



## Micromechatronics Inc.

200 Innovation Blvd., Suite 155 ; State College, PA 16803-6602, USA  
Phone: (814) 861-5688 ; Fax: (814) 861-1418. www.mmech.com



### USW334ek Small Ultrasonic Engraver/Cutter

#### FEATURES

- Ultrasonic cutter using 40,000 ultrasonic vibrations per second with non-audible sound to assist in reducing the friction during the engraving/cutting process.
- This latest version of Honda Electronics Small Ultrasonic Engraver/Cutter includes the following improvements:
- Ergonomically designed hand piece.
- Blade options specifically for engraving.
- "Burst Oscillation" to help eliminate slippage of the blade at the start of a cut.

#### APPLICATIONS

Ultrasonic engraving of plastics, wood, cardboard, leather etc. Used for plaster or plastic mold cleanup and detailing, deburring molded parts, model building, radio control vehicle fabrication, doll making, model sailboat construction, hobby and craft work.

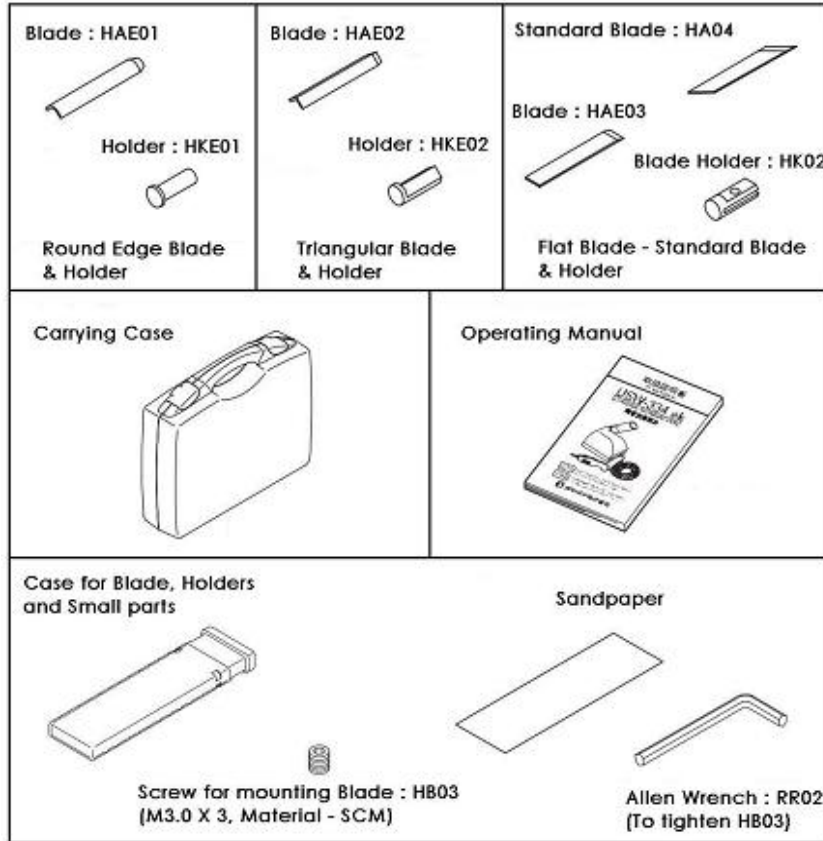
SPECIFICATIONS	
Oscillation frequency	40kHz
Maximum output	20W (Burst Oscillation)
Maximum power Consumption	25VA
Power	AC 100V 50/60Hz (Requires a 120V/100V transformer for USA operation or 220V/100V for Europe operation)
Dimensions (mm)	Transmitter (Main Body): 134 x 101 x 68 Hand-Piece: D=28 x L=124 (excluding blade)
Temperature	5 °C ~ 45°C
Circuit Protection	Over-temperature thermostat circuit Thermal shutdown if temperature is above 70°C
Weight	Transmitter (body): Approx. 420g Hand-piece: About 120g (including output cord)
Power Cord	1.4m
Output Cord	0.5m (coiled cord)




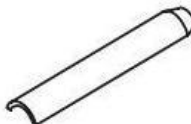
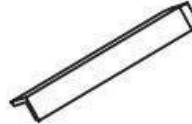
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## STANDARD USW334ek PARTS









## OPTIONAL PARTS FOR USW334ek

Description		Part No	Units per case	Material	Description
Blades	Standard Blade	HA04	40 units	SK2 (carbon tool steel).	
	Round Shaped Blade	HAE01	1 unit	SKH	
	Triangular Shaped Blade	HAE02	1 unit	SKH	




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	Flat Blade	HAE03	1 unit	SKH	
	Round Blade Clamp	HKE01	1 unit		
	Triangular Blade Clamp	HKE03	1 unit		
	Standard Blade Clamp	HK02	1 unit		
	Screw for mounting blade	HB03	1 unit		
	Allen wrench	RR02	1 unit		

### VT-100J Converter for USA operation - Recommended for USA outlet

The ZO-40 A/B ultrasonic cutter is rated at 100VAC, which is the Japanese outlet operation. The unit can operate at 100VAC +/-10%. For USA operation, i.e. 110 to 120VAC, we recommend using the VT-100J converter to prevent any damage due to over-voltage.

Part Number	Article Description
<b>VT-100J</b> 	USA to Japan Step-Down Converter  Input: 110V/120V Output: 100V Rated Load: 100VA max. (including start-up current) Heavy duty for continuous use Fuse protected