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What's G-Code

× G-Code 에 대한 소개 페이지입니다.

G-Code란

- 대부분의 수치 제어에서 사용되는 프로그래밍 언어로서, 공작기계등을 운용하기 위해 사용됩니다.
- 설비의 각 축이 어디로, 어떤 속도로 이송할지에 대한 명령의 목록으로 구성됩니다.

G-Code 예시

The screenshot displays a G-Code emulator interface. On the left, a list of G-Code commands is shown, with line 16 highlighted:

```
1 O1234
2
3 M98 P500
4 G50 P2000
5 M98 P500
6 G50 P3000
7 M98 P500
8 M02
9
10 O500
11 G90 F10
12 G01 X0Y0
13 G01 X100R20
14 G01 Y50R20
15 G01 X0R20
16 G01 Y0
```

The main window shows a 3D plot of a path (red lines) on a grid. The path starts at the origin (0,0,0) and moves along the X-axis to X=100, then curves in the XY-plane to Y=50, then curves in the XZ-plane to X=0, and finally moves along the Z-axis to Z=0. The plot is labeled with 'Ch 1' and 'Ch 2' axes. Below the plot, there are instructions for mouse control:

```
rotate: L-Mouse Left/Right/Up/Down dr
move: <shift> + L-Mouse Left/Right/Up
scale: <ctrl> + L-Mouse Left/Right dr
```

On the right side, there are control panels for X Axis (0), Y Axis (1), Z Axis (2), Source (CMD, CN), Trace, View, and Rest Pos. Below these are Range_Scale settings: Min 2000, Range Max 100000, and Max Elem 20000.

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