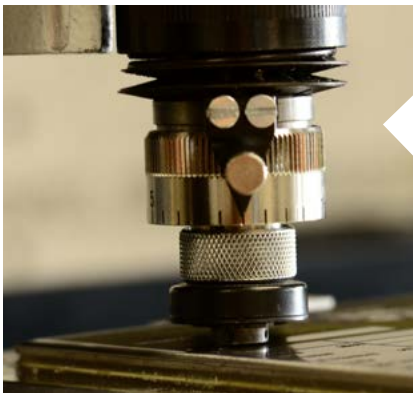






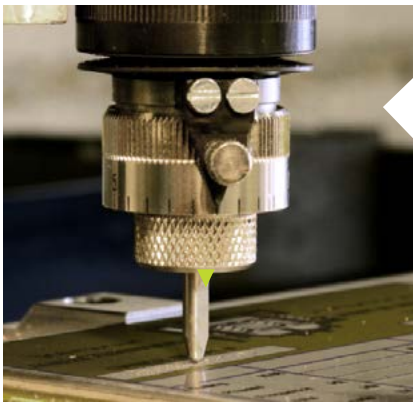
Before starting adjustment of your tools

1. Set the depth micrometer to position 0
2. Fit a cutter knob into the spindle. The screw thread is reversed.






Step-by-step engraving cutter adjustment for engraving plastics

1. Move the spindle into position above the plate to be engraved, using the X and Y arrows on the remote control 
2. Press the remote control button  (Z = 0.00 is displayed on the LCD screen)
Then lower the spindle by pressing and holding the button  until the adjustment tip touches the material to be engraved
3. Insert the engraving cutter into the button cutter knob. Lower it gently until the truncation touches the material to be engraved. Set the adjustment by tightening the cutter knob screw
4. Press the remote control button  to save the adjustment; the spindle then rises into position
5. Rotate the micrometer upwards to display the engraving depth (1 division = 0.025 mm - depth example: Gravoply 1 = 12 division)



Step-by-step diamond adjustment for engraving metals

Note: the regulator nose is not used for diamond engraving.

1. Remove the tool fitted to the spindle
2. Press the remote control button  and lower the bottom of the spindle  to within 8 mm to 12 mm of the metal plate to be engraved
3. Insert the diamond into the button cutter knob (previously fitted to the spindle) and lower it gently until it touches the metal material. Set the adjustment by tightening the cutter knob screw
4. Press the remote control button to save the adjustment 
5. The depth should be entered on the Gravostyle engraving screen.

1

Height of characters to be engraved

0.4 mm
1/64"

0.8 mm
1/32"

1.5 mm
1/16"

3.0 mm
1/8"

6 mm
1/4"

8.0 mm
5/16"

12.0 mm
1/2"

19.0 mm
3/4"

25.0 mm
1"

32.0 mm
1 1/4"

50 mm
2"

The cutter tip width is directly related to the height of the engraved characters.
To use this guide most effectively, define the cutter tip width according to:

1 - the height of the engraved characters

2 - the type of characters used (single or multi-line)

2

Tool width

Single-line characters

0.127 mm
.005"

0.25 mm
.010"

0.38 mm
.015"

0.50 mm
.020"

0.76 mm
.030"

1.0 mm
.040"

1.52 mm
.060"

2.28 mm
.090"

3.17 mm
.125"

4.34 mm
.171"

6.35 mm
.250"

Multi-line characters

0.127 mm
.005"

0.127 mm
.005"

0.25 mm
.010"

0.25 mm
.010"

0.38 mm
.015"

0.38 mm
.015"

0.76 mm
.030"

1.02 mm
.040"

1.52 mm
.060"

1.52 mm
.060"

2.30 mm
.090"

Example: Characters 12 mm (.47") high with a set of multi-character traits => width of tool = 0.75 mm (.030")