

ULTRAMAX® DF Power Ultrasonic Polisher Set

A dual-function system that gives you the versatility of both ultrasonic and mechanical polishing

Achieve mirror finishes on milled and EDM surfaces using the ULTRAMAX® DF Power with finishing stones, files, ceramic stones, lapping stones with diamond compounds, and sintered, resin, and plated diamond tools. With a maximum output of 100 Watts, you can even polish the toughest metals like titanium and tungsten carbide with ease.

SET INCLUDES

- Controller
- UF-9705 Ultrasonic Handpiece
- PHP35 Rotary Handpiece
- Standard tools and accessories
- Powercord
- Tool Box

ULTRAMAX® DF POWER FUNCTIONS

- **NANO Function** – The normal stroke length of the DF Power is adjustable between 3-40µm. With NANO mode, you can reduce the adjustable stroke length to a minute 1-3µm range. This is ideal for ultra-high polishing such as diamond compound polishing or when you need to remove a very small amount of metal.
- **TOUCH Function** – When the TOUCH function is activated, the mounted tool in your ultrasonic handpiece will reciprocate at full power only when contact is made with the metal surface of your workpiece. When you remove the tool from the metal surface, the reciprocation reduces to minimum power to protect your workpiece from any accidental contact.

HANDPIECES

- Included with the set are the UF-9705 Ultrasonic Handpiece and the PHP35 Rotary Handpiece (see reverse for details).
- **UF-7405 Large Handpiece (Optional)** – This large ultrasonic handpiece uses 8mm threaded tools. Ideal for very heavy-duty EDM applications. (see reverse for details).



DF Power Ultrasonic Polisher Set



Standard Tool Set (included in set)

Specs	Technical Data
Frequency (range):	17-31kHz
Frequency Adjustment:	Auto feedback system
Ultrasonic Power Output:	100W Maximum
Power Hand 2x Output:	0-30V DC
Output Adjustment (power/stroke)	Continuous variable
Power Consumption:	300VA
Outside Dimensions: {WxDxH}	7.08" x 10.35" x 9" (180 x 263 x 229mm)
Electrical:	100/120V AC, 1Ph, 50/60Hz
Net Weight:	11.9lbs

ULTRAMAX® DF Power Ultrasonic Polisher Set

UF-9705 Ultrasonic Handpiece
(Included in set)



Specs	Technical Data
Transducer:	B.L.T. electrostrictive
Cable Length:	67" (1.7m)
Screw Thread:	6mm; 4mm with tool adapter
Dimensions: (L x Dia.)	5" x 1.0931" (127 x 28mm)
Net Weight:	9.2 oz.

PHP35 Rotary Handpiece
(Included in set)



Specs	Technical Data
RPM:	0-35,000 Maximum
Max Torque:	6.5 Ncm
Motor Type:	Carbon brush
Overall Length:	5.9" (150mm)
Net Weight:	7 oz.

UF-7405 Handpiece and Tool Set (Optional)



Specs	Technical Data
Transducer:	B.L.T. electrostrictive
Cable Length:	67" (1.7m)
Screw Thread:	M8
Dimensions: (L x Dia.)	6" x 1.5" (153 x 38.1mm)
Net Weight:	15.88 oz.

PH3 Variable Speed Foot Rheostat (Optional)



Technical Data
This variable speed foot rheostat gives you the flexibility to change speeds while you work. Also gives you greater control over speed rates.