

High-Speed Rotary Hand-piece System

This rotary handpiece turns between 300,000 and 400,000 RPM for effortless engraving, deburring, or removal of material prior to and after microscopic welding operations.

This unit is the best on the market in several ways. It is remarkably free from vibration and noise. No lubrication is required...there's no oil to contaminate your work or the air you breathe. The contoured shape is comfortable and graceful. And, it has considerably more power and torque than other rotary handpieces.

Due to its extremely high speed, the unit accepts only 1/16" diameter (.062" or 1,6mm) bur shanks. Burs are available in dozens of different styles and materials



Connect compressed air to this complete system. It includes system stand, filter/regulator, pressure gauge, foot control, handpiece, handpiece storage station, bur storage station and hook-up hardware. System stand sits on any bench top or can be fastened to a wall or table leg.

Medium Duty Electric Rotary Handpiece System

Some engraving, carving, jewelry and deburring jobs use drills and burs with 3/32" (2,35mm) and 1/8" diameter shanks. Ultra high-speed handpieces cannot do this, but E-MAX can. E-MAX is the latest micro-motor system from NSK, a world leader in micro-grinding technology. It features a bright digital display of handpiece RPM for greater efficiency and safety. The new control unit is compact, portable and rugged. An innovative addition is the special "Smart Switch" located on the rear of the handpiece that lets you turn it on/off without reaching for the control unit. The E-MAX's smooth, powerful motor is built into the handpiece, which eliminates the whip and vibration of flex-shaft systems. Using advanced coreless DC motor technology, the E-MAX handpiece is small, easy to maneuver, lightweight and fits your hand comfortably. And, it's a lot quieter than any Dremel TM type motor.

The control unit gives a wide 1000 - 35,000 rpm range. High torque and precise speed control help moldmakers prepare molds for welding or for removing weld after the repair has been made.

Moldmakers use its fast speed for shaping, finishing and hand fitting. [Microscopic Welders](#) report they've never used such a powerful handpiece that runs this smoothly for removing weld.



If you appreciate owning the best, E-MAX is for you.

Includes control unit, 1000 - 35,000 rpm handpiece motor, quick change chuck with 3/32" & 1/8" collet.
120 Volts, 50/60 Hz, 1.0 Amp.

Also Available: Foot Control .

Allows full speed regulation or on/off operation.

Torque Multiplier / Speed Reducer, 4:1



Wheels are 6" O.D. x 1" wide for use up to 3600 RPM.

180 Grit "Medium"

360 Grit "Fine"

These wheels provide superior performance for sharpening tungsten electrodes used in tig-welding on a quality dedicated bench grinder.

Typical Life:

Minimum of 3-5 years under normal use grinding only tungsten.

***(tungsten dust has been shown to be cancer causing agent)**