller with  
NC Control

## VFD

**3G3MX2-V2 Series**

Compact Inverter upto 15 Kw

**3G3RX2 Series**

High Performance Inverter upto 132 Kw

**NYP Series**

Industrial PC upto 15 Inch

## Servo Drive

**1S Series**

Compact EtherCAT Servo

**1S-51 Series**

1S Drives with SS1/SLS Safety Functionality

**1SA Series**

Servo with Safety Functionality &amp; Single Cable Technology

**G5 Series**

Servo with Network / Analog Connectivity

## RFID

**V680 Series**

RFID System with High Frequency Band

**V680S Series**

3 in1 RFID Antenna, Amplifier &amp; Controller

**V780 Series**

RFID with Ultra High Frequency Band

**V640 Series**

RFID System (Conforms to SEMI Standard)

## Remote I/O

**NX-ECC**

EtherCAT Coupler for Remote I/O

**NX-EIC202**

EtherNet/IP Coupler for Remote I/O

**NX-PNC202**

Profinet Coupler for Remote I/O

**NXR-ILM08C (-EIT & -ECT)**

IP67, I/O Link Master Module

## Software



**CX-Supervisor**  
SCADA



**Soft-NA**  
Bringing NA HMI to the  
Industrial PC



**SYSMAC STUDIO**  
Development Software  
for Sysmac Platform



**CX-One**  
Development Software  
for CP/CJ/CS Series  
PLC

## Proximity Sensor



**E2B, E2E**  
Cylindrical Type  
Metal Body Sensor



**E2EW**  
Spatter Proof



**TL-W, TL-N, TL-Q, E2Q**  
Rectangular Shape



**E2K-C, E2K-L**  
Capacitive

## Photoelectric Sensor



**E3FA**  
Cylindrical Type



**E3Z / E3ZG**  
General Purpose  
Sensor in Compact  
Housing



**E3JK**  
Built in Power  
Supply



**E3T**  
Ultra Compact

## Distance Settable



**E3AS-L**  
Diffuse with  
Background  
Suppression



**E3AS-HL**  
CMOS Laser



**E3AS-F**  
Time of Flight with  
Background  
Suppression



**E3AS-HF**  
Long Distance Model  
with Analog Output  
(6 meter)

## Photoelectric Sensor

**E3Z-LS**

Distance Settable  
Photoelectric Sensor with  
Background Suppression

**E3Z-F**

Nose Mount Plastic  
Body Photoelectric  
Sensor

**ZX1, ZX2**

CMOS Laser  
Sensor

**ZP-L**

Laser Displacement  
Sensor

NEW LAUNCH

## Fork / Grove Sensor

**E3Z-G**

Fork Sensor

## Color Mark Sensor

**E3ZM-V**

Mark Sensor with  
Stainless Steel  
Housing

**E3S-DC-IL**

High Performance  
(IO Link Model)

**E3NX-CA**

Fiber Optic  
Type

## Fiber Optic Sensor

**E3X-NA**

Potentiometer Adjuster  
Amplifier Unit

**E3X-ZV**

Easy Teach Amplifier  
Unit

**E3NX-MA**

SmartFiber 2 Channel  
Amplifier Unit

**E32 Series**

Range of Fiber  
Sensor Head

## Process Sensor

**E8FC**

Flow Sensor

**E8PC**

Pressure Sensor

## Ultrasonic Sensor

**E4PA-N**

Ultra Sonic  
Displacement Sensor



## LVDT Sensor

**E9NC-T**

Contact Type Fiber  
Sensor

## Safety Door Switch

**D4SL-N**

Compact Guard Lock Safety Door Switches

**D4NL**

Varied Lineup of Guard Lock Safety Door Switches

**D4NS**

Multi Contact Safety Door Switch

**D4NH**

Safety Door Hinge Switch Designed for Saving Space

## Safety PLC

**G9SP**

Easy Programming for Complex Safety Control

## Non Contact Switches

**D40A-2**

Compact Non Contact Switch

**F3S-TGR-N\_C**

Hall Coded Based Non-Contact Switch

**F3S-TGR-N\_M/-N\_U**

RFID Based Non-Contact Switch

## Safety Relay

**G9SE**

Slim Design with 2 &amp; 4 Output

**G9SA**

Advance Safety Relay with 3 &amp; 5 Safety Output Expandable

**G7SA**

Forcibly Guided Relay with 4 to 6 Poles



## Safety Scanner

**OS32C**

Safety Laser Scanner

## Safety Light Curtain

**F3SJ-E**

Simple and Reliable Hand Protection

**F3SJ-B**

Series Connection and Muting Functions

**F3SG-4SRA**

Advance Model with Built-in ABI Feature &amp; Complete Protection

**F3SG-SR**

Advanced Model with Finger, Hand, Arm and Body Protection

## Robotics



**i4L / i4H**  
SCARA Robots upto  
15Kg Payload



**TM Series**  
Collaborative Robots  
upto 25Kg Payload



**LD Series**  
Autonomous Mobile  
Robots upto  
250Kg Payload



**Hornet/Quattro**  
Parallel Robots upto  
15Kg Payload

## Automated Inspection System for a Variety of SMT/Through Hole Application

Automated Inspection Solution for PCB Assembly Line



**VP-9000 / VP-01G**  
Solder Paste Inspection  
(SPI)



**VT-SZ600 / VT-S1040 / S1080**  
Automated Optical Inspection  
(AOI)



**VT-X750**  
Automated X-Ray Inspection  
(AXI)

## Our Services



### MSE (Machine Safety Engineering) Service

- Safety Skill Building Program
- Machine Safeguarding Risk Assessment
- Safety Solution Design & Remediation
- Safety Design Validation
- TUV-certified team



### Education Service

- Dedicated team of trained for skill building program
- Hands on Training Program
- Customized training module for Industries
- Design & deploy Training kit & lab setup for skill building
- Self paced E- Learning module covering complete range of FA system



### Data Utilization Service: i-BELT

- Leverage manufacturing floor data to address challenges, in collaboration with the customer
- Enables businesses to achieve their carbon-neutrality goals by providing an Energy Management System



### Field Service Support

- Installation, AMC, Rental & Upgradation Services
- Health Check-up/Emergency breakdown Services
- Operational maintenance support to improve productivity
- Repair and failure investigation and testing FA products

For Service Related enquiry please write us on [service-in@omron.com](mailto:service-in@omron.com)

OMRON Corporation, founded in 1933 and headquartered in Kyoto, Japan, is a global leader in automation, healthcare, and social systems solutions. The company operates across diverse sectors, including industrial automation, healthcare devices, and electronic components, with a mission to create technologies that benefit society. OMRON's Industrial Automation segment is renowned for its cutting-edge solutions such as programmable logic controllers (PLCs), sensors, and robotics, which drive smart manufacturing and enable businesses to embrace Industry 4.0. In healthcare, OMRON is a trusted name for its accurate and user-friendly devices, such as blood pressure monitors, nebulizers, and weight management products, empowering individuals to manage their health effectively. Additionally, the company contributes to public infrastructure through social system solutions like automated ticket gates and renewable energy technologies, reflecting its commitment to sustainability and societal well-being.

With a presence in over 120 countries, OMRON combines global reach with local adaptability to address diverse market needs. Its focus on innovation and sustainability is driven by a philosophy of "Working for the benefit of society." The company integrates AI, IoT, and robotics to deliver forward-thinking solutions that enhance industrial productivity and healthcare accessibility while addressing environmental challenges. OMRON's dedication to corporate social responsibility is evident in initiatives like zero-emission factories and community development programs. By prioritizing technological excellence and social impact, OMRON continues to shape a sustainable future, solidifying its position as a pioneer in industries critical to modern life.

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#### Disclaimer:

This catalogue is intended to provide an overview of selected OMRON products specifically curated for the Indian market. It highlights some of our key solutions to help you better understand our offerings. Please note that this is not a complete representation of OMRON's entire product portfolio. For detailed information on our full range of products and solutions, please visit our official website: <https://www.omron-ap.co.in/>.

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