

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.

Short stroke length and fast reciprocation give you total control over the most difficult polishing and deburring tasks. Polish right up to walls and deburr edges with the system's special control functions. Use the NANO function for delicate, ultra-fine polishing and the TOUCH function to protect your workpiece from accidental contact.

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)



Item # 500-1320 – \$5,595.00

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)	Continuously variable
Power Consumption:	300VA
Outside Dimensions: {WxDxH}	7.08" x 10.35" x 9.0" (180 x 263 x 229mm)
Electrical:	100/120V AC, 1Ph, 50/60Hz
Net Weight:	11.9 lbs

ULTRAMAX® DF Power Ultrasonic Polisher Set

UF-9705 Handpiece



Item # 500-1321 (included in set)

Transducer:	B.L.T. electrostrictive
Cable Length:	67" (1.7m)
Screw Thread:	6mm; 4mm with tool adapter
Dimensions: (L x Dia.)	5" x 1.093" (127 x 28mm)
Net Weight:	9.2 oz.

PHP35 Rotary Handpiece



Item # 510-5144 (included in set)

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)



Item # 500-1322 - \$2,100.00

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)



Item # 510-3306 - \$121.55

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