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## G50 / G51 ( )

### Summary

- G50 :
  - Modal G50, G51 .
- G51 : .

### Format

#### G50 X\_Y\_Z\_P

- X, Y, Z :
- P :
  - 1/1000 (1000 , )

#### G51

### Example

- 0.5 / 1.5 Scaling

main.g

```
1 0123456
2
3 M98 P1000
4 G50 P500
5 M98 P1000
6 G50 P1500
7 M98 P1000
8 M02
9
10 01000
11 G90 F5
12 G01 X20Y0
13 G01 X100 R20
14 G01 Y60 R20
15 G01 X0 R20
16 G01 Y0 R20
17 G01 X20Y0
18
```

Emulator

- 2 Scaling,

main.g

```
1 0123456
2
3 M98 P1000
4 G50 P2000 X50Y30
5 M98 P1000
6
7 M02
8
9 01000
10 G90 F5
11 G01 X20Y0
12 G01 X100 R20
13 G01 Y60 R20
14 G01 X0 R20
15 G01 Y0 R20
16 G01 X20Y0
17
```

Emulator

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