

..... 1

..... 1

..... 2

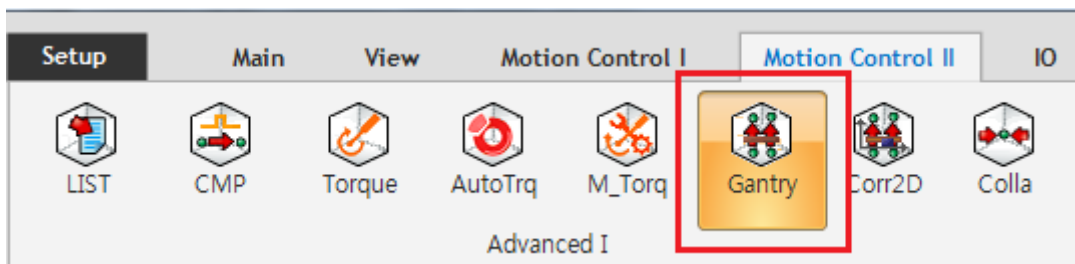
..... 4

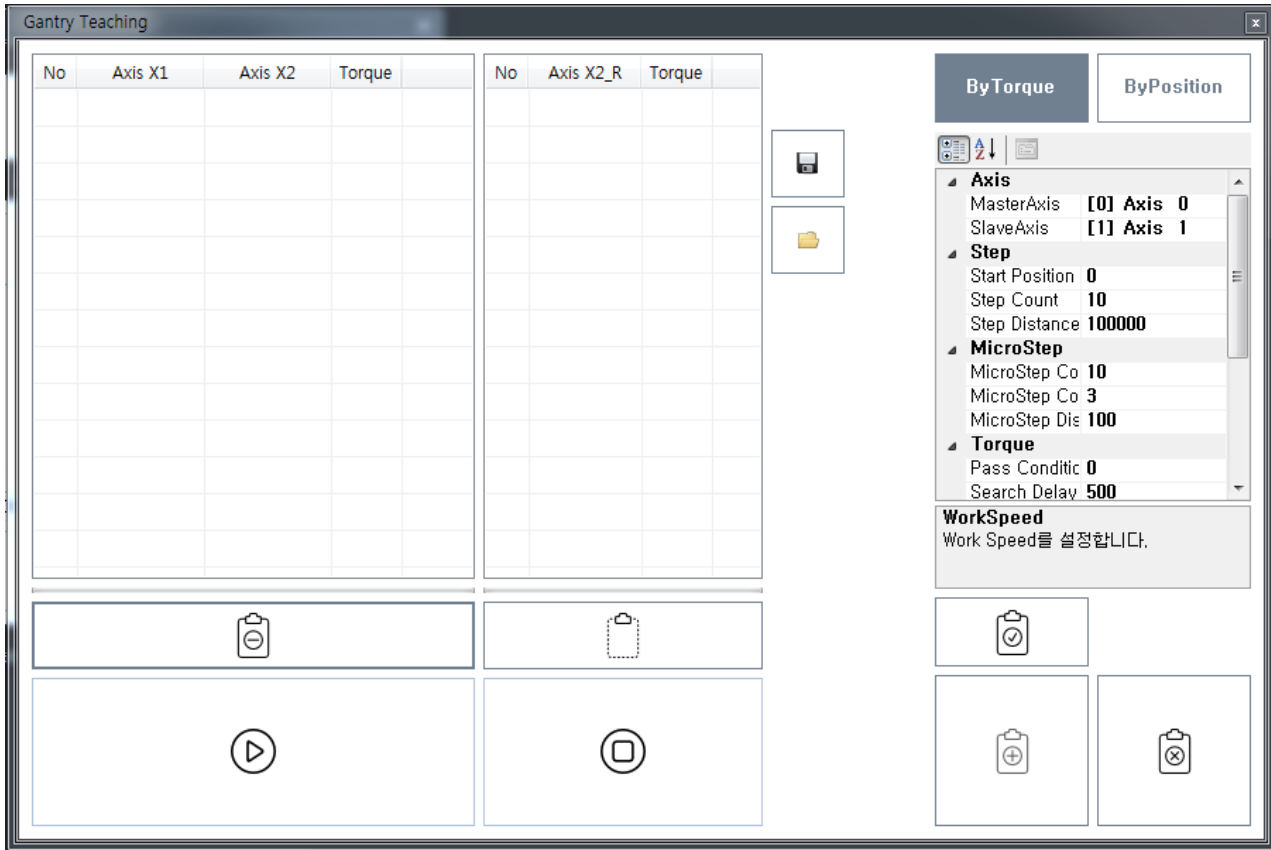
Gantry Teaching

x

- Master Slave , Step Distance MicroStep Distance
- Gantry Step Distance , MicroStep , 가 가
- 가 Master Slave 가
- Step Count table
- Table , Master-Slave Master , Slave 가
- Table
 - (1000, 990), (2000, 994) , 가 1500 , Slave 992

- ComilIDE Gantry Gantry Teaching





Axis

- Master Axis : Gantry Master
- SlaveAxis : Gantry Slave

Step

- Start Position : Teaching
 - Start Position 0
- Step Count, Step Distance :
 - Step Count , Step Distance ,
 - StepCount * StepDistance 가 ,
 - , Step Count = 10, Step Distance = 100 , 1,000

MicroStep

- MicroStep Count :
 - + / - MicroStep Count
 - MicroStep Count , Step

- MicroStep CountLimit : MicroStep Torque가 CountLimit 가
 - , CountLimit = 3 1,2,3 1.2, 2.1, 2.5 ,
 - , + - .
- MicroStep Distance : MicroStep
 - 가 .

Torque

- Pass Condition : Pass Condition Step 가 ,
- Search Delay : Micro Step Delay .
- Torque Limit : , .
- Torque Warning : , Warning

The screenshot shows the Gantry Teaching software interface. It features two data tables and a configuration panel on the right.

| No | Axis 0 | Axis 1 | Torque |
|----|--------|--------|--------|
| 0 | 0 | -300 | 1 |
| 1 | 20000 | 19800 | 0,8 |
| 2 | 40000 | 39800 | 0,2 |
| 3 | 60000 | 59800 | 0,6 |
| 4 | 80000 | 79900 | 1,6 |
| 5 | 100000 | 99900 | 1,1 |
| 6 | 120000 | 119900 | 1,1 |
| 7 | 140000 | 139900 | 1 |
| 8 | 160000 | 159900 | 0,8 |
| 9 | 180000 | 179900 | 0,3 |
| 10 | 200000 | 199900 | 2 |

| No | Axis 1 | Torque |
|----|--------|--------|
| 0 | 0 | 13,7 |
| 1 | 100 | 36,9 |
| 2 | 200 | 40,8 |
| 3 | 300 | 45 |
| 4 | -100 | 6 |
| 5 | -200 | 2,4 |
| 6 | -300 | 1 |
| 7 | -400 | 5 |
| 8 | -500 | 7,3 |
| 9 | -600 | 9,8 |

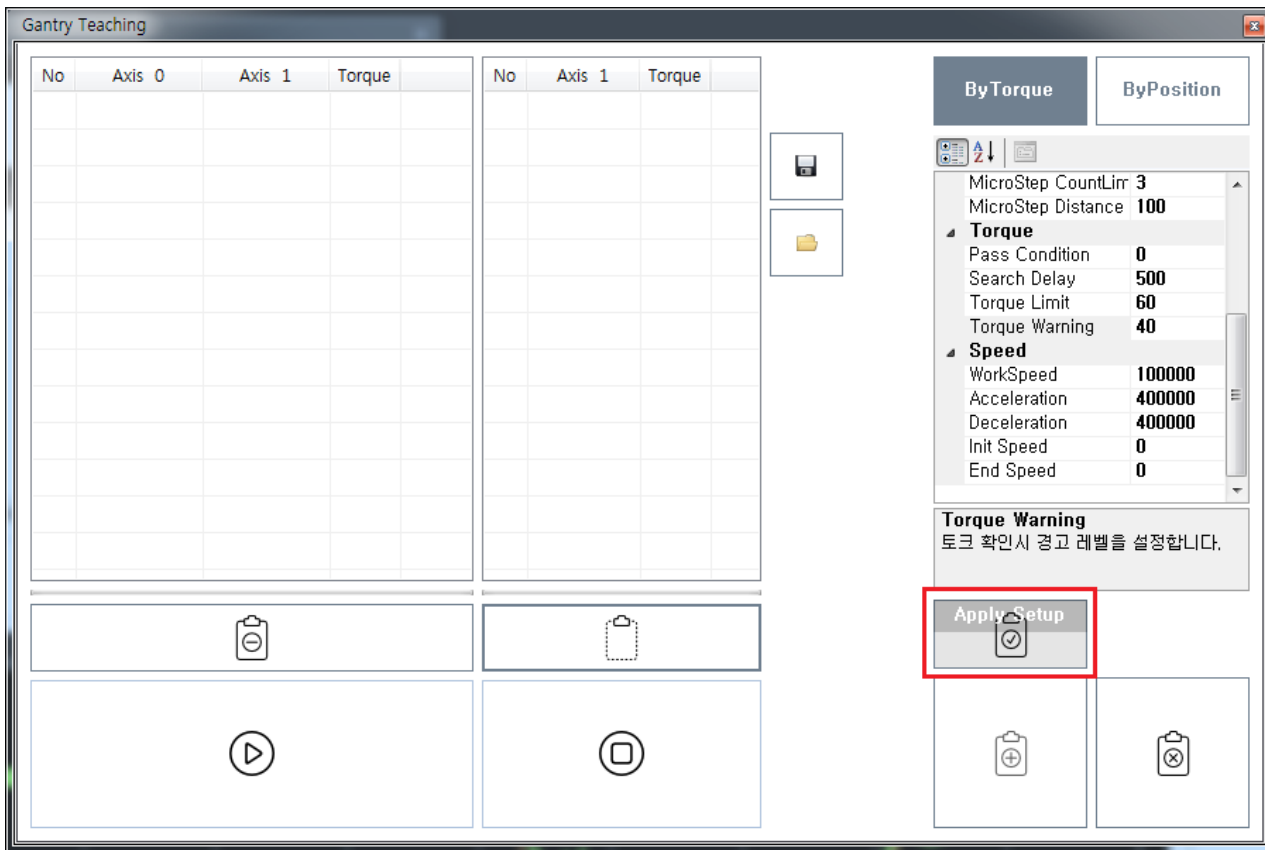
The configuration panel on the right is titled "ByTorque" and "ByPosition". It contains the following settings:

- Step**: Start Position 0, Step Count 10, Step Distance 20000
- MicroStep**: MicroStep Count 10, MicroStep CountLim 3, MicroStep Distance 100
- Torque**: Pass Condition 0, Search Delay 500, Torque Limit 60, Torque Warning 40
- Speed**: Torque Warning 토크 확인시 경고 레벨을 설정합니다.

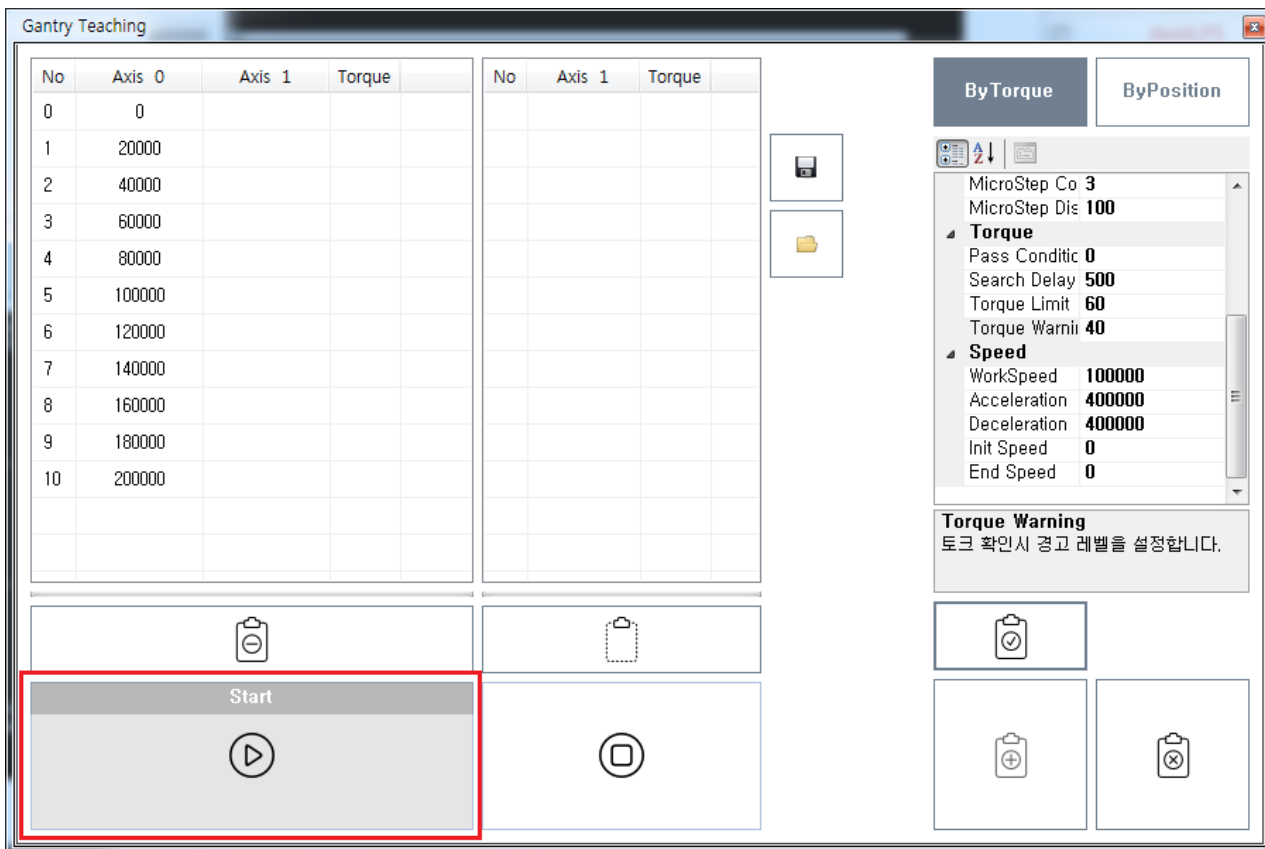
Speed

- Teaching .

- ApplySetup

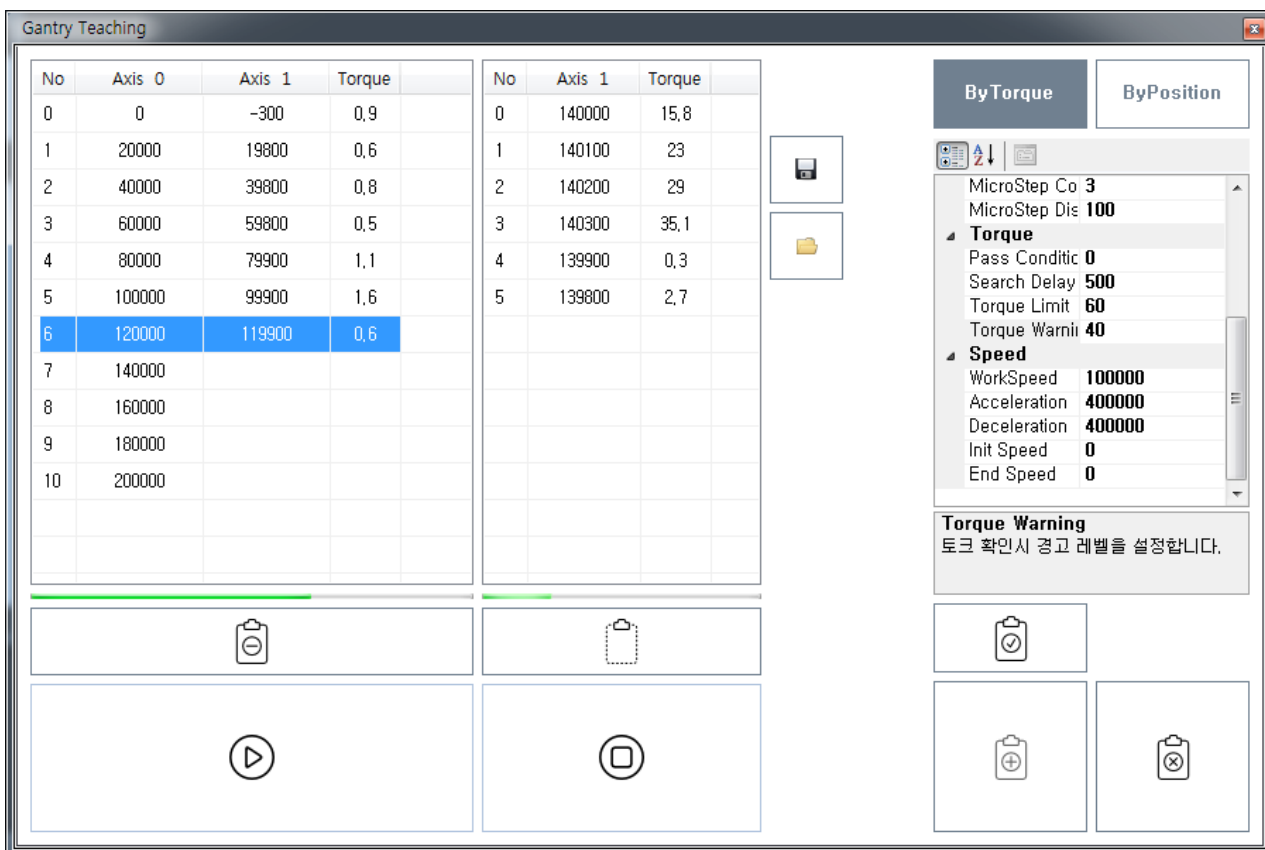


- Start Teaching



• Teaching

Teaching



- Teaching Register To Axis

The screenshot shows the 'Gantry Teaching' software interface. It contains two data tables, a parameter configuration panel, and a control area.

| No | Axis 0 | Axis 1 | Torque |
|----|--------|--------|--------|
| 0 | 0 | -300 | 0,9 |
| 1 | 20000 | 19800 | 0,6 |
| 2 | 40000 | 39800 | 0,8 |
| 3 | 60000 | 59800 | 0,5 |
| 4 | 80000 | 79900 | 1,1 |
| 5 | 100000 | 99900 | 1,6 |
| 6 | 120000 | 119900 | 0,6 |
| 7 | 140000 | 139900 | 0,3 |
| 8 | 160000 | 159900 | 0,1 |
| 9 | 180000 | 179900 | 0,8 |
| 10 | 200000 | 199900 | 2,1 |

| No | Axis 1 | Torque |
|----|--------|--------|
| 0 | 20000 | 21,1 |
| 1 | 20100 | 28,5 |
| 2 | 20200 | 34,5 |
| 3 | 20300 | 40 |
| 4 | 19900 | 4,1 |
| 5 | 19800 | 0,6 |
| 6 | 19700 | 2,3 |
| 7 | 19600 | 6 |
| 8 | 19500 | 8,7 |

Parameter Configuration Panel (ByTorque / ByPosition):

- MicroStep Co: 3
- MicroStep Dis: 100
- Torque**
 - Pass Conditic: 0
 - Search Delay: 500
 - Torque Limit: 60
 - Torque Warni: 40
- Speed**
 - WorkSpeed: 100000
 - Acceleration: 400000
 - Deceleration: 400000
 - Init Speed: 0
 - End Speed: 0

Torque Warning: 토크 확인시 경고 레벨을 설정합니다.

Control Area: A red box highlights the 'Register To Axis' button, which is represented by a plus sign icon.

- , Master-Slave

The screenshot shows the 'Motor Monitor' software interface with three status boxes:

- Axis 0 ON
- Axis 1 SLAVE_MODE
- Axis 2 OFF

- Step Step MicroStep

The screenshot shows the Gantry Teaching software interface. It features two data tables side-by-side. The left table has columns for 'No', 'Axis 0', 'Axis 1', and 'Torque'. The right table has columns for 'No', 'Axis 1', and 'Torque'. Below the tables are several control buttons, including a play button and a square button. On the right side, there is a configuration panel with tabs for 'ByTorque' and 'ByPosition'. The 'ByTorque' tab is active, showing parameters for MicroStep Co (3), MicroStep Dis (100), Torque (Pass Conditic 0, Search Delay 500, Torque Limit 60, Torque Warnii 40), and Speed (WorkSpeed 100000, Acceleration 400000, Deceleration 400000, Init Speed 0, End Speed 0). A 'Torque Warning' section at the bottom right contains the text '토크 확인시 경고 레벨을 설정합니다.' (Set warning level when checking torque).

- Save txt UserApplication API

The screenshot shows a Windows file explorer window titled 'Save The Gantry Teaching info to File'. The address bar shows the path: <code><< Projects (F:) >> ComiIDE > ComiIDE > ComiIDE > bin > Debug > WorkData > EtherCAT</code>. The file list shows a single file named 'GantryTeaching.txt' with a modification date of '2018-06-11 오후 3:05', type '텍스트 문서', and size '1KB'. The '파일 이름(N):' field contains 'GantryTeaching.txt'. The '파일 형식(I):' dropdown menu is open, showing options: 'Txt Data (*.txt)', 'Yml File (*.yml)', 'Txt Data (*.txt)', and 'Csv Data (*.csv)'. The 'Txt Data (*.txt)' option is highlighted with a red box.

From:

<https://www.comizoa.com/info/> - -

Permanent link:

https://www.comizoa.com/info/doku.php?id=application:comiide:tool:gantry:20_gantry_teaching&rev=1544502632

Last update: **2024/07/08 18:23**