



How to operate Emax EVOlution



Ultra-precision brushless micro-grinder



1 Names of parts

Forward/reverse select switch

The direction of motor rotation can be selected.



Forward rotation (clockwise)



Reverse rotation (counterclockwise)



Power supply switch

Motor rotation speed display

=40,000 rotations/min

Speed control volume

The rotation speed can be easily adjusted.

LOAD meter

Displays the load status of the motor.

Motor connector B

Motor connector A

Motor switch **A**/**6**

When **6**/**6** is turned ON/OFF, the motor connected to motor connector A/B will rotate/stop. * **6** and **6** cannot be operated simultaneously.

2 How to change tools

- 1. Loosen the ring and remove the tool.
- 2. Replace the tool and tighten the ring until a click sound is produced.



3 How to start the control unit

1. Turn speed control volume completely to the left.

2. Switch ON the power supply.



* Please make sure that the speed control display is set to





How to start/stop the motor and adjust the rotation speed

* When motor connector A is connected to the motor.

—To start-

1. Press or the motor smart switch. The motor starts to rotate.



—To stop-

2. When the motor is rotating, press or the motor smart switch. The motor stops rotating.

—To adjust the rotation speed-

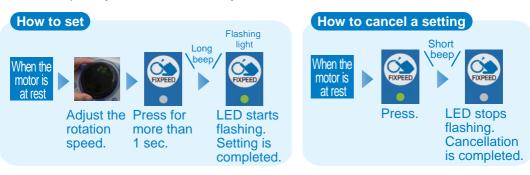
1. Turn the speed control volume to adjust the rotation speed.





—FIXPEED function—

FIXPEED allows everyone to set the speed of the motor in advance. The speed that is frequently used can be easily set at the touch of a button.



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Simple setup/operation guide

* See attached instruction manual and reverse side for details and safety precautions.

Excellent operability that makes the best use of advanced high performance

- 1) 1. Loosen the ring and remove the tool.
 - 2. Replace the tool and tighten the ring until a click sound is produced.





(2) Insert the motor cord plug and the power supply cord.





- (3) 1. Turn speed control volume completely to the left.
 - 2. Switch ON the power supply.



Please make sure that the speed control display is set to

(4). Press the motor ON/OFF switch or the smart switch. The motor starts to rotate.



(5). Adjust the rotation speed using the speed control volume.



* The motor stops when the motor ON/OFF switch or the smart switch is pressed again.

Names of parts



=40,000 rotations/min Speed control volume The rotation speed can be easily adjusted.

LOAD meter Displays the load status of the motor.

Motor connector A

Power supply switch

Motor connector B

Motor rotation speed display

Motor switch <a>/<a>

When **3**/**3** is turned ON/OFF, the motor connected to motor connector * and cannot be operated simultaneously. A/B will rotate/stop.



Control unit -

 Model **NE249** Weight 2.3 kg

AC120V, 50/60Hz, 41VA / Power source AC230V, 50/60Hz, 41VA Dimensions $W130 \times D254 \times H97 (mm)$

-Handpiece

 Model Motor Attachment Max power

 Max torque Weight

Speed range

ENK-410S IR-310 73 W

4.3 cN·m

182 g (w/o Cord) 1,000 - 40,000 min⁻¹