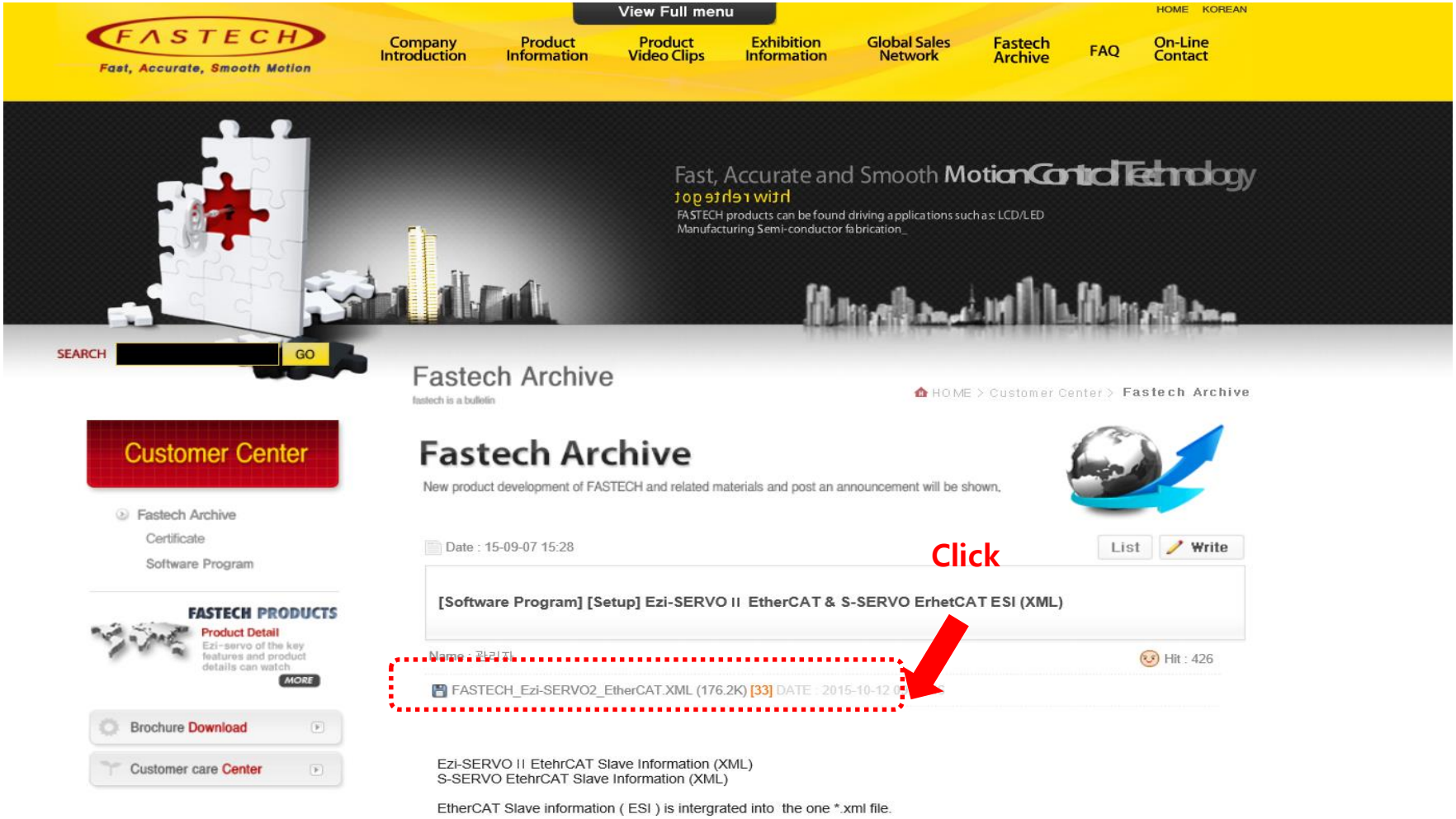
FASTECH
Fast, Accurate, Smooth Motion Control

Ezi-SERVOII-EC set up manual for ACS

Ezi-SERVO®
Closed Loop Stepping System

▣ Ezi-SERVOII-EC data Download [ESI(XML)]

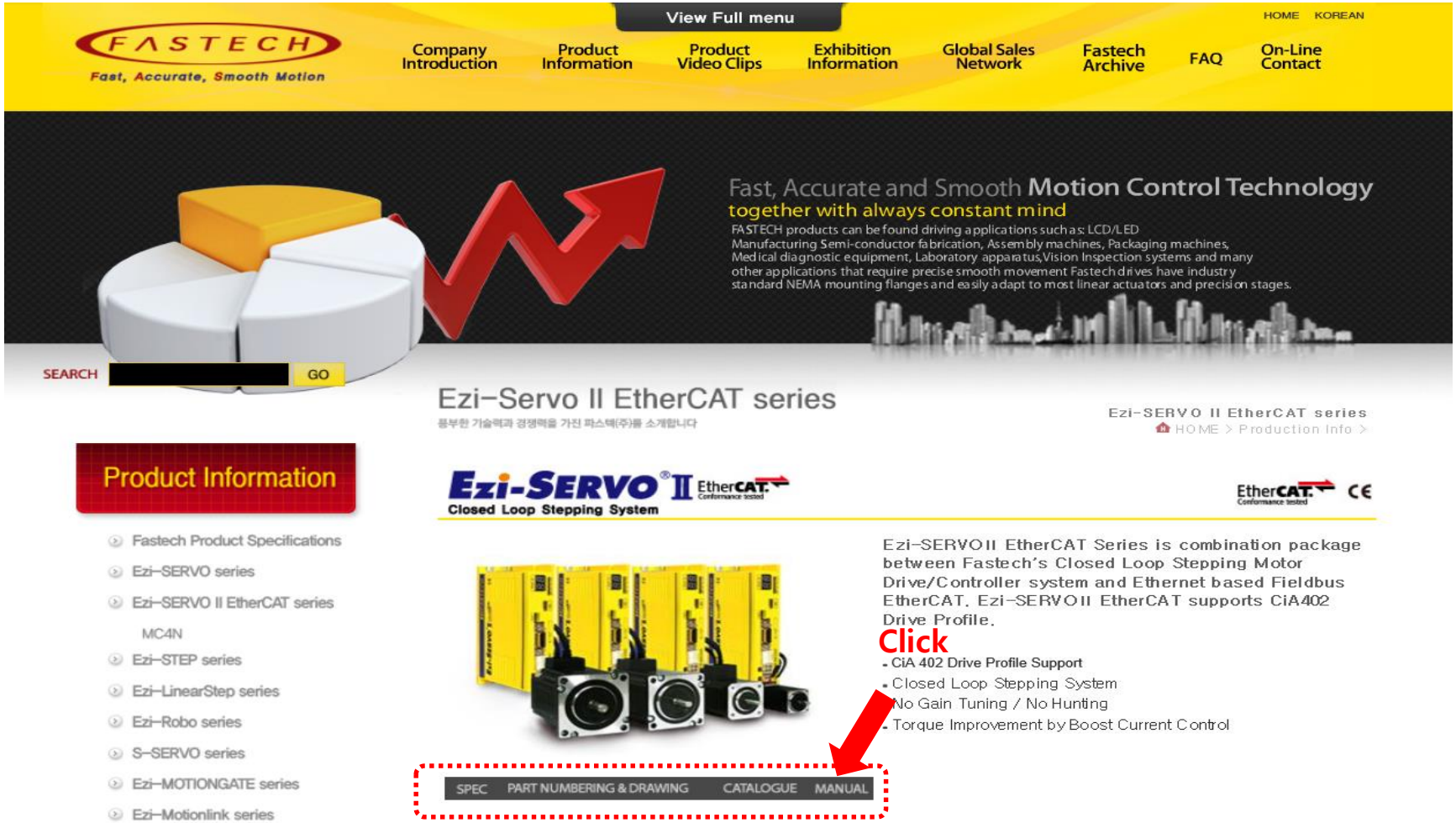
❑ **ESI(XML)** : Download from www.fastech.co.kr **webpage [FASTECH Archive]**



Ezi-SERVO®
Closed Loop Stepping System

▣ Ezi-SERVOII-EC data Download [Manual]

❑ **Manual** : Download from www.fastech.co.kr **webpage [Product information]**

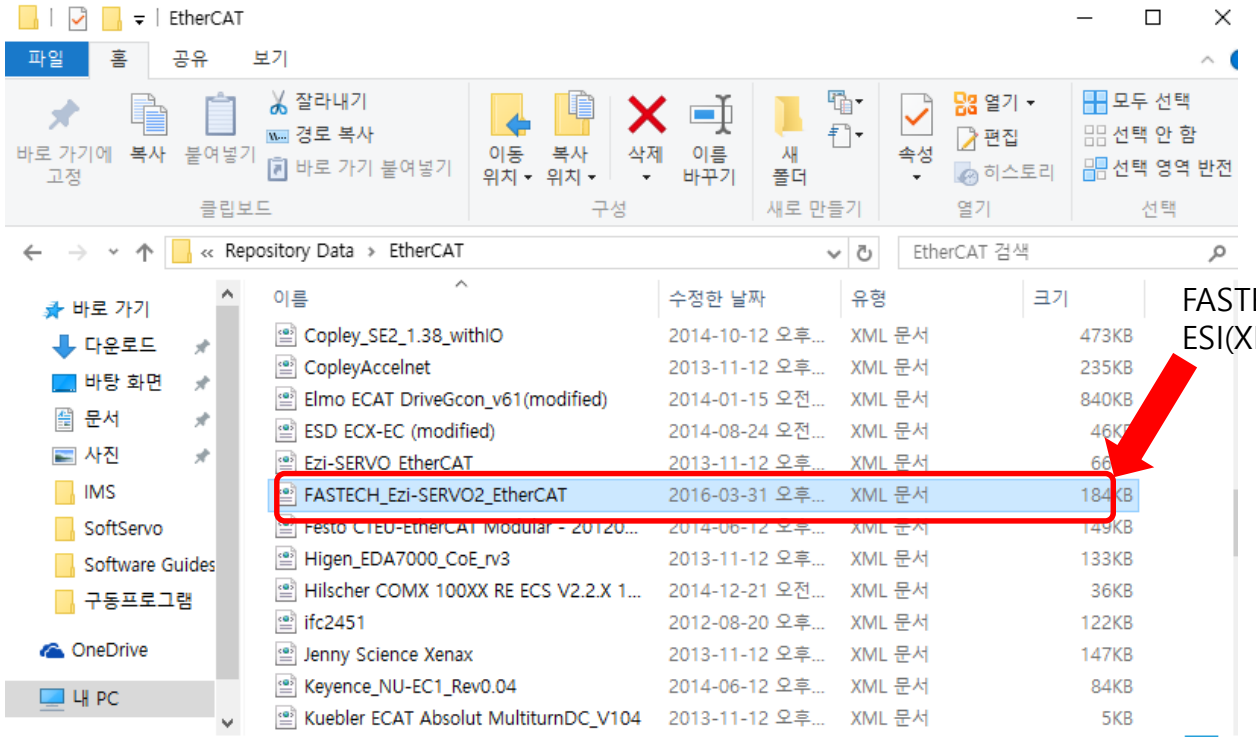


Ezi-SERVO®
Closed Loop Stepping System

▣ ESI(XML) file save

❑ Make copy of ESI (XML) file from FASTECH website through below path

Path : C:₩Program Files₩ACS Motion Control₩SPiiPlusNT Suite 2.28₩SPiiPlus MMI Application Studio ₩Repository Data₩EtherCAT

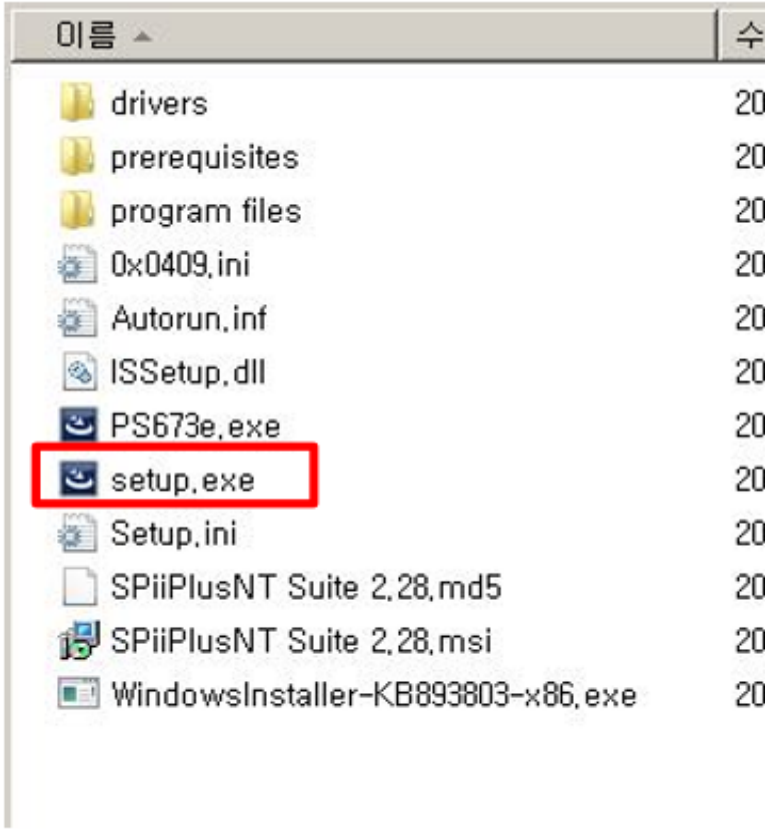


Ezi-SERVO®
Closed Loop Stepping System

1. Program install [ACS operating program]

❑ MMI install

1. MMI install CD or unzip file and execute the setup.exe file.

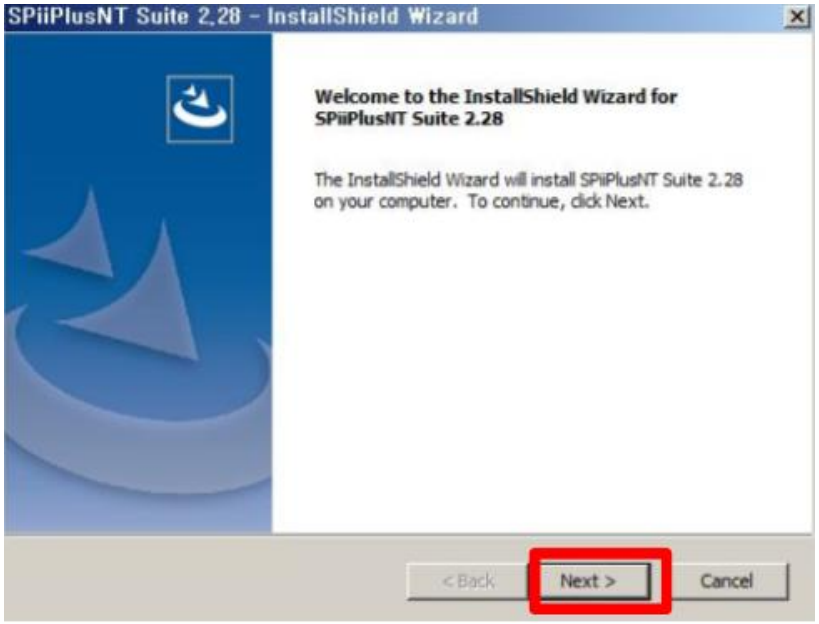


2. Stay during the Installation

1. Program install [ACS operating program]

❑ MMI install

3. Click to Next button for next progress .

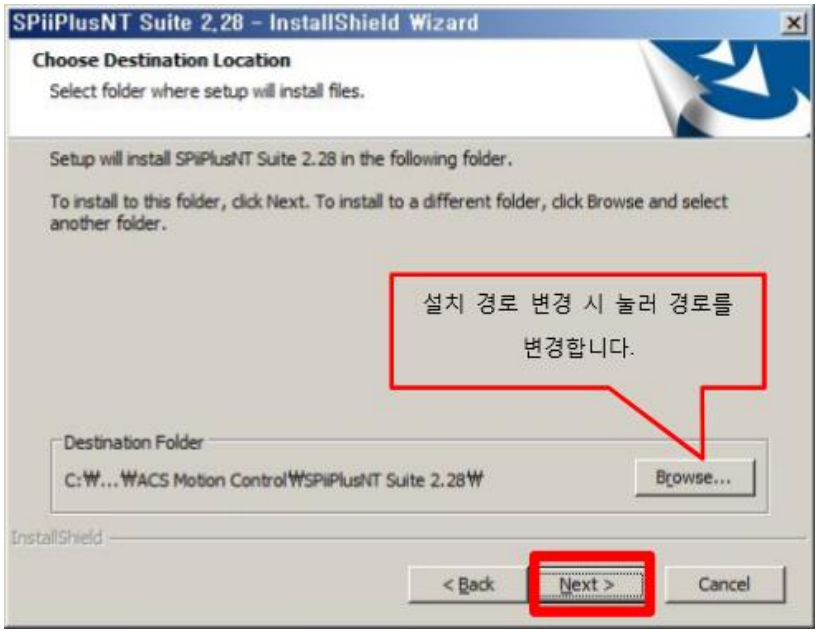


4. After checking the Accept , Click to Next.

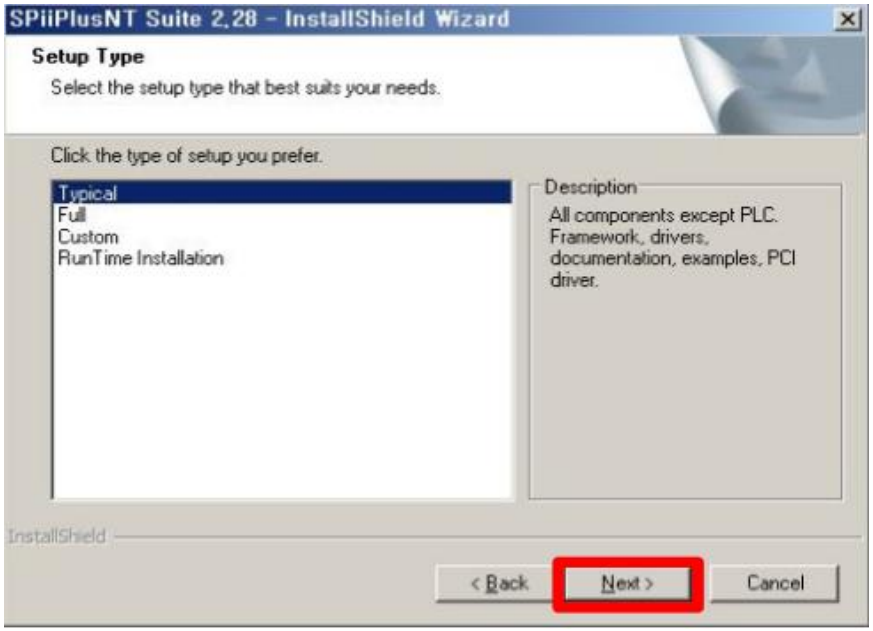
1. Program install [ACS operating program]

❑ MMI install

5. Click to Next button when using the standard path.



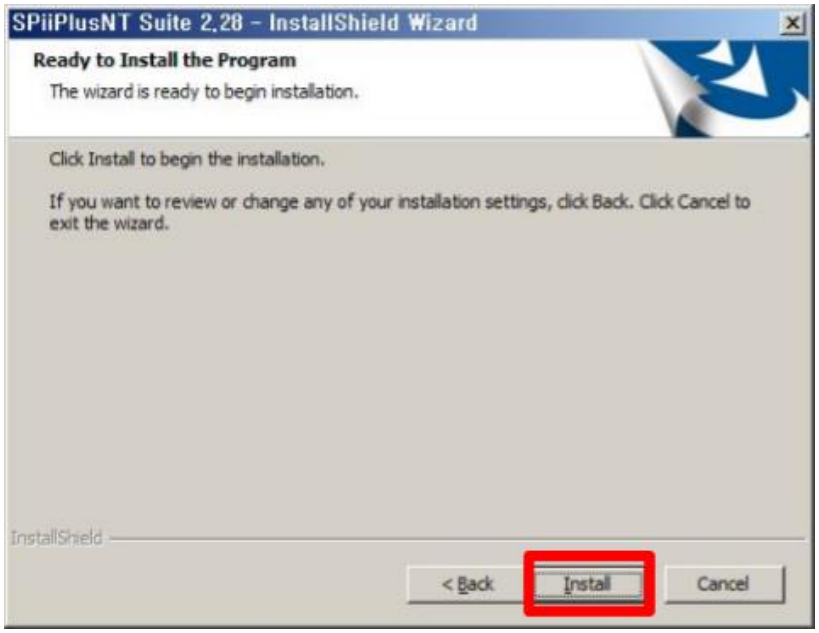
6. After select to program grade for install & Typical and then click to Next



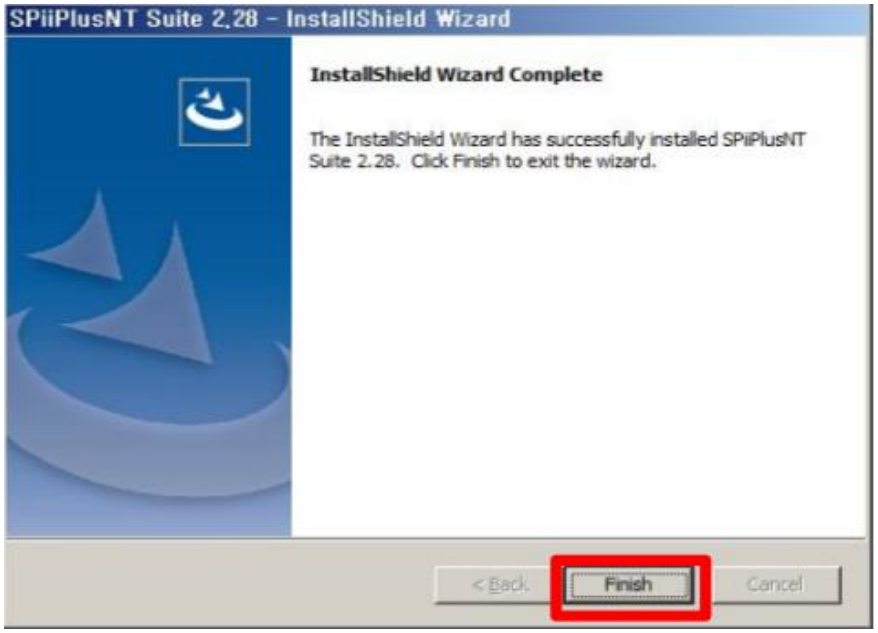
1. Program install [ACS operating program]

❑ MMI install

7. Click to Install



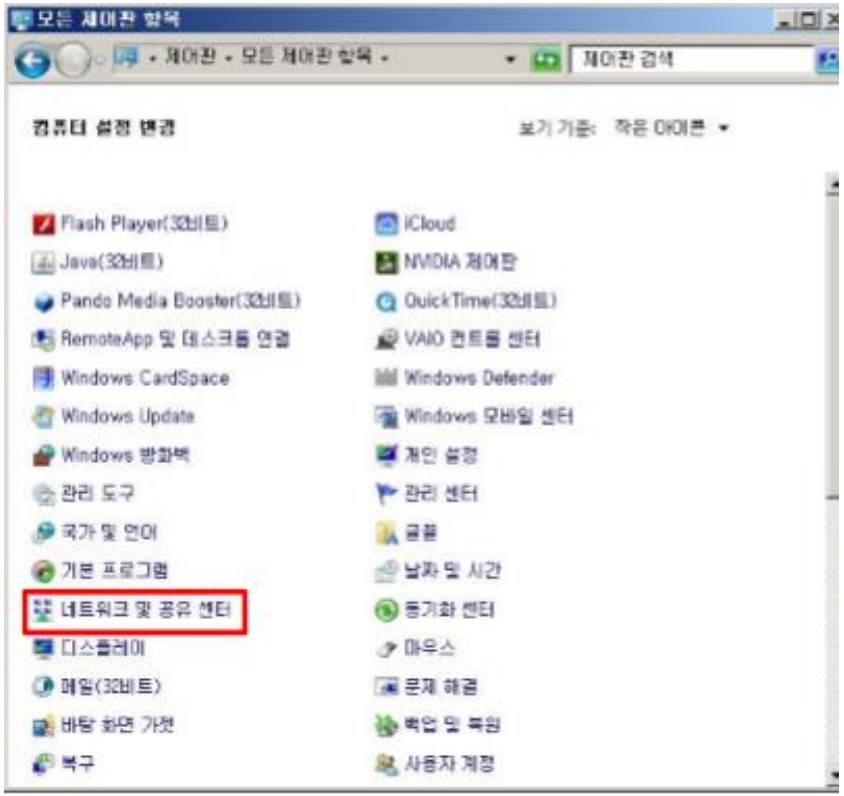
8. Click to Finish after done installation



2. PC communication setting

❑ Communication set up on PC

1. Click to Network & sharing center in control panel

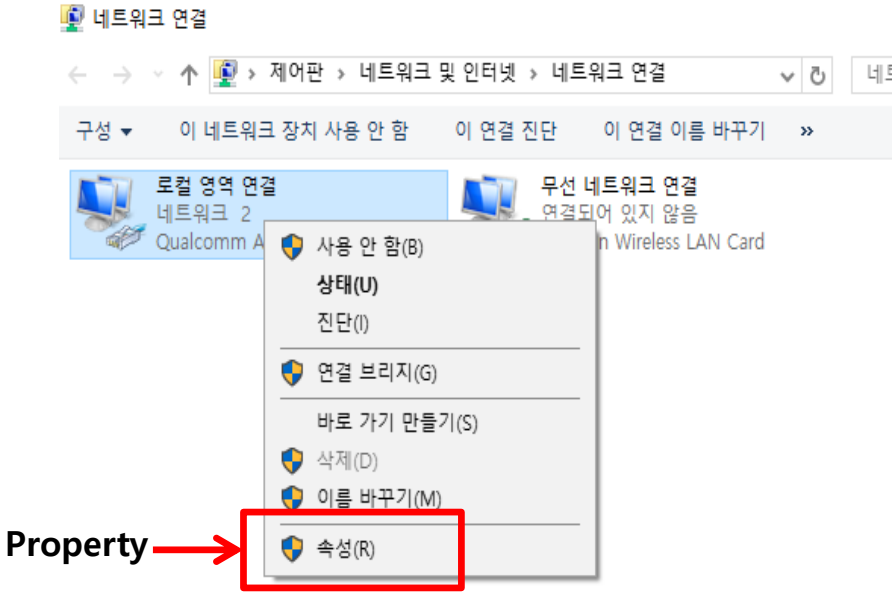


2. Select to adapter setting change

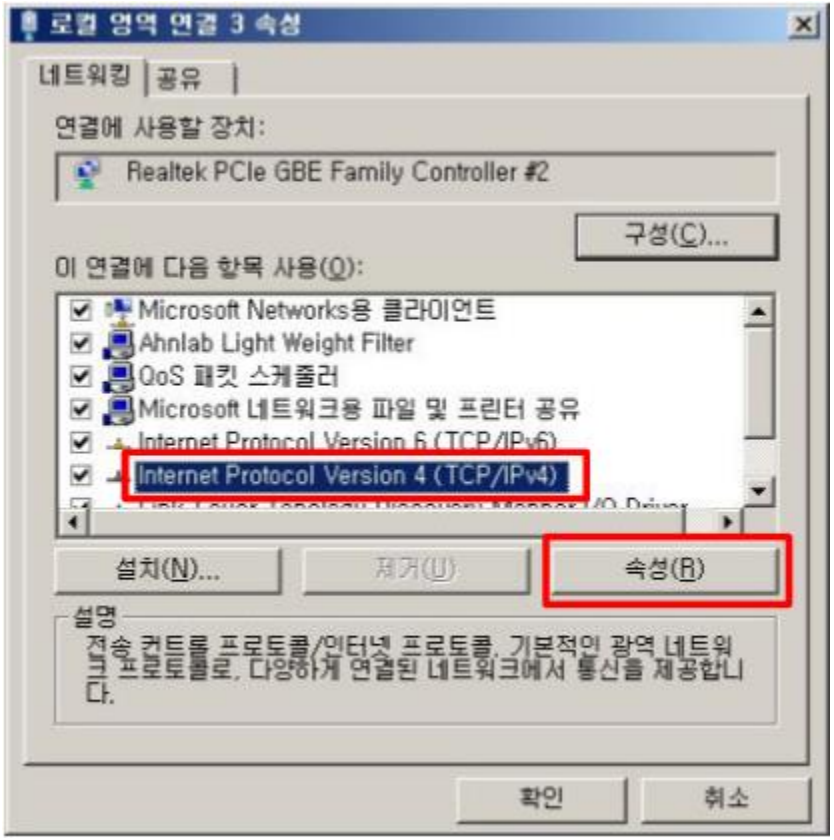
2. PC communication setting

❑ Communication set up on PC

3. Checking the not identified local area network connection , click to right mouse button to click the property.



4. Select to Internet Protocol Version 4(TCP/IPv4) , and click to property

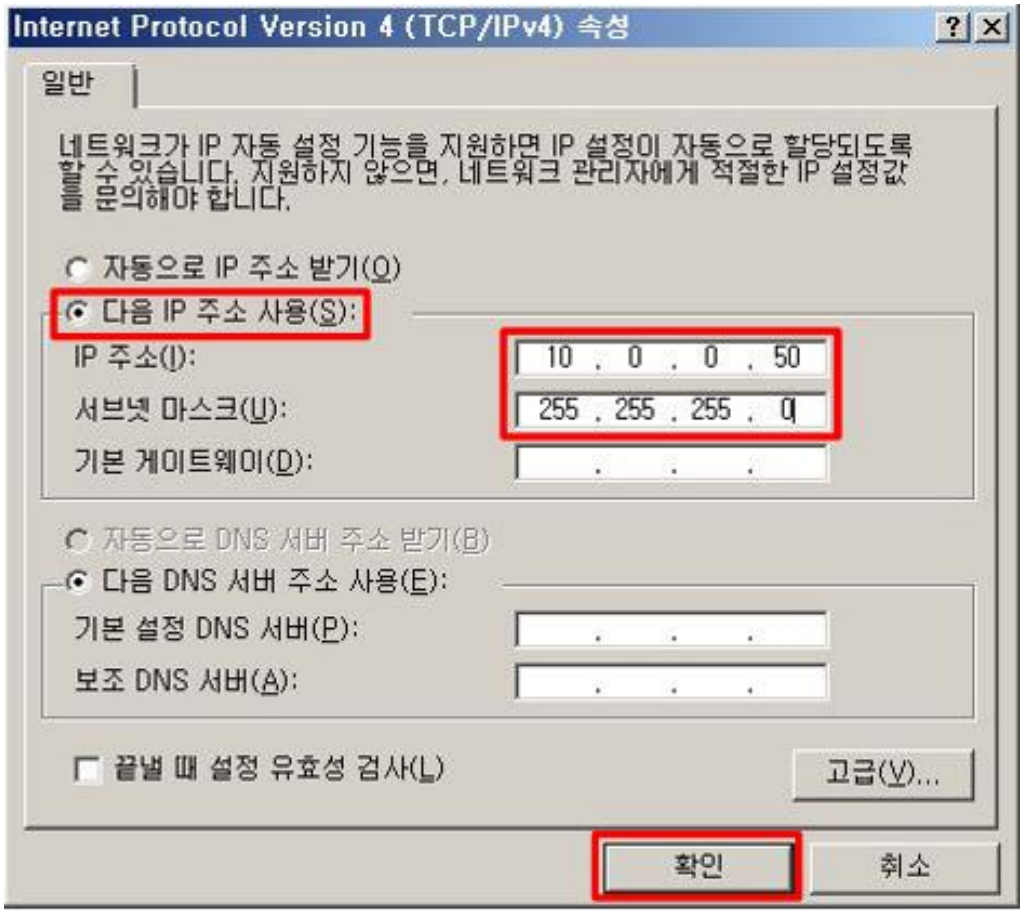


Ezi-SERVO®
Closed Loop Stepping System

2. PC communication setting

❑ Communication set up on PC

5. To check use of following IP address , and setting as below address .
   (Not to use IP address 10.0.0.100 , it already is using by Controller)



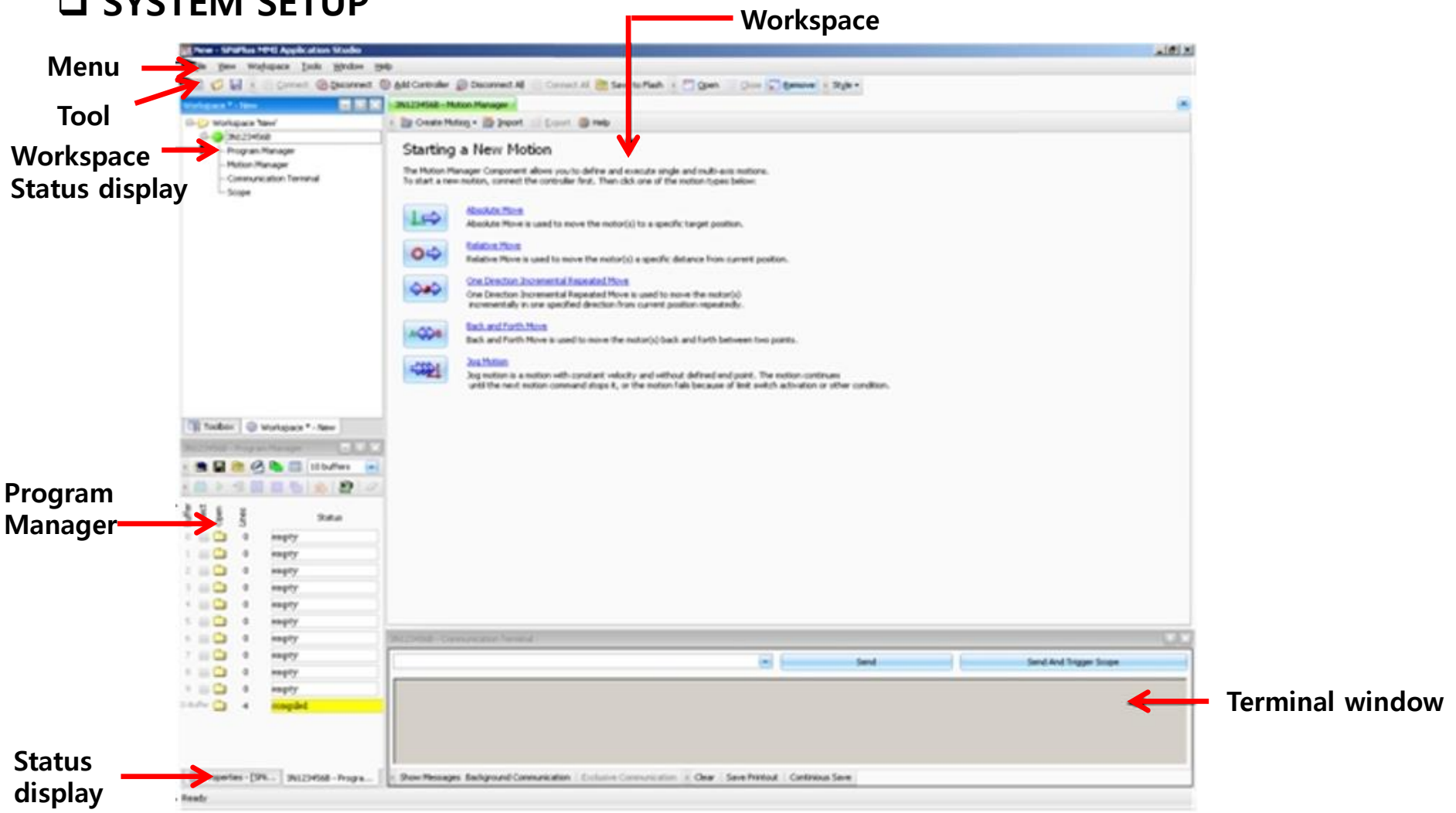
3. Program operating [MMI program execution]

❑ SYSTEM SETUP

Path : C:₩Program Files (x86)₩ACS Motion Control₩SPiiPlusNT Suite 2.28₩SPiiPlus MMI ApplicationStudio ₩ACS.Framework.exe

3. Program operating [MMI program execution]

❑ SYSTEM SETUP

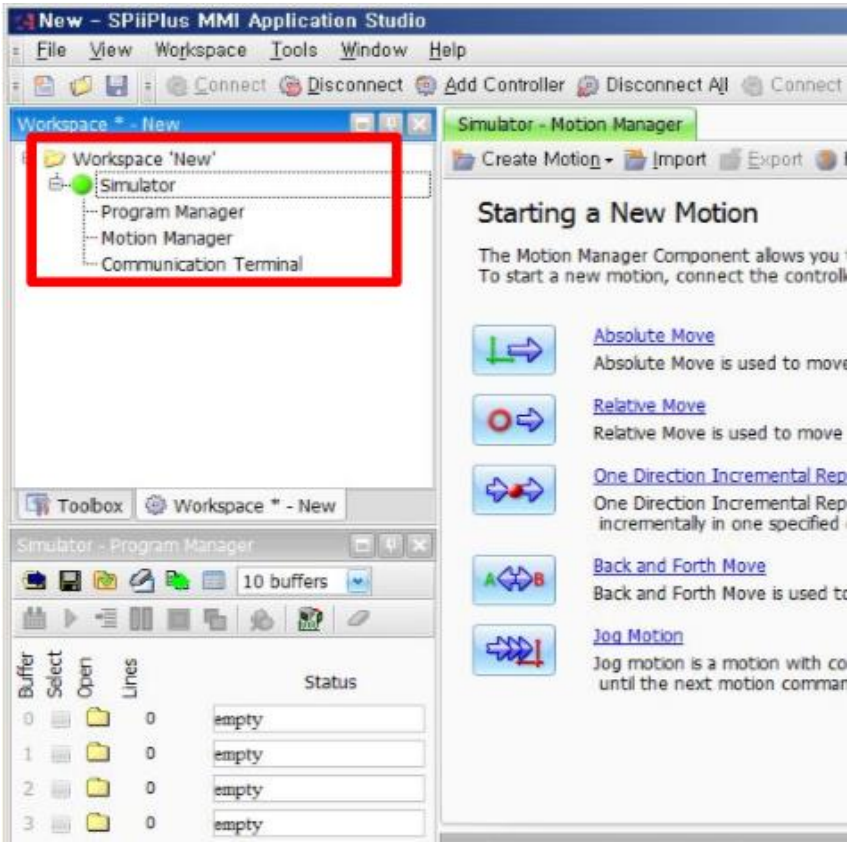


Ezi-SERVO®
Closed Loop Stepping System

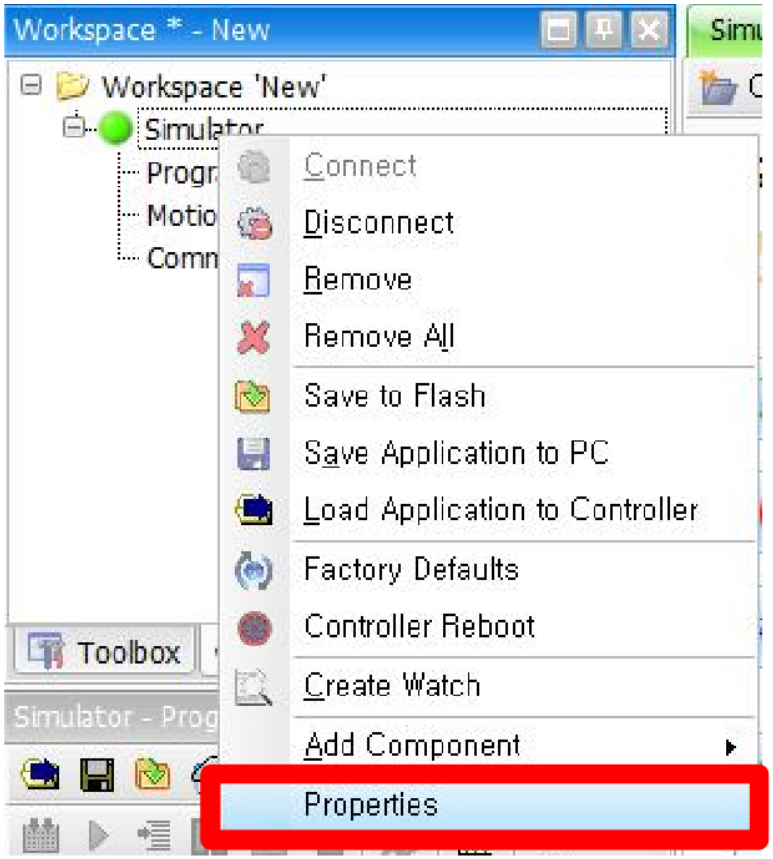
3. Program operating [MMI program execution]

❑ SYSTEM SETUP

1. When MMI executing , changes connection status



2. Click to right mouse button on the simulator , and click to Properties

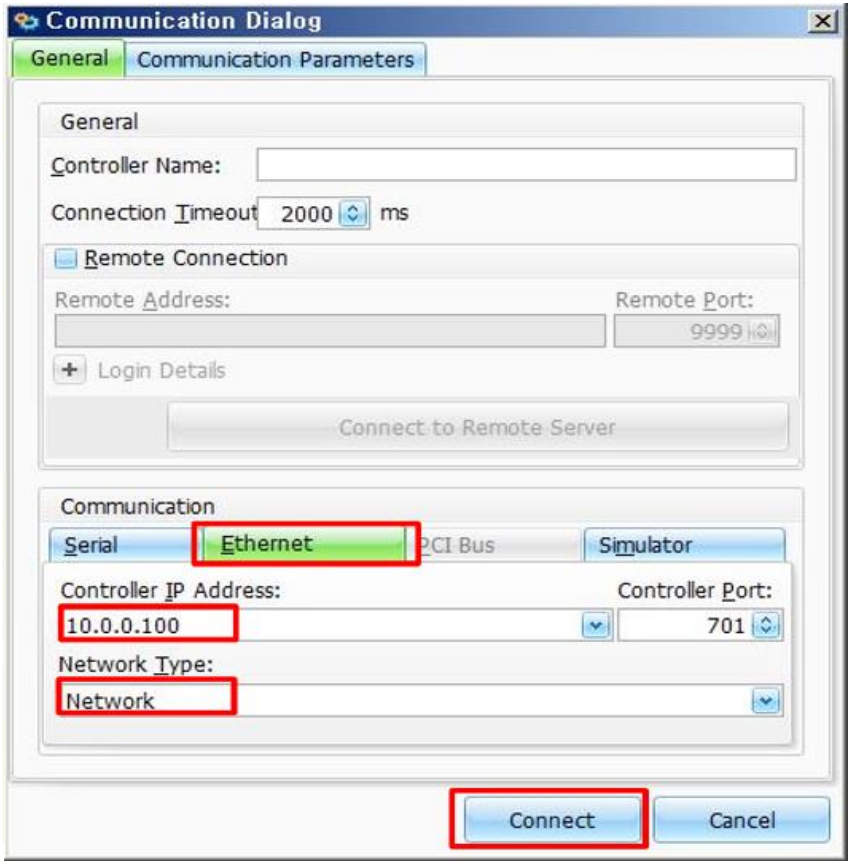


Ezi-SERVO®
Closed Loop Stepping System

3. Program operating [MMI program execution]

❑ SYSTEM SETUP

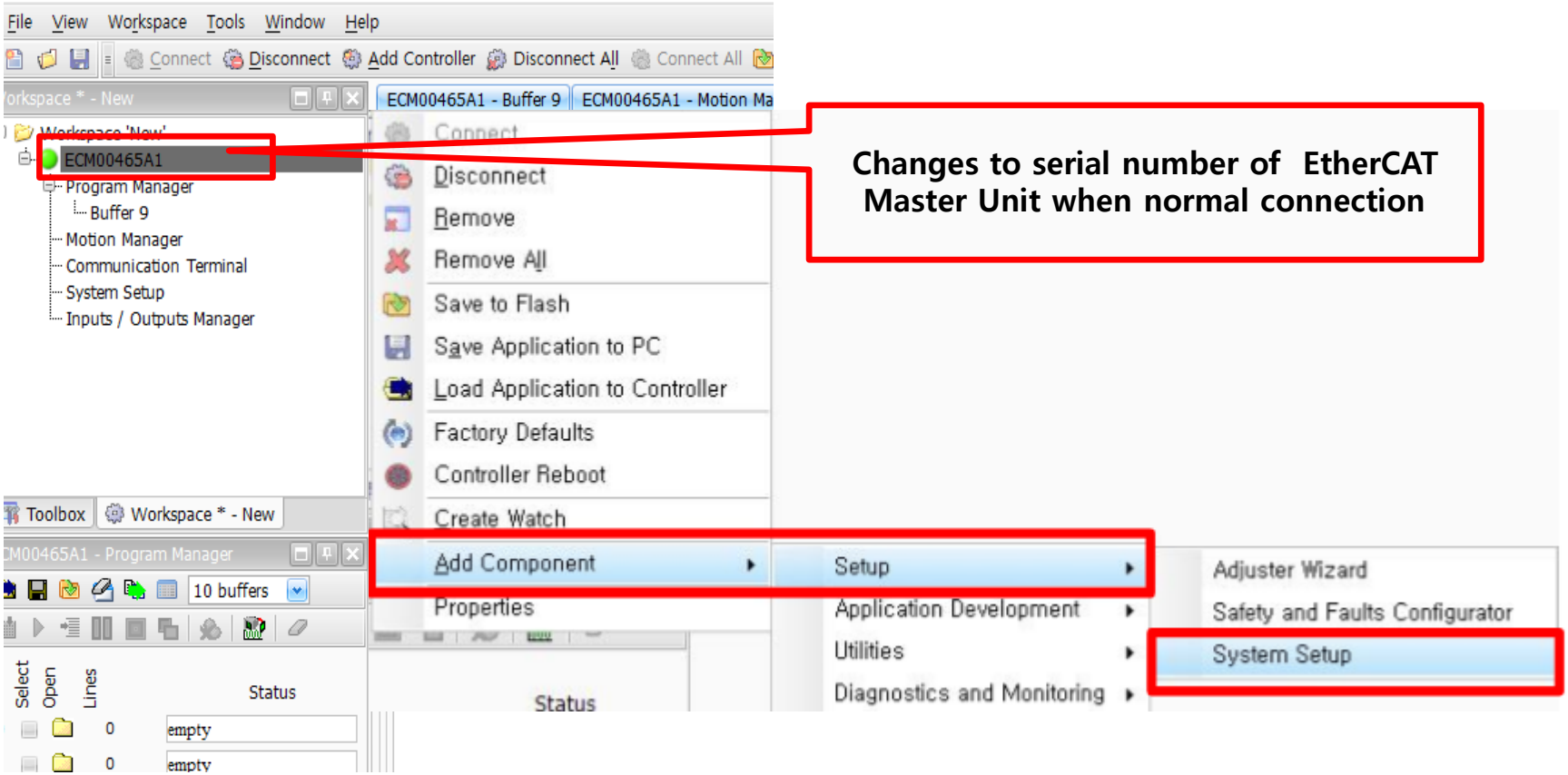
3. Ethernet -> 10.0.0.100 controller address check -> Network Type: Network setting -> Connect



3. Program operating [MMI program execution]

❑ SYSTEM SETUP

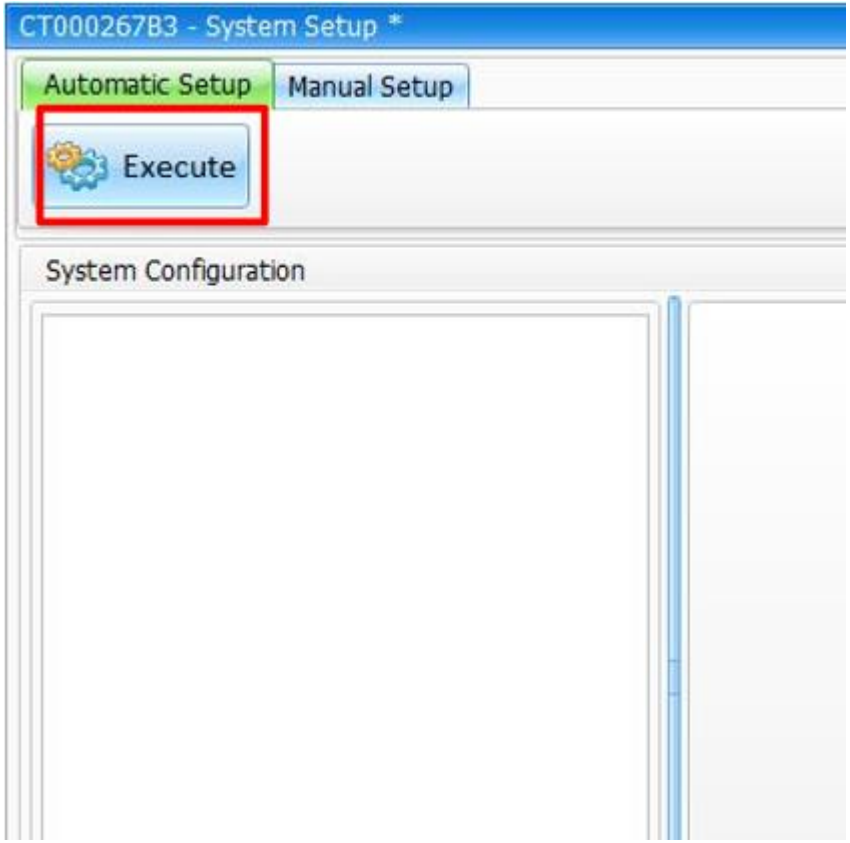
4. Click to right mouse button on serial number of master unit -> Add Component -> Setup -> System Setup



3. Program operating [MMI program execution]

❑ SYSTEM SETUP

5. Click to Execute in System Setup window

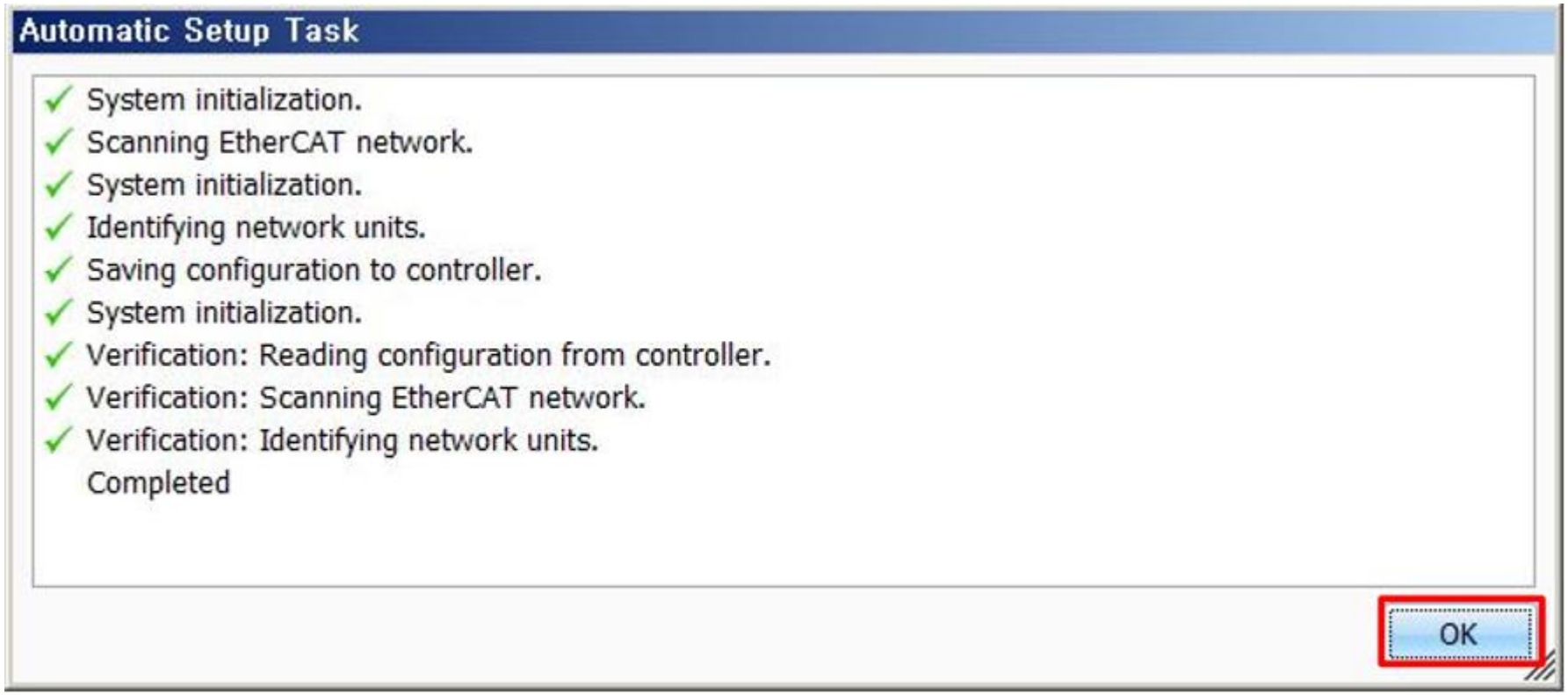


6. Click to Yes , rebooting the System & EtherCAT configuration and Set up progressing

3. Program operating [MMI program execution]

❑ SYSTEM SETUP

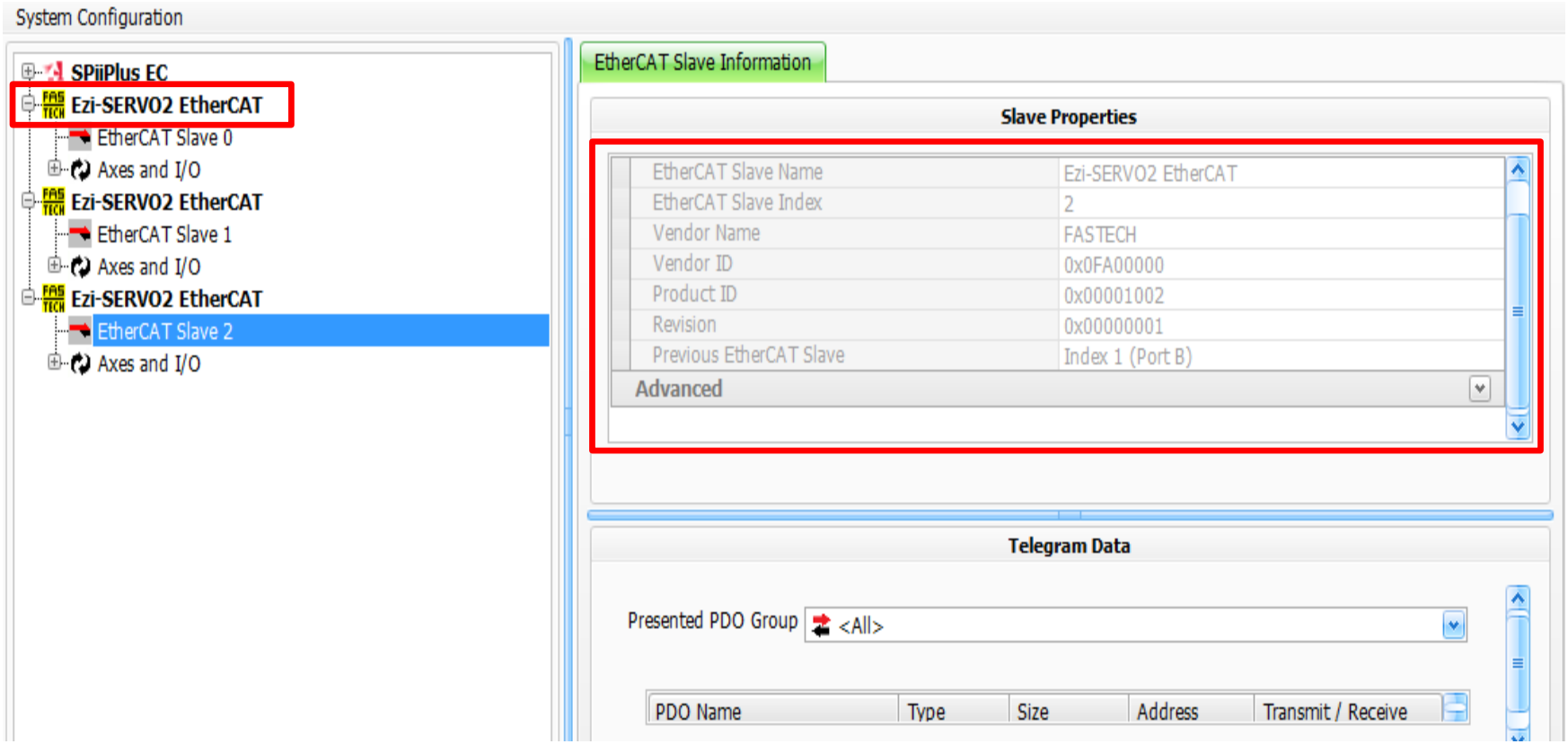
7. Process completed when all configuration is normally setting , then click to OK button



3. Program operating [MMI program execution]

❑ SYSTEM SETUP

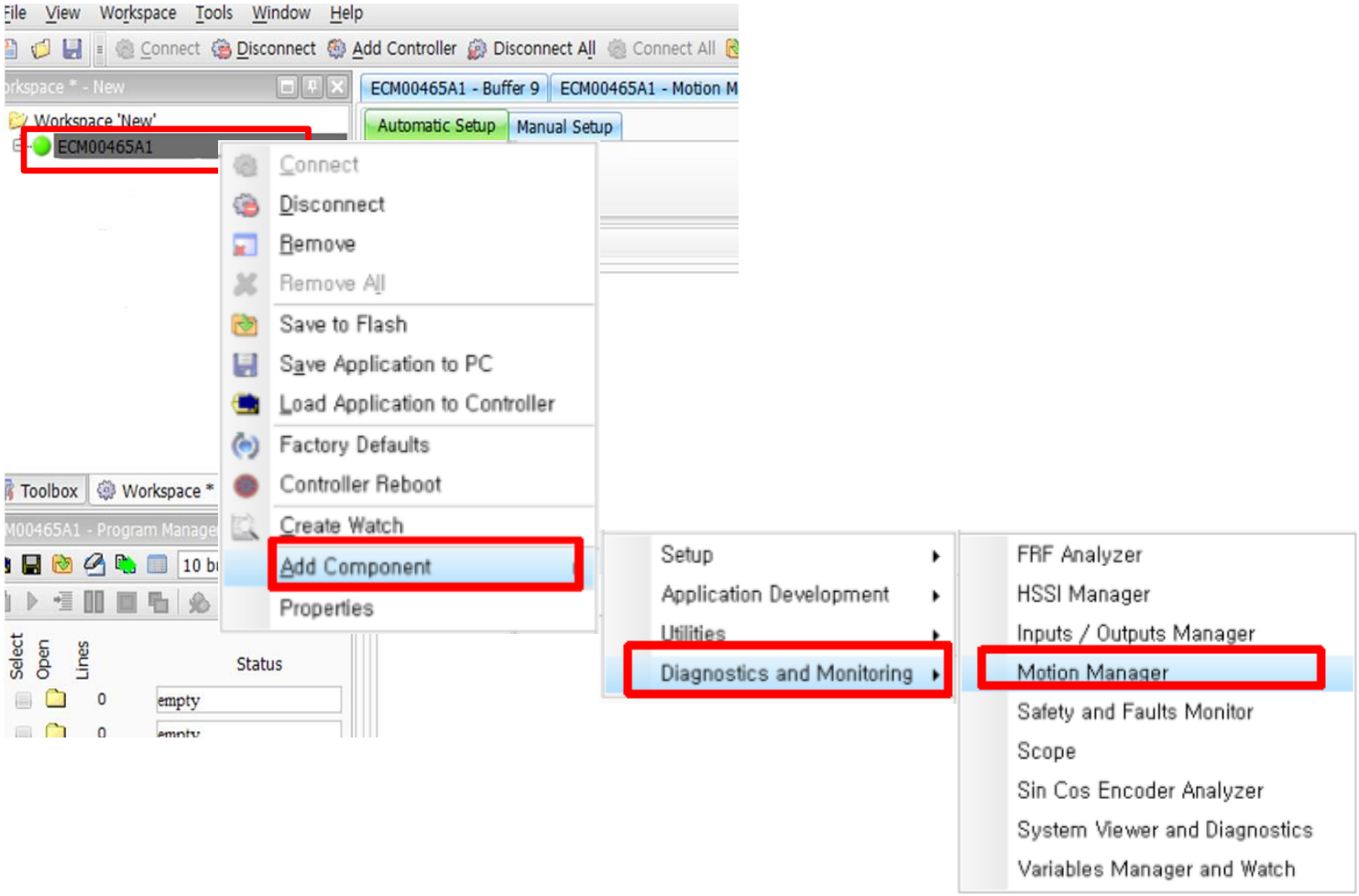
8. To Check to match with connected Slave configuration.



3. Program operating [MMI program execution]

❑ Motion Manager (Motion operating command by using of MMI)

1. Activating the Motion Manager window following the path as below pic.

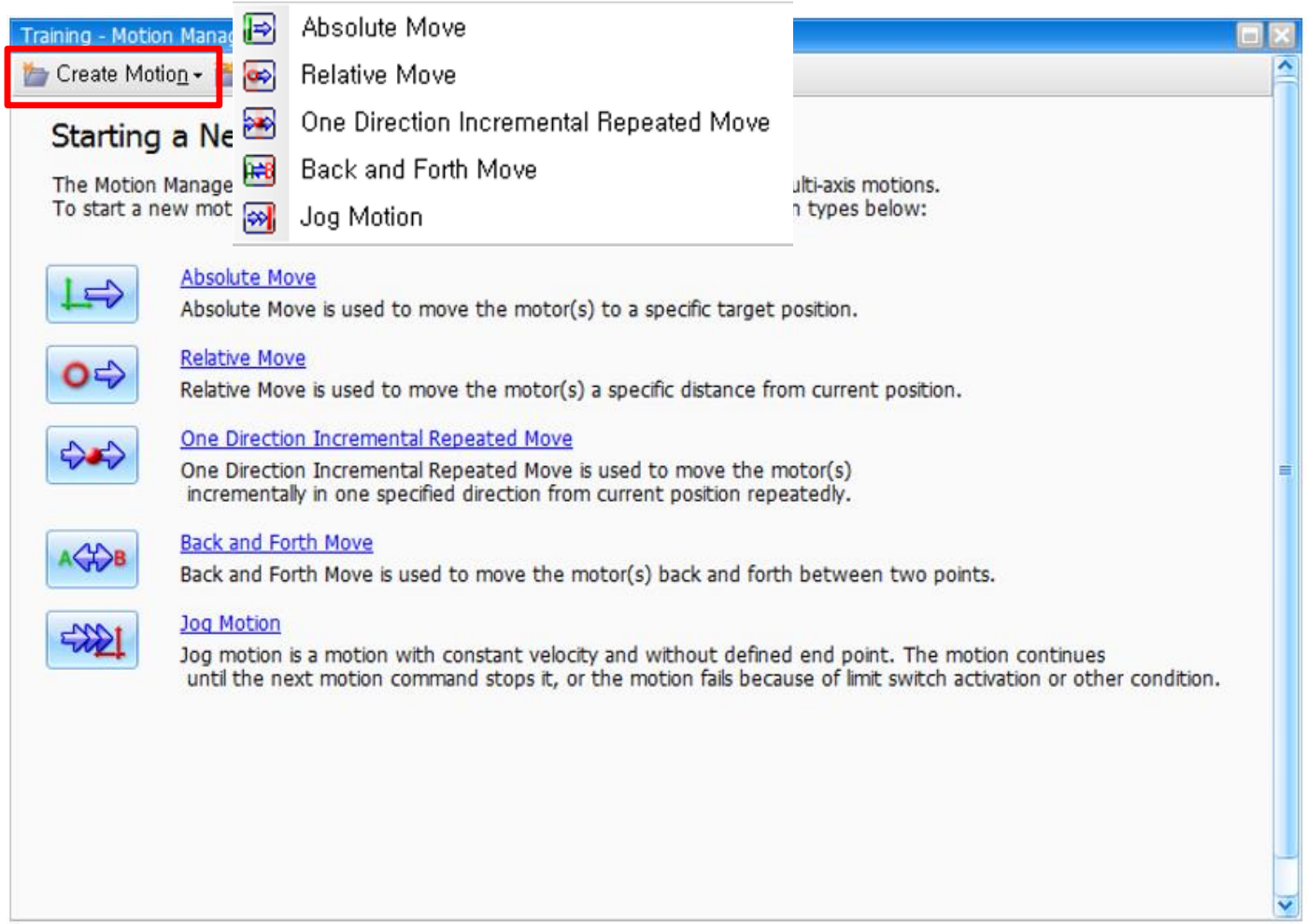


Ezi-SERVO®
Closed Loop Stepping System

3. Program operating [MMI program execution]

❑ Motion Manager (Motion operating command by using of MMI)

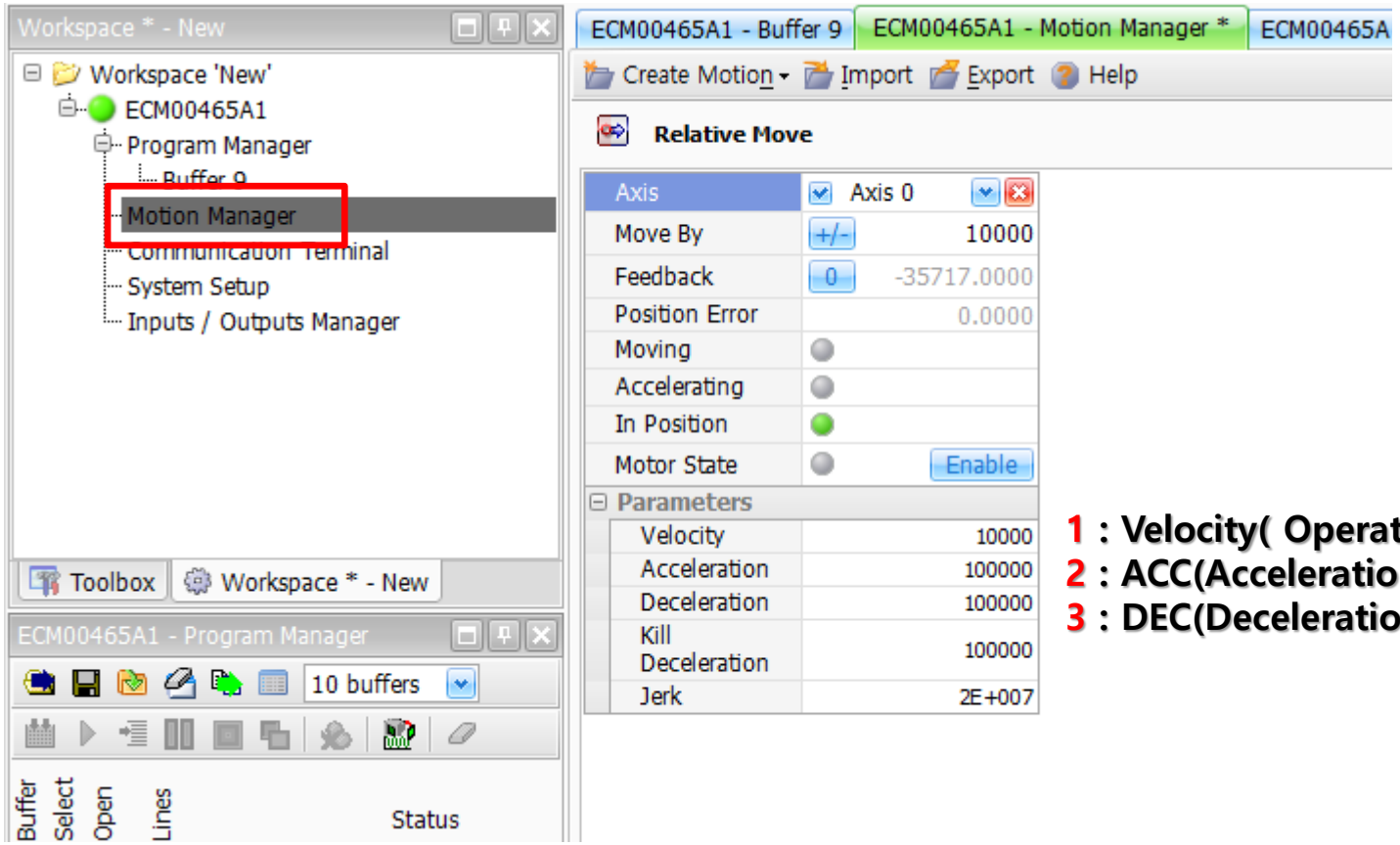
2. Select to Motion mode after click to Create Motion



3. Program operating [MMI program execution]

❑ Motion Manager (Motion operating command by using of MMI)

3. Motion Manager creation check in the workspace status window

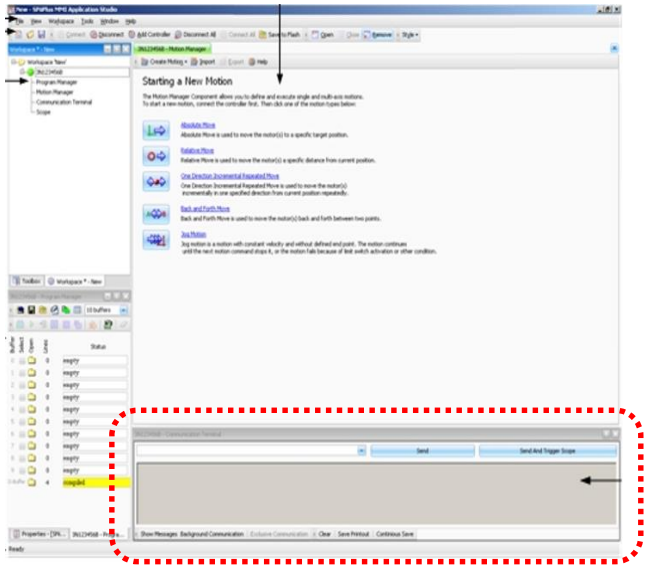


1 : Velocity(Operating speed)[p/s]
2 : ACC(Acceleration)[p/s^2]
3 : DEC(Deceleration)[p/s^2]

3. Program operating [MMI program execution]

❑ Motion Manager (Motion operating command by using of MMI)

4. Resolution & communication speed set up in window



- Terminal Window
Parameter & command value operating by using of ACS program language

ECM00465A1 - Buffer 9 | ECM00465A1 - Motion Manager * | ECM00465A1 - Communication Terminal

CTIME = 1

```
EFAC(0) = 1 / 10000
:
EFAC(1) = 1 / 10000
:
EFAC(2) = 1 / 10000
:
ctime = 1
?2002
:
CTIME = 1
:
```

In case of ACS , resolution setting by distance value .
When command position command value '1' '10,000 ppr' input corresponding value to Slave 0, 1, 2

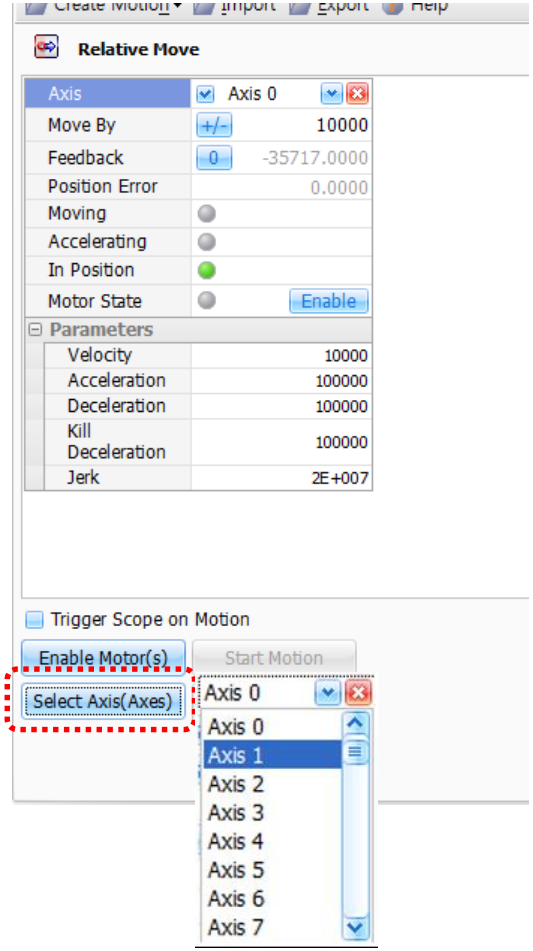
Communication speed (cycle time) setting value input .
Ezi-SERVO2-EtherCAT communication support : '1msec'

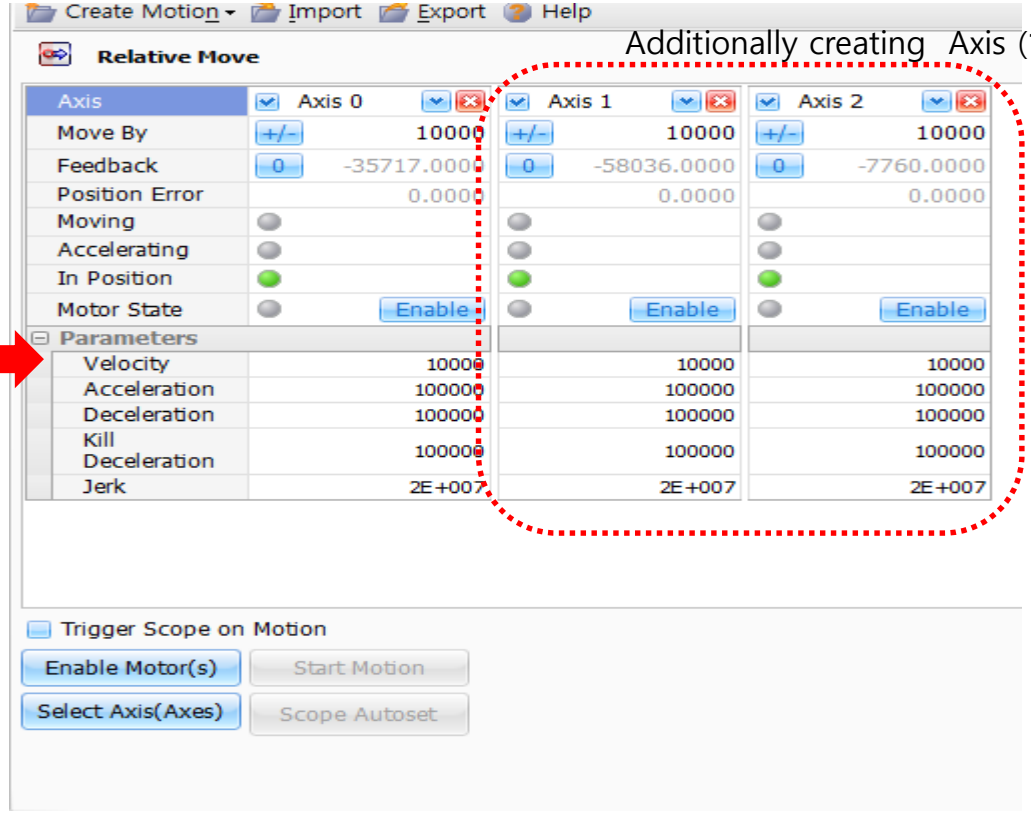
Ezi-SERVO®
Closed Loop Stepping System

3. Program operating [MMI program execution]

❑ Motion Manager (Motion operating command by using of MMI)

5. Click to Select Axis(Axes) and select activating 'Axis'



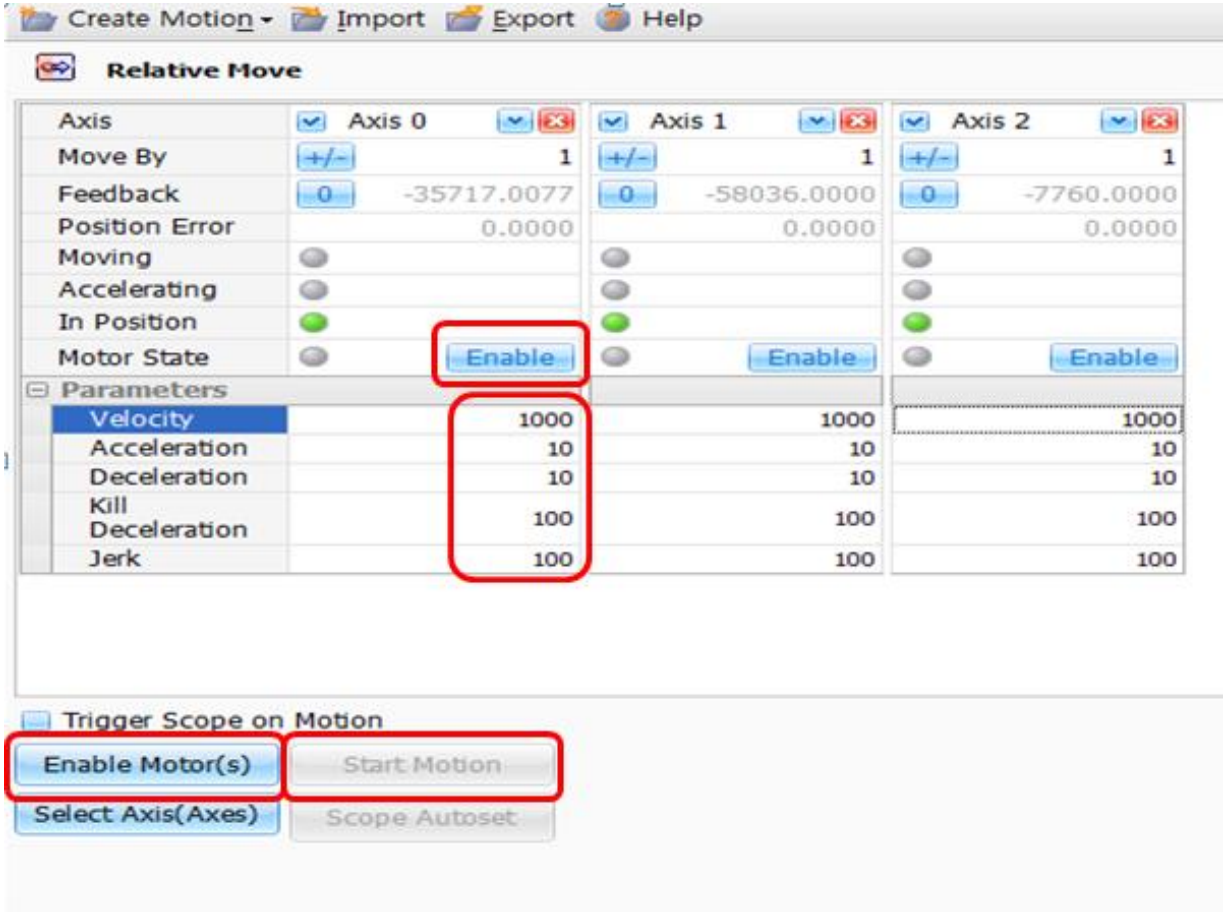


Ezi-SERVO®
Closed Loop Stepping System

3. Program operating [MMI program execution]

❑ Motion Manager (Motion operating command by using of MMI)

6. Enable -> Position information input -> Enable Motor(s) -> Start Motion



EZI-SERVO®
Closed Loop Stepping System

We are a pioneer changing the history of step motor !!

Ezi-SERVO®
Closed Loop Stepping System