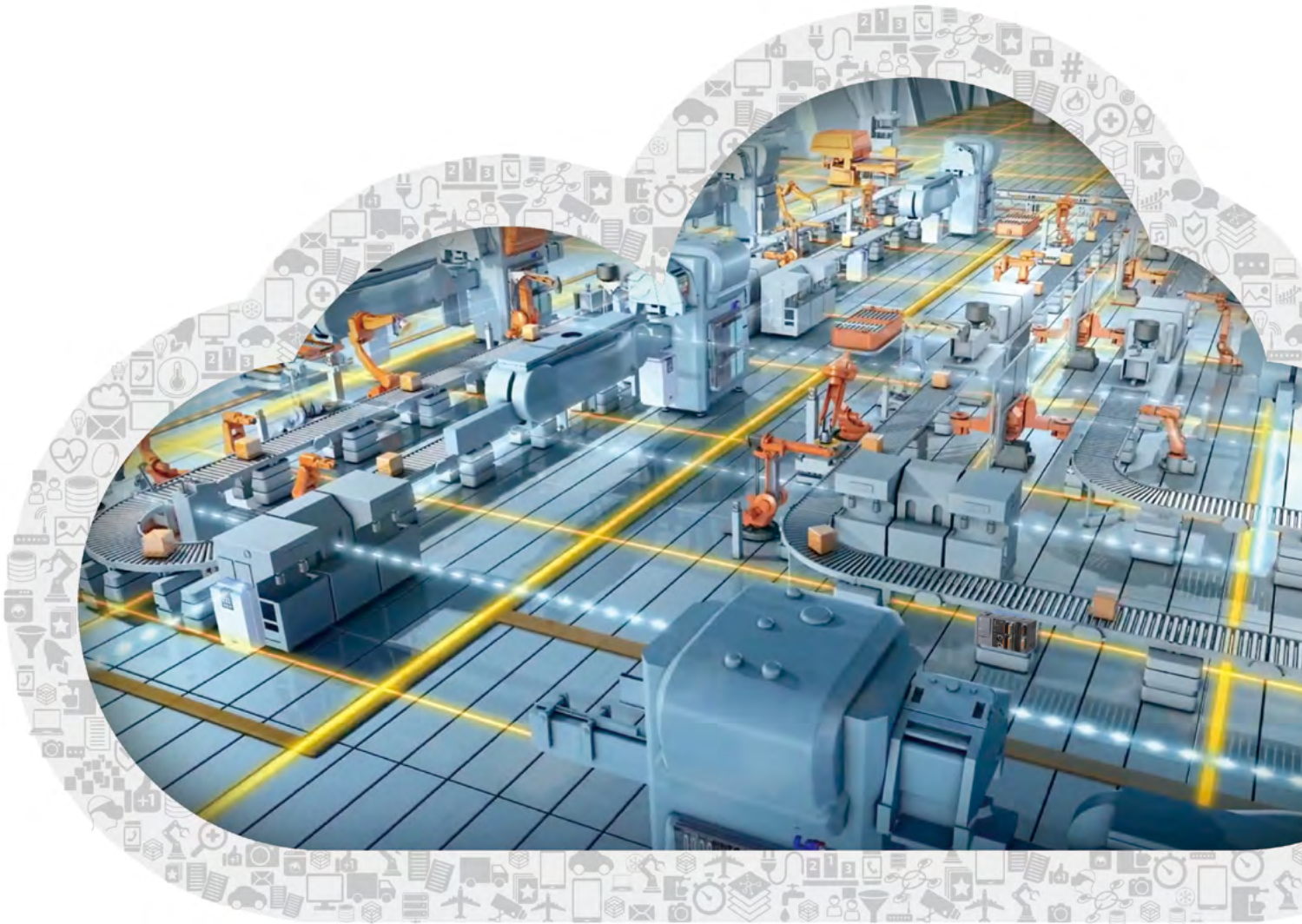


Programmable Logic Controller  
**Motion Controller &  
EtherCAT Smart I/O**



C O N T E N T S

- 04\_ Feature
- 05\_ System Configuration
- 07\_ Specification
- 11\_ Motion Solution
- 14\_ Application
- 16\_ Outline



# MOTION CONTROLLER



XMC-E32A

## True Realization of Smart Factory Automation We Have Dreamed of! Innovative Motion Control Solution to Introduce Future of Factory Automation

The XMC-E32A programmable motion controller realizes automation of manufacturing industries with a cost-effective yet easy and user friendly engineering solution.

The XMC-E32A delivers high performance EtherCAT-based motion control functions along with a variety of embedded functions and high-tech capabilities specialized for numerical control and robots. In addition to LSIS PLC, HMI and servo products, the XMC-E32A will help you create an even better and optimal solution.



# Feature

## Take Your First Step into New Future of Smart Motion

Innovation of the 4th Industrial Revolution, Innovation of smart motion that leads to innovation and new future, LSIS Motion Controller



### Professional

- CAM control: Up to 32 CAM profiles (32,768 points / 32 CAM profiles)
- Supports G-code
- Robot control: Delta3, Delta3R, Linear Delta and etc.



### Productivity

- High-speed program processing: 6.25ns (Basic command)
- EtherCAT-based high speed cycle times: 0.5/1/2/4ms (Same as main task's cycle time)
- Built-in Digital and Analog IO



### Efficiency

- Integration with a variety of EtherCAT devices
  - Servo Drive (Up to 32 axes), Remote I/O (Up to 32 I/Os), AC Drives, Robots and etc.
- Various built-in functions
  - 8 digital inputs / 16 digital outputs, Encoder inputs (2 ch), Ethernet Analog Input (2 ch)/Output (2 ch)\_E32A RS-232C/RS-485\_E32C



### Convenience

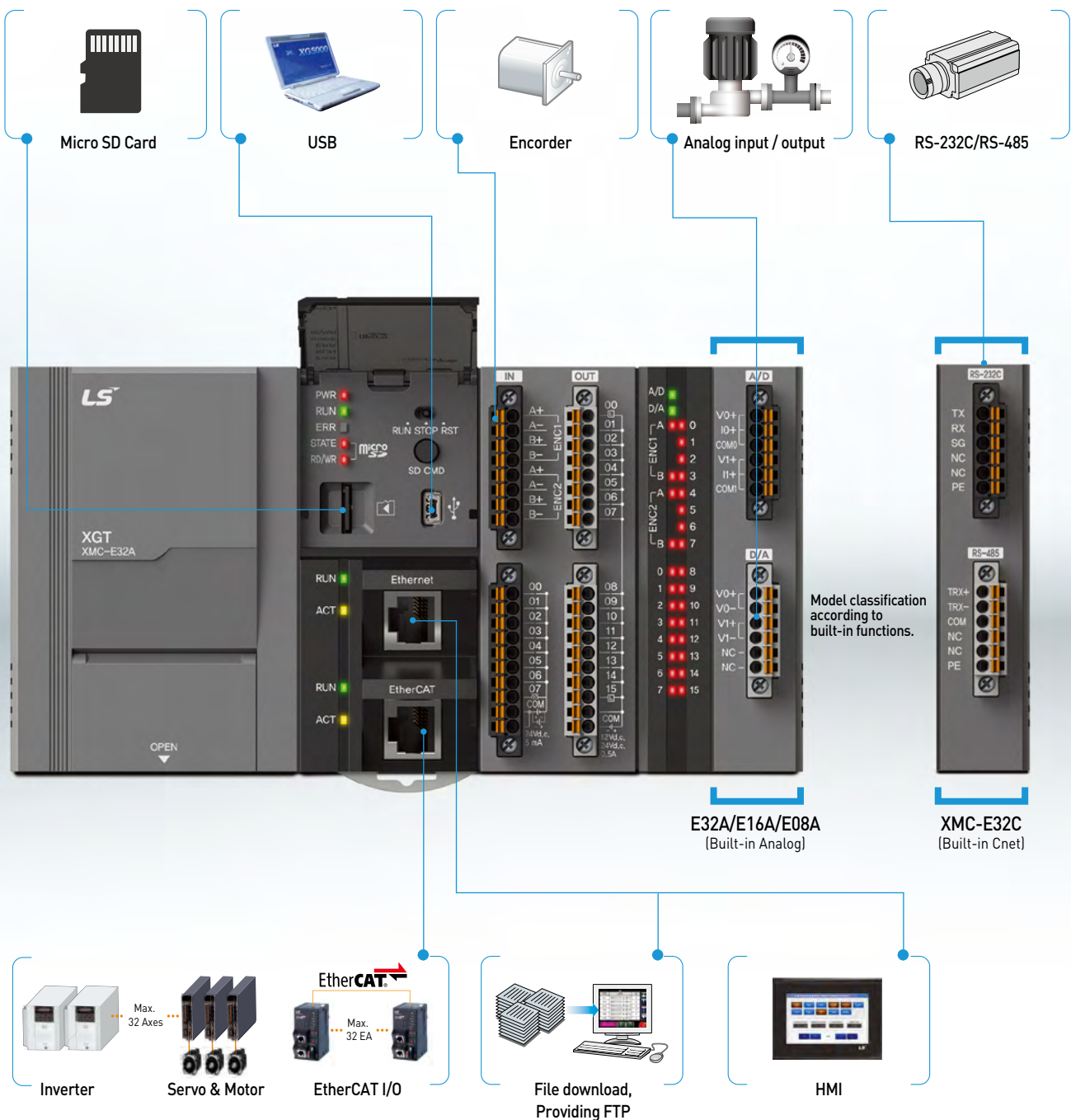
- XG5000 software for programming and monitoring
  - Sole, integrated architecture for programming, diagnosing and simulating for both motion controller and PLC
  - IEC standard Motion Function Blocks
- SD card slot (SD card not included)
  - Saving and executing programs, Data Logging



# System Configuration XMC-E32A/E16A/E08A/E32C

## EtherCAT-based Motion Control System Ensures Efficient System Environment

Motion Controller delivers an optimized solution to a system that has a need for motion control. With 8 digital inputs / 16 outputs, 2 analog Inputs / Output (XMC-E32A/E16A/E08A only), 2 encoder inputs, RS-232C/RS-485(XMC-E32C only), and EtherCAT devices (Servo Drive, INV, EtherCAT I/O, Robot), all can be connected rapidly and easily.

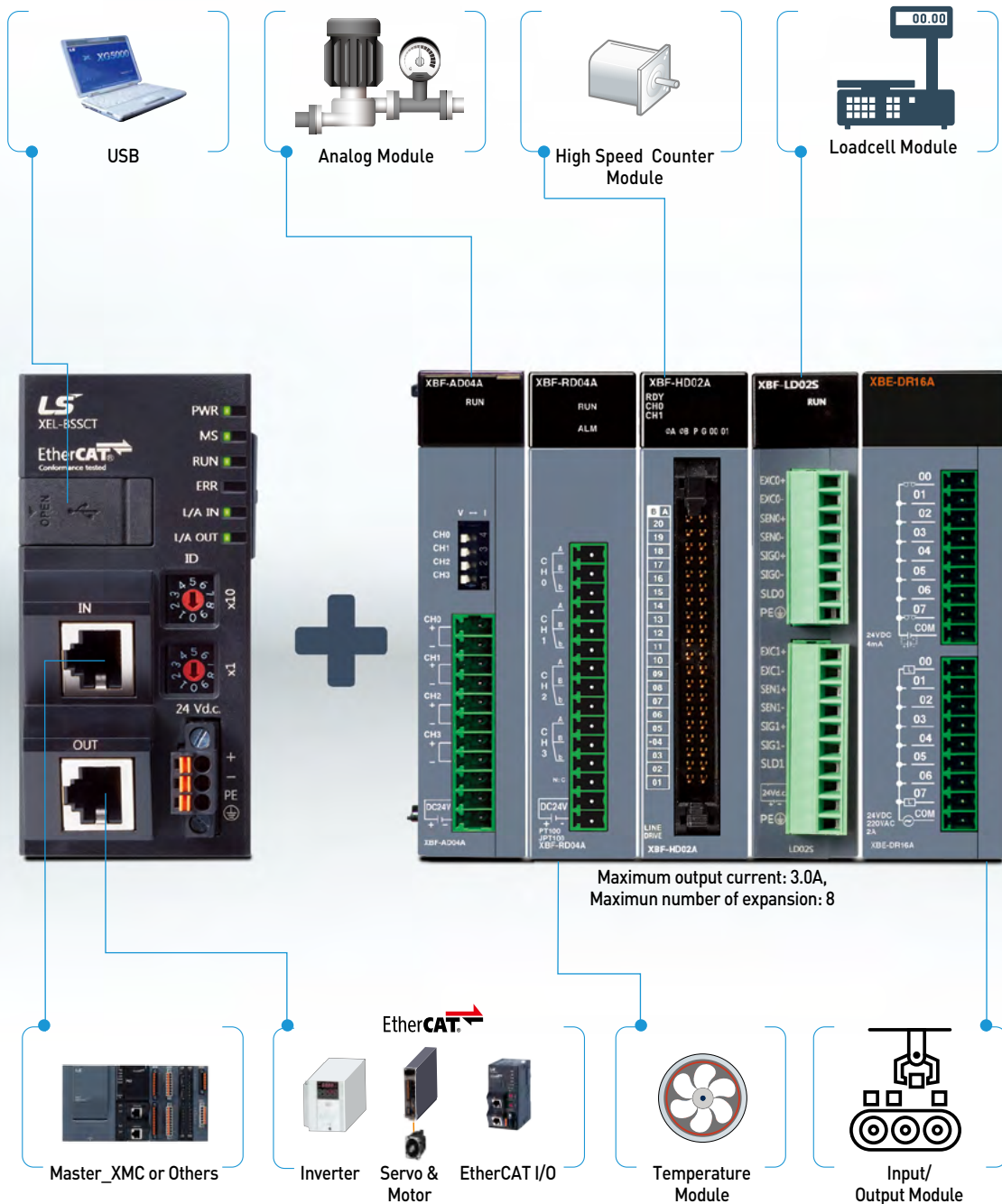


\* Refer to page 8 (Performance Specification) for supported axis information.

# System Configuration XEL-BSSCT

## EtherCAT-based Connectivity

Connectivity with EtherCAT master (XMC-E32A/16A/08A/E32C) offers a total motion solution with devices such as sensors and analog modules



# XMC-E32A/E16A/E08A/E32C

## General Specification

| Item                 | Specification  |                                     |                     |   | Related specifications      |
|----------------------|--|-------------------------------------|---------------------|---|-----------------------------|
| Ambient temperature  | 0~55°C   |                                     |                     |   | -                           |
| Storage temperature  | -25 ~ +70°C  |                                     |                     |   | -                           |
| Ambient humidity     | 5~95RH (Non-condensing)  |                                     |                     |   | -                           |
| Storage humidity     | 5~95RH (Non-condensing)  |                                     |                     |   | -                           |
| Vibration resistance | Ocasional vibration  |                                     |                     | -   | IEC61131-2                  |
|                      | Frequency  | Acceleration                        | Amplitude           | How many times                                      |                             |
|                      | 5 ≤ f < 8.4Hz  | -                                   | 3.5mm               | 10 times each directions (X, Y and Z)               |                             |
|                      | 8.4 ≤ f ≤ 150Hz  | 9.8m/s <sup>2</sup> (1G)            | -                   |   |                             |
|                      | For continuous vibration   |                                     |                     |   |                             |
|                      | Frequency  | Acceleration                        | Amplitude           |   |                             |
| 5 ≤ f < 8.4Hz        | -  | 1.75mm                              |                     |   |                             |
| 8.4 ≤ f ≤ 150Hz      | 4.9m/s <sup>2</sup> (0.5G)   | -                                   |                     |   |                             |
| Shock resistance     | Peak acceleration : 147 m/s <sup>2</sup> (15G)<br>Duration : 11ms<br>Half-sine, 3 times each direction per each axis |                                     |                     |   | IEC61131-2                  |
| Noise resistance     | Square wave Impulse noise  | AC: ±1,500 V<br>DC: ±900 V          |                     |   | LSIS standard               |
|                      | Electrostatic discharge  | Voltage : 4kV (contact discharging) |                     |   | IEC61131-2<br>IEC61000-4-2  |
|                      | Radiated electromagnetic field noise   | 80~1,000MHz, 10 V/m                 |                     |   | IEC61131-2,<br>IEC61000-4-3 |
|                      | Fast transient /bust noise   | Segment                             | Power supply module | Digital/analog input/output communication interface | IEC61131-2<br>IEC61000-4-4  |
| Voltage              |  | 2kV                                 | 1kV                 |   |                             |
| Environment          | Free from corrosive gasses and excessive dust  |                                     |                     |   | -                           |
| Altitude             | Up to 2,000m   |                                     |                     |   | -                           |
| Pollution degree     | Less than equal to 2   |                                     |                     |   | -                           |
| Cooling              | Air-cooling  |                                     |                     |   | -                           |

## Power Specification

| Item                              |                        | Specification                |                             |                 | Remark                  |
|-----------------------------------|------------------------|------------------------------|-----------------------------|-----------------|-------------------------|
| Input                             | Rated input voltage    | AC100V~AC240V                |                             |                 |                         |
|                                   | Input frequency        | 50/60Hz                      |                             |                 |                         |
|                                   | Input current          | 0.7A or less                 |                             |                 | AC110V                  |
|                                   |                        | 0.4A or less                 |                             |                 | AC240V                  |
|                                   | Inrush current         | 120A <sub>peak</sub> or less |                             |                 | AC240V, Phase 90 degree |
|                                   | Leakage current        | 3mA or less                  |                             |                 |                         |
|                                   | Efficiency             | 65% or more                  |                             |                 |                         |
| Permitted momentary power failure | 10ms or less           |                              |                             |                 |                         |
| Output                            | Output voltage         | Voltage                      | Output voltage ripple range | Current         |                         |
|                                   |                        | +5V                          | 4.90~5.20V                  | 4A              |                         |
|                                   | +24V                   | 21.1~26.9V                   | 0.4A                        |                 |                         |
|                                   | Ripple & Noise         | Voltage                      | 10ms or                     | Noise           |                         |
|                                   |                        | +5V                          | 100mVpp or less             | 200mVpp or less |                         |
|                                   |                        | +24V                         | 400mVpp or less             |                 |                         |
|                                   | Protecting overcurrent | Voltage                      | Current                     |                 |                         |
| +5V                               |                        | 4.4A or more                 |                             |                 |                         |
| +24V                              | 0.44A or more          |                              |                             |                 |                         |

# XMC-E32A/E16A/E08A/E32C

## Performance Specification

| Item                         |                        | Specification   |       |
|------------------------------|------------------------|---|-------|
| Operation method             |                        | Main task/Periodic task: Fixed cyclic operation, repetitive operation.<br>Initial task: Only once at the time of entering the RUN |       |
| Control period               |                        | Main task cyclic time: 0.5ms, 1ms, 2ms, 4ms Periodic task cyclic time: Multiple setting of main task                              |       |
| I/O Control method           |                        | Synchronized update with main task cycle (Refresh method)   |       |
| Program language             |                        | Ladder Diagram (Function block), Structured Text, G-Code  |       |
| Number of instruction        | Operator               | 18  |       |
|                              | Basic function         | 202   |       |
|                              | Basic function block   | 174   |       |
|                              | Special function block | 97  |       |
| Processing speed             | Basic                  | 6.25ns or more (General point/coil)   |       |
|                              | Move                   | 5ns or more (Word type)   |       |
|                              | Arithmetic             | 30ns or more (Word type)  |       |
| Program                      | number                 | Max. 256  |       |
|                              | Capacity               | 10MB (Motion program), 10MB (NC program)  |       |
| Data area                    | Symbolic variable (A)  | 4.096KB (Retain setting available up to 2,048KB)  |       |
|                              | Input variable (I)     | 16KB  |       |
|                              | Output variable (Q)    | 16KB  |       |
|                              | Direct variable (M)    | 2,048KB (Retain setting available up to 1,024KB)  |       |
|                              | Flag variable          | F   | 128KB |
|                              |                        | K   | 18KB  |
|                              |                        | U   | 1KB   |
| L                            |                        | 22KB <small>Note1</small>   |       |
| N                            |                        | 49KB <small>Note1</small>   |       |
| Timer                        |                        | No limit in number of I/O points, Time range: 0.001~4,294,967,295sec (1,193hour)  |       |
| Counter                      |                        | No limit in number of I/O points, Counter range: 64 bit range   |       |
| Program                      |                        | Initial program, Main task program, Periodic task program, NC program   |       |
| Operation mode               |                        | RUN, STOP   |       |
| Restart mode                 |                        | Cold, Warm  |       |
| Self-diagnosis function      |                        | Task cycle error, Task time occupancy rate exceed, memory abnormal, power abnormal, etc.  |       |
| Back-up method               |                        | Retain area setting in basic parameter or retain variable setting.  |       |
| Number of control axis       | XMC-E32A, E32C         | 32 axes (Real/Virtual axis), 4axis (Virtual axis),<br>64 slaves (Max 32 slaves in case of 32 axes (Serov, INV) control)           |       |
|                              | XMC-E16A               | 16 axes (Real/Virtual axis), 2axis (Virtual axis),<br>32 slaves (Max 16 slaves in case of 16 axes(Serov, INV) control)            |       |
|                              | XMC-E08A               | 8 axes (Real/Virtual axis), 1axis (Virtual axis),<br>16 slaves (Max 8 slaves in case of 8 axes(Serov, INV) control)               |       |
| CAM operation                | XMC-E32A, E32C         | 32 profiles/32,768 points   |       |
|                              | XMC-E16A               | 16 profiles/16,384 points   |       |
|                              | XMC-E08A               | 8 profiles/8,192 points   |       |
| Communication                |                        | EtherCAT (CoE: CANopen over EtherCAT, FoE: File Access over EtherCAT)   |       |
| Communication/Control period |                        | 0.5ms, 1ms, 2ms, 4ms (Same with main task period)   |       |
| Servo drive                  |                        | EtherCAT servo drive which supports CoE   |       |
| Control unit                 |                        | Pulse, mm, inch, degree   |       |
| Control method               |                        | Position, Velocity, Torque (Servo drive support), Synchronous, Interpolation  |       |
| Range of position / Velocity |                        | ± LREAL, 0  |       |
| Torque unit                  |                        | Rated torque % designation  |       |
| Acc./Dec. profile            |                        | Trapezoidal, S-curve(Regarding Jerk value set by function block)  |       |
| Rage of Acc/Dec              |                        | ± LREAL, 0  |       |
| Manual operation             |                        | JOG operation   |       |
| Absolute system              |                        | Available (When using absolute encoder type servo drive)  |       |
| Encoder input                | Channel                | 2 channels  |       |
|                              | Max.input              | 500kpps   |       |
|                              | Input method           | Line drive input (RS-422A IEC specification), Available open collector output type encoder  |       |
|                              | Input type             | CW/CCW, Pulse/Dir, Phase A/B  |       |

Note1 "L and N" area are supported by XMC-E32C only.



## Performance Specification

| Item                            |   | Specification   |
|---------------------------------|---|---|
| Input / Output                  | Digital input / Output                  | 8 point / 16 points (Tr. output)  |
|                                 | Analog input / Output <sup>Note1)</sup> | Channels: 2ch In, 2ch Out<br>Input/Output voltage range: -10~10V / 0~10V / 1~5V / 0~5V<br>Input current range : 4~20mA / 0~20mA<br>Max, resolution : 14bit (1/16000), Accuracy: 0.2% (25℃), 0.3% (0~55℃)<br>Conversion speed: 0.5ms / channel<br>Absolute maximum input: Voltage 15 VDC, Current 30mADC |
| Coordinate systems              | Applicable robot                        | Cartesian, Delta  |
|                                 | Settings                                | XG5000  |
|                                 | Control language                        | Function block  |
| SD Memory                       | Type                                    | Micro SD/SDHC   |
|                                 | File system                             | FAT32   |
|                                 | Capacity                                | Max. 32GB installation (Memory over 8GB can use only 8GB of overall area)   |
|                                 | Service                                 | Program back-up/Restoration, Booting operation , Data log   |
| Embedded ethernet               | Communication speed                     | Auto/10Mbps/100Mbps   |
|                                 | Communication port                      | 1 port  |
|                                 | Communication distance                  | Max. distance between nodes: 100m   |
|                                 | Service                                 | Loader service (XG5000)<br>XGT Protocol (LS protocol), Modbus TCP<br>FTP Server: Able to read/Write SD Memory files from other devices<br>SNTP Client: Network time synchronization with server   |
| Embedded cnet <sup>Note2)</sup> | Communication port                      | Ch 1: RS-232C, Ch 2: RS-485   |
|                                 | Service                                 | XGT Protocol,<br>Modbus Protocol,<br>User-defined Protocol<br>LS Bus (LS AC drive) Protocol   |
| USB                             | Performance                             | USB 2.0, 1 port   |
|                                 | Service                                 | Loader service (XG5000)   |
| Error indication                |   | Indicated by LED  |
| Weight                          |   | 790g  |

<sup>Note1)</sup> Analog Input/Output are supported by XMC-E32A/E16A/E08A

<sup>Note2)</sup> Built-in Cnet communication is supported by XMC-E32C

## EtherCAT Communication Specification

| Item                          | Specification                                       |
|-------------------------------|---|
| Communication protocol        | EtherCAT  |
| Support specification         | CoE (CANopen over EtherCAT)                         |
| Physical layer                | 100BASE-TX  |
| Communication speed           | 100Mbps   |
| Topology                      | Daisy chain   |
| Communication cable           | Over cat. 5 STP (Shielded Twisted-pair) cable       |
| Communication period          | 0.5ms/1ms/2ms/ 4ms                                  |
| Synchronous jitter            | Under 1us   |
| Synchronous communication     | PDO (Process Date Object) Mapping through CoE       |
| Non-Synchronous communication | SDO (Service Data Object) Communication through CoE |
| Communication setting         | Set the communication configuration using XG5000    |

# XEL-BSSCT

## Performance Specification

| Classification   | Item  |   | Specification   |                                   |
|--|---|---|---|-----------------------------------|
| Performance specification of adapter                           | Maximum number of expansion                       |   | 8   |                                   |
|  | Operation mode                                    |   | RUN, STOP (The test operation through the XG5000 is only available in STOP mode.) |                                   |
|  | Refresh time                                      |   | DC Sync0 time x refresh time (0 ~ 100)  |                                   |
|  | Standard input filter                             |   | 1, 3, 5, 10, 20, 70, 100ms  |                                   |
|  | Self-diagnosis function                           |   | Indication of a current error and warning   |                                   |
|  | EEPROM  | Self-recovery function                          |   | Enable/disable automatic recovery |
|  |   | EEPROM size                                     |   | 4 KB                              |
|  | Memory  | System flag area                                | F   | 2 KB                              |
|  |   | Extension module mapping area                   | I   | 2 KB                              |
|  |   |   | Q   | 2 KB                              |
|  |   |   | U   | 1 KB                              |
| External connection terminal                                   | Programming port                                  |   | USB 1 channel   |                                   |
|  | Communication port                                |   | RJ45 2 ports (Response to shield)   |                                   |
|  | Power port  |   | 3-Pin push-in/screw fixing type connector   |                                   |
| Status indicator LED   |   | 6 types including PWR, MS, RUN, ERR, IN and OUT |   |                                   |
| Communication specification of EtherCAT                        | Maximum number of expansion modules to be mounted |   | 8 modules   |                                   |
|  | Communication protocol                            |   | EtherCAT  |                                   |
|  | Data transfer speed                               |   | 100Mbps   |                                   |
|  | Physical layer                                    |   | 100BASE-TX (IEEE 802.3)   |                                   |
|  | Topology  |   | Conforms to the specification of EtherCAT master.                                 |                                   |
|  | Transmission media                                |   | STP (Shielded Twisted-pair) cable with Category 5 or higher                       |                                   |
|  | Transmission distance                             |   | 100m or less between the nodes  |                                   |
|  | Size of PDO data for transmission and reception   |   | Input: Up to 1,024 byte, output: Up to 1,024 byte                                 |                                   |
|  | Size of mailbox data                              |   | Input: Up to 256 byte, output: Up to 256 byte                                     |                                   |
|  | Mailbox support command                           |   | SDO requests, SDO information   |                                   |
|  | Refresh method                                    |   | Free-Run, Refresh Sync mode (For LSIS Co., Ltd. only)                             |                                   |
|  | Node address setting method                       |   | Rotary switch, master, PADT   |                                   |
|  | Node address setting range                        |   | Explicit ID(1 ~ 99)   |                                   |
| Alias Address(1 ~ 65535)                                       |   |   |   |                                   |
| Applies the EEPROM value set by the master when setting PADT 0 |   |   |   |                                   |

## Power Specification

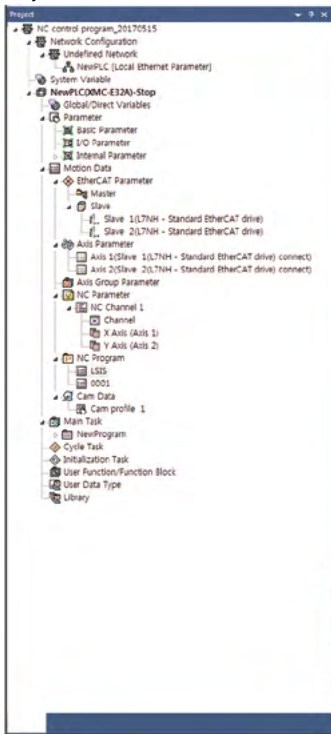
|                              | Item                                 | Specification                            | Condition                               |
|------------------------------|--------------------------------------|--|---|
| Input                        | Rated input voltage                  | DC24V                                    |   |
|                              | Input voltage range                  | DC20.4 ~ 28.8V(-15%, +20%)               | Within -15% and +20% of the rated input |
|                              | Input current                        | Less than 1.3A (Typ.1A)                  | Input +DC28.8V, maximum load            |
|                              | Inrush current                       | 50A peak or less                         | Input +DC28.8V, maximum load            |
|                              | Efficiency                           | 80 % or more                             | Input +DC28.8V, maximum load            |
|                              | Permitted instantaneous interruption | Within 10 ms                             | Input +DC28.8V, maximum load            |
| Output                       | Rated output voltage                 | DC5V (±2%)                               |   |
|                              | Output current                       | 3.0A                                     |   |
| Indication of voltage status |                                      | LED On when the output voltage is normal |   |
| Cable specification          |                                      | 22 ~ 20 AWG (0.3 ~ 0.5mm <sup>2</sup> )  |   |

# Motion Solution

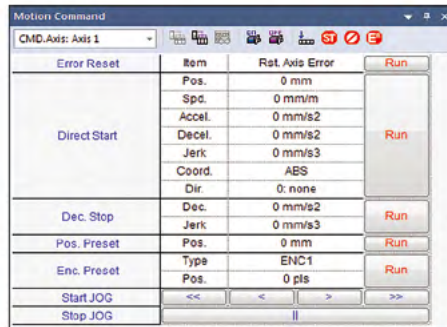
## XG5000: All You Need for both PLC Programming and Motion Control

All the control windows, that is, project, program editor, motion control commands and status monitor, are implemented in a single tool, XG5000.

Project Tree



Motion Command



Status Monitor



Program Editor



ESI Library



# Motion Solution

## G-code Commands Available for Controlling CNC Equipments

Control CNC equipments such as packing machine and cutting machine easily with G-code commands.

### Choose NC channel & axis

| NC | Axis      |
|----|-----------|
| 1  | X Axis 1  |
| 2  | Y Axis 2  |
| 3  | Z Disable |
| 4  | A Disable |
| 5  | B Disable |
| 6  | C Disable |
| 7  | U Disable |
| 8  | V Disable |
| 9  | W Disable |
| 10 | S Disable |

### NC programming by G-code & M-code

```
1 G90
2 G00 X0 Y0
3 G01 X100 Y100 F1000
4 X0 Y200
5 X-100 Y100
6 X0 Y0
7
8 H98 F0001
9
10 M98 M98 Comment: Auxiliary Program Call
```

```
1 G02 X0 Y0 I0 J100 F1000
2
3 M98 M98 Comment: End of the Auxiliary Program
```

Main program

Sub program

NC program control by NC Function Block (NC\_LOADPROGRAM, NC\_CYCLESTART)



## Robot Control: Innovative Control Function for Smart Solution

With the support of group motion in coordinate system, it is possible to control various types of robots such as Cartesian, Delta3, Delta3R and Linear Delta.

| MC_SETKINTRANSFORM |              |   |                   |
|--------------------|--------------|---|-------------------|
| BOOL               | -Execute     |   | Done-BOOL         |
| UINT               | -AxisGroup   | - | AxisGroup-UINT    |
| UINT               | -KinType     |   | Buty-BOOL         |
| UINT               | -KinParam    |   | Active-BOOL       |
| ABSVAL OF LREAL    | -KinParam    |   | CommandAbort-BOOL |
| LREAL              | -ToolOffSetX |   | Error-BOOL        |
| LREAL              | -ToolOffSetY |   | ErrorID-WORD      |
| LREAL              | -ToolOffSetZ |   |                   |

or

| Coordinate system configuration |                  |
|---------------------------------|------------------|
| Coordinate system Type          | 0: None          |
| Coordinate system parameter1    | 0: None          |
| Coordinate system parameter2    | 1: XYZ           |
| Coordinate system parameter3    | 2: Delta3        |
| Coordinate system parameter4    | 3: Delta3R       |
| Coordinate system parameter5    | 4: LinearDelta3  |
| Coordinate system parameter6    | 5: LinearDelta3R |
| Coordinate system parameter6    | 0                |

Coordinate system and tool setting via MC\_SETKINTRANSFORM  
(Set in axis group parameter)  
XYZ/Delta3/Delta3R/Linear Delta

| MC_SETCARTESIANTRANSFORM |            |   |                   |
|--------------------------|------------|---|-------------------|
| BOOL                     | -Execute   |   | Done-BOOL         |
| UINT                     | -AxisGroup | - | AxisGroup-UINT    |
| LREAL                    | -TransX    |   | Buty-BOOL         |
| LREAL                    | -TransY    |   | Active-BOOL       |
| LREAL                    | -TransZ    |   | CommandAbort-BOOL |
| LREAL                    | -RotAngleA |   | Error-BOOL        |
| LREAL                    | -RotAngleB |   | ErrorID-WORD      |
| LREAL                    | -RotAngleC |   |                   |

or

| PCS Configuration  |       |
|--------------------|-------|
| X-axis feed amount | 0 mm  |
| Y-axis feed amount | 0 mm  |
| Z-axis feed amount | 0 mm  |
| X-axis rotation    | 0 deg |
| Y-axis rotation    | 0 deg |
| Z-axis rotation    | 0 deg |

PCS setting via MC\_SETCARTESIANTRANSFORM  
(Set in axis group parameter)  
Indicate the position of the machine by moving  
or rotating based on the product coordinate system

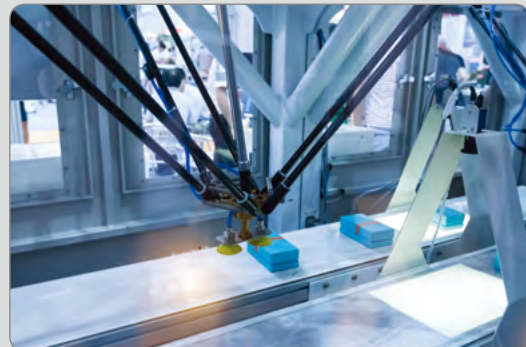
| LS_SETWORKSPACE |                      |   |                   |
|-----------------|----------------------|---|-------------------|
| BOOL            | -Execute             |   | Done-BOOL         |
| UINT            | -AxisGroup           | - | AxisGroup-UINT    |
| UINT            | -WorkspaceType       |   | Buty-BOOL         |
| BOOL            | -WorkspaceErrorLevel |   | Active-BOOL       |
| ABSVAL OF LREAL | -WorkspaceParam      |   | CommandAbort-BOOL |
| LREAL           | -Error               |   | Error-BOOL        |
| LREAL           | -ErrorID             |   | ErrorID-WORD      |

or

| Workspace configuration |              |
|-------------------------|--------------|
| Workspace type          | 0: Rectangle |
| Workspace error check   | 0: Disable   |
| Workspace Parameter1    | 170 mm       |
| Workspace Parameter2    | -170 mm      |
| Workspace Parameter3    | 170 mm       |
| Workspace Parameter4    | -170 mm      |
| Workspace Parameter5    | -380 mm      |
| Workspace Parameter6    | -580 mm      |
| Workspace Parameter7    | 0            |
| Workspace Parameter8    | 0            |

Work space setting via MC\_SETWORKSPACE  
(Set in axis group parameter)  
Safe workspace setting to prevent safety accidents

Starting operation by coordinate system dedicated command such as MC\_MOVECIRCULARABSOLUTE2D, LS\_MOVELINEARTIMEABSOLUTE, etc.

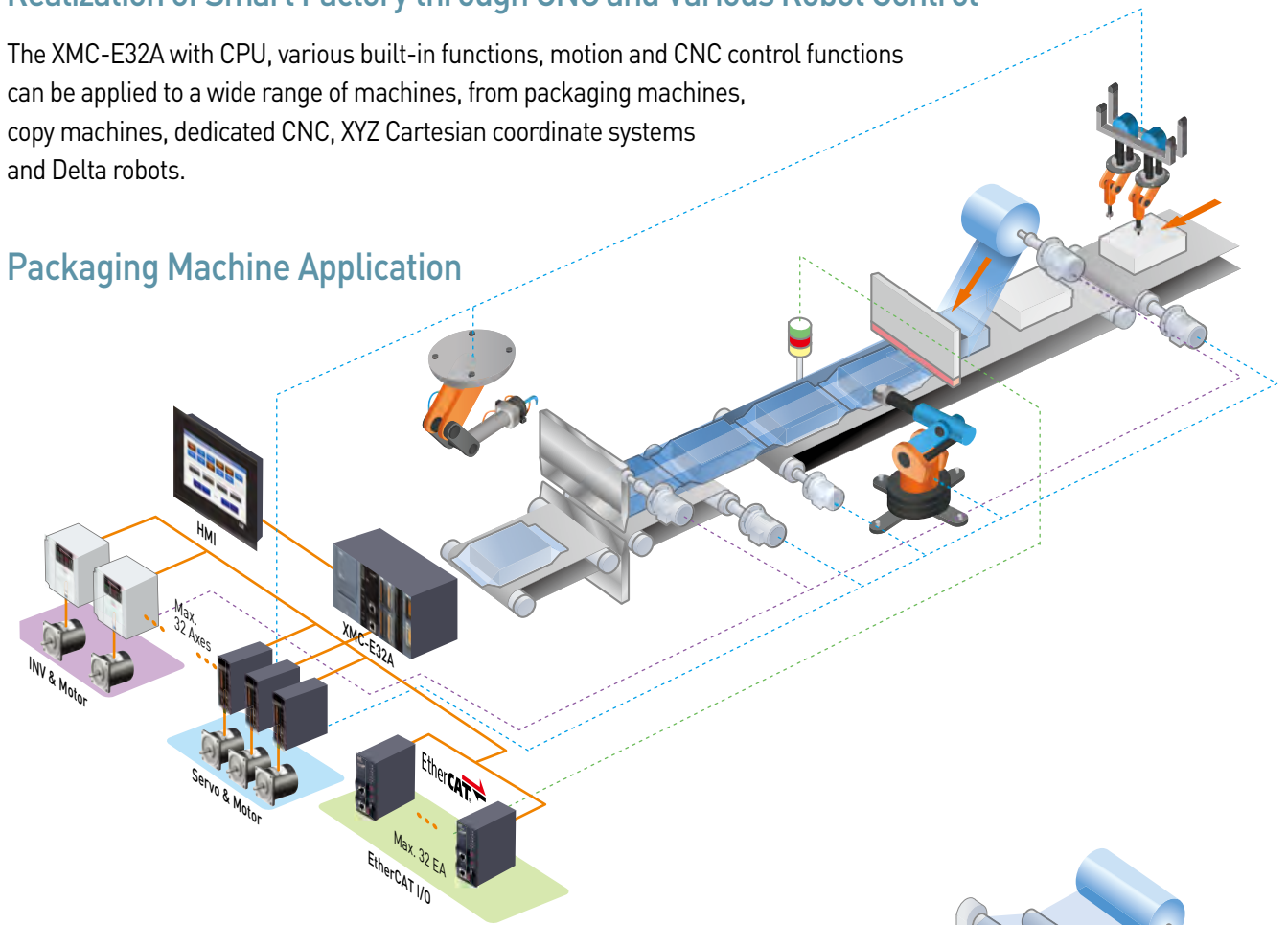


# Application

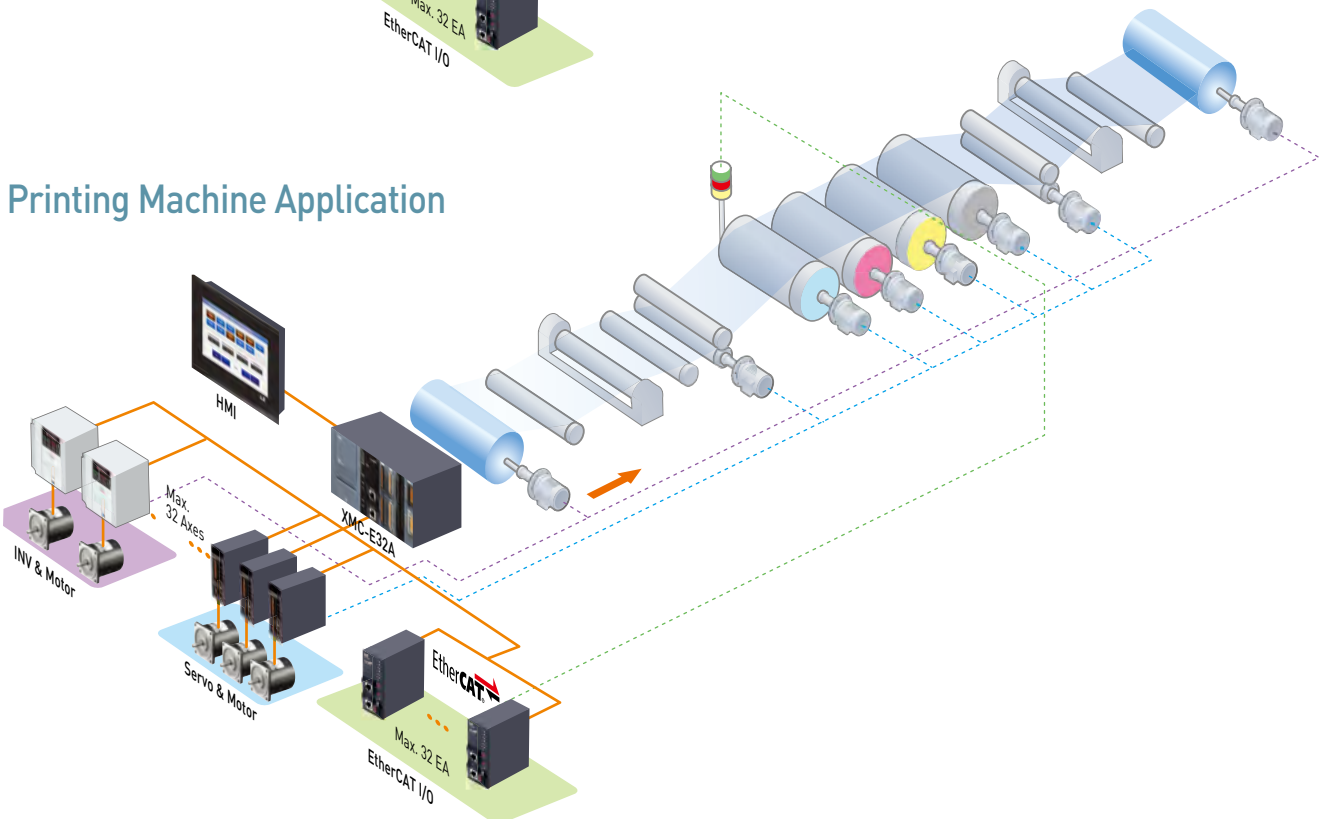
## Realization of Smart Factory through CNC and Various Robot Control

The XMC-E32A with CPU, various built-in functions, motion and CNC control functions can be applied to a wide range of machines, from packaging machines, copy machines, dedicated CNC, XYZ Cartesian coordinate systems and Delta robots.

### Packaging Machine Application

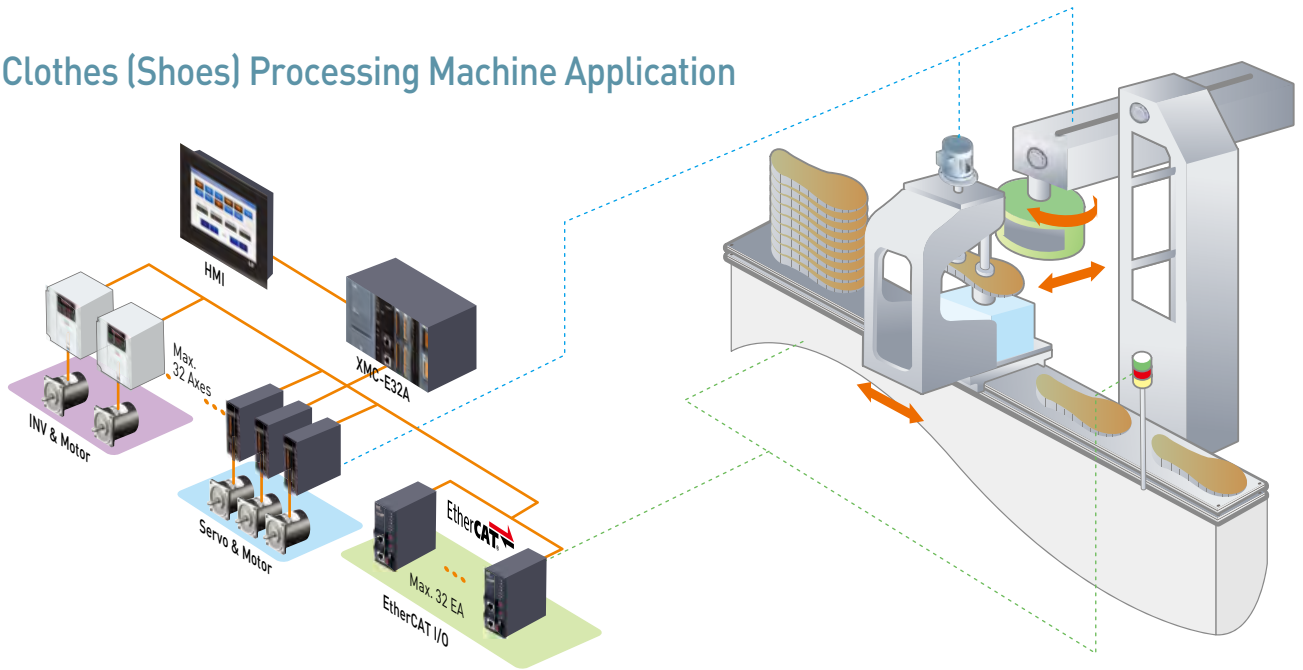


### Printing Machine Application

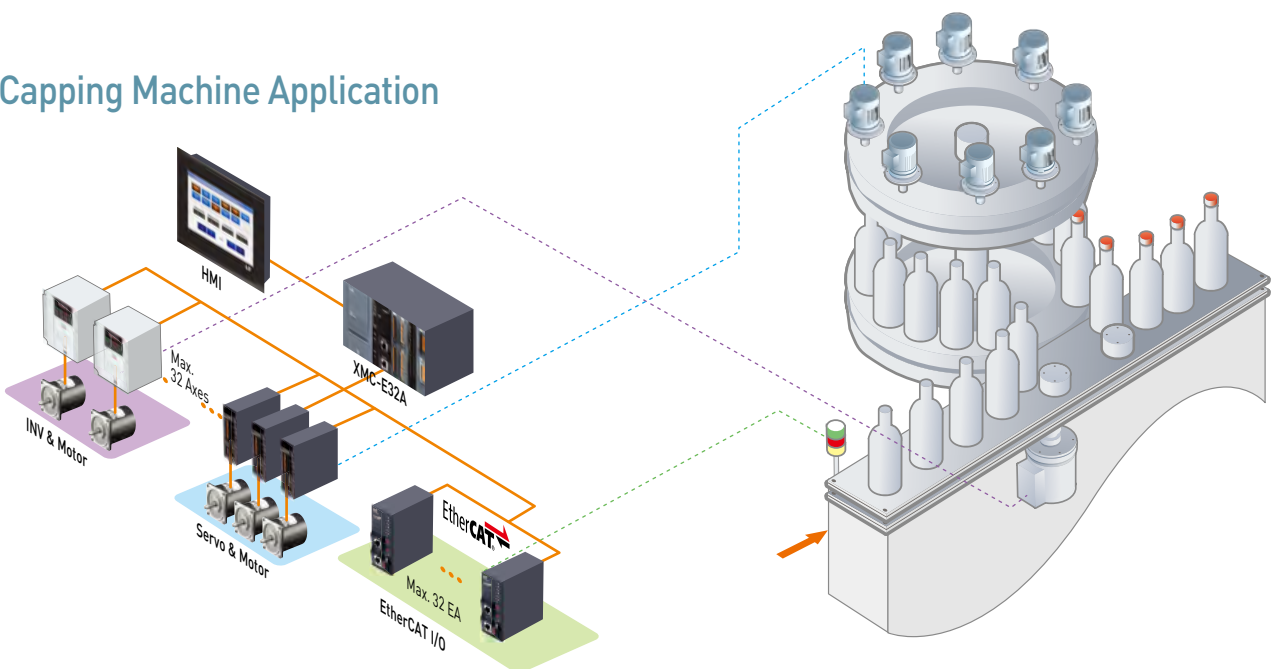




### Clothes (Shoes) Processing Machine Application

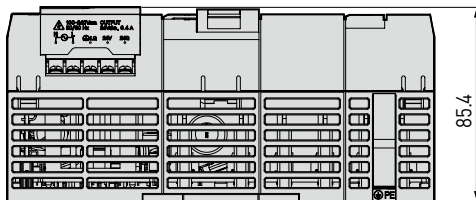
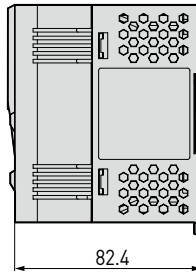
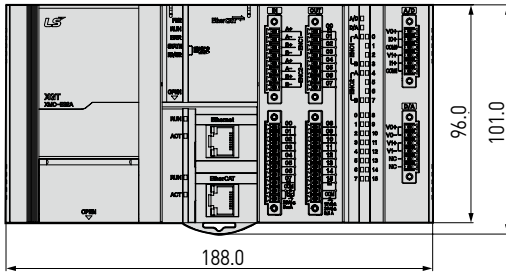
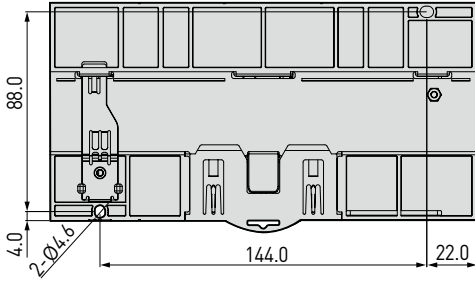


### Capping Machine Application

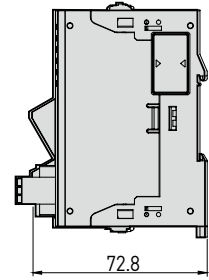
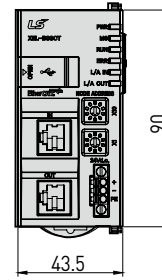
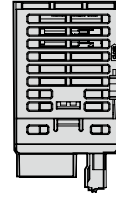


※ Refer to LSIS servo drive/motor catalogue and LSIS planetary gearbox catalogue for further details.

**XMC-E32A/E16A/E08A/E32C**



**XEL-BSSCT**



• According to The WEEE Directive, please do not discard the device with your household waste.



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