

Ultramax UM-1200

Cuts finishing time by over 50%

The most affordable ultrasonic finishing machine for deburring and polishing with ceramic stones, diamond files, and lapping tools. The powerful **UM-1200** produces 25,000 cycles per second of longitudinal vibration in a small, comfortable handpiece with an invisible minute stroke of 10 to 35 microns, from low to high output levels.

UM-1200 polishes slots, ribs and details much faster and better than you could ever possibly do by hand. Its blinding-fast reciprocation and ultra-short stroke make quick work of the most demanding tasks.

Offers high and low output levels for finishing right up to a wall or edge with confidence. Works on the toughest metals, including tungsten carbide and titanium. Polishes milled and EDM surfaces to a bright mirror finish with a succession of tools.



Features

- Broad operating frequency range accommodates a wide variety of tools for maximum versatility
- Automatic frequency adjustment provides optimal finishing efficiency
- Power suspension keeps handpiece cool in your hand and extends its transducer life

Includes

Controller	Six plated diamond tools
Handpiece	Two ceramic stones
On/off foot switch	Tool holders
Handpiece cradle rest	Wrenches
Two sintered diamond tools	

Specifications

UM-1200 Controller

Vibration Frequency: 18–25kHz
Frequency Adjustment: Automatic feedback
Stroke Amplitude: 10 – 35µm
Power Consumption: 46W
Max. Output Power: 39W
Electrical: 90–240V AC, 50/60Hz
Dimensions: 7½"W x 5½"D x 3½"H
Net Wt.: 1 lb., 9 oz.

UM-1200 Handpiece

Transducer: B.L.T. electrostrictive
Cord Length: 59" (straight cord)
Screw Thread: M8
Dimensions: 5"L x 1⅜" – ¾" dia.
Net Wt.: 6.5 oz.

Description	Item #	Each
ULTRAMAX UM-1200	500-1200	\$1,495.00

Prices as of 04/17/2018
subject to change without notice

Accessories

NEW SuperStone® Precut Ceramic Stones

Use with ULTRAMAX UM-1200 to form an unbeatable combination. Made of long ceramic fibers that will not break or dull, even when dressed to a very fine point. Produce consistent and uniform surface finishes on stainless steel, copper, aluminum, silicon, alloys, magnetic materials and plastics. Polish EDM surfaces in half the usual time. Choose from eight color-coded grits in precut 40mm flat and 3mm x 50mm round sizes for the UM-1200 handpiece (also sold in 100mm sizes—call or visit our website for details). Dress with Super Dresser #351-0300. Use with proper Tool Holder (see below).

Size (mm)	Orange 400 Grit	Gray 600 Grit	Blue 800 Grit	Price Each Qty. 1-4*	Price Each Qty. 5+*
0.8 x 6 x 40	355-0561	355-0661	355-0761	\$16.65	\$14.99
1 x 4 x 40	355-0565	355-0665	355-0765	9.95	8.96
1 x 6 x 40	355-0566	355-0666	355-0766	16.10	14.49
3Ø x 50	355-0534	355-0634	355-0734	20.45	18.41

Description	Size (L x W x Thick)	Item#	Each
SUPER Dresser	100 x 25 x 3mm	351-0300	\$17.75



For our full line of sizes, shapes, and grits, visit us at www.gesswein.com

Sintered Diamond Machine Files

Tapered diamond machine files for use in Ultramax Round Tool Holders. All have 3mm shanks. Plated ends measure 15mm ($19/32$ ") long with 1.4–0.3mm taper.

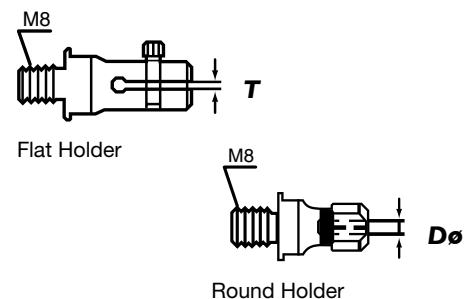
Style	Size (mm)	200 Grit Item#	400 Grit Item#	600 Grit Item#	Each
Flat	3 x 56	241-0814 †	241-0815	241-0816	\$12.50
Flat	6 x 56	241-0817	241-0818 †	241-0819	13.75
Flat	3 x 72	241-0820 †	241-0821 †	241-0822	12.50
Flat	6 x 72	241-0823 †	241-0824 †	241-0825	13.75



Tool Holder

Use these tool holders in UM-1200 for holding ceramic stones, diamond machine files and lapping tools. *Important note: Always use the UM-1200 bench jig when changing tools or tool holders to avoid damaging handpiece transducer wires.*

FLAT (for T)	Item#	Each	ROUND (for Dø)	Item#	Each
0.5mm	500-0111	\$28.00	1.0mm	500-0134	\$32.00
0.8mm	500-0131	28.00	2.0mm	500-0135	32.00
1.0mm	500-0108 †	28.00	2.35mm	500-0136	32.00
2.0mm	500-0132	28.00	3.0mm	500-0109 †	28.00
3.0mm	500-0110	28.00	1/8"	500-0137	32.00
1/8"	500-0133	28.00			



*Quantity discount for orders of one item # only, not assorted.

† Supplied with UM-1200.

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