

# EG-400

## Microgrinder

### Mounted microscope to confirm needle contact with grinding plane.

The microscope is mounted on this grinder, which uses a special motor to minimize irregular movements of the grinding plane: confirmation of contact between the needle and the grinding plane enables grinding to be performed with greater precision. In addition, this model provides stable performance at all revolution speeds — from low for more precision to high for faster grinding. An easily operable coarse and fine movement coaxial manipulator is equipped for vertical operation of the microneedle, which also enables very precise grinding. A protractor is mounted on the needle holder fixing section, making it easy to set the required grinding angle, and an adaptor is attached for vertical grinding. New water filling and drainage mechanisms are installed to prevent clogging or the accumulation of shavings, making the apparatus as a whole much easier to use.

Accessories included	Adaptor for Vertical Grinding, Diamond Wheel Cleaner, Dedicated Pipette Holder, Allen Wrench, Spare Lamp, Power Supply Cable
Movement range	Pipette manipulator: Approx. 47mm Microscope: X approx. 7mm, Y30mm, Z approx. 8mm
Magnifications	30X (eyepiece 10X, objective lens 3X)
Glass capillary	ø1mm - ø1.5mm
Power source	AC100 (±5%), AC120(±5%), AC220(±5%), AC240 (±5%)
Power consumption	Approx.50W
Motor speed	Approx. 50 - 2,000rpm
Dimensions/Weight	W250 X D450 X H400mm, 6.6kg

