

Our distributor location

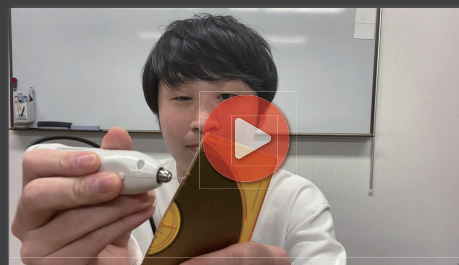
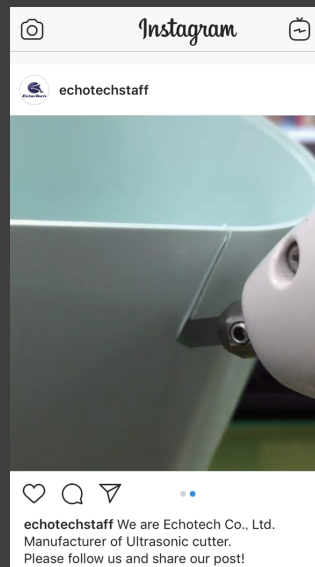


ULTRASONIC CUTTER

Cut plastic like **butter**



Check out our post!



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General sales agent:



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Manufacturer:



20 Oyamazuka, Oiwa-cho, Toyohashi, Aichi 441-3193

Registered company for ISO9001 and ISO14001

< Contact >

21-200

Japanese Product

Ultrasonic Cutter Z0 series

Ultrasonic power, transmits from ceramics transducer in main unit vibrates blade 40,000 times per second(40 kHz). It enhances blade sharpness, and release users from applying power for work. Ultrasonic cutter makes work simple which requires strong power. Released oversea models in 2016, increasing oversea users and expanding to various markets.

Ultrasonic Cutter Z0-95 ^{*1}



PROFESSIONAL MODEL OF ULTRASONIC CUTTER, ATTACHED TORQUE SCREW-DRIVER ZH25T AND FOOT SWITCH ZH801.



CE

Ultrasonic Cutter Z0-91

-OPERATE WITH JUST PUSHING HAND PIECE SWITCH ONCE. (DON'T NEED TO KEEP HOLD HAND PIECE SWITCH.)
 -NORMAL MODE AND HIGH MODE ARE ABLE TO SWITCH BY OPERATING OUTPUT CONVERSION SWITCH. (SAFETY CIRCUIT WILL ACTIVATE AND TURNS OFF THE UNIT AUTOMATICALLY WHEN IT DETECTS UNIT'S TEMPERATURE RISE.



CE

Applicable material

- Synthetic resin
- Plastic
- Object made by 3D printer
- Silicone
- Paper / cardboard
- Chemical fiber / cloth
- Polyester putty
- Epoxy putty

Specifications

Oscillation frequency	40 kHz
Max. power consumption	MAX. 110 VA
AC adapter	100-240V AC 50/60 Hz OUTPUT: 12V DC *2
External dimensions (Unit: mm)	Main unit: 185*169*55 Hand-piece: φ28*150 (including the blade)
Power mode switch	S-High/High/Normal
Operating conditions	Temperature: 10 to 35°C (without condensation) *3
Weight	Main unit: Approx. 1.2kg Hand-piece: Approx. 350 g (including hand piece cable)

Protection circuit	Temperature sensor has installed inside the hand-piece. Detection circuit detects loosen blade anchor screw and overload. When device has used without foot switch, it will stop automatically after 10 minutes operation.
Accessories	<ul style="list-style-type: none"> • BDC-200P: 40 pcs./case (including unusable blades with a hole) • Blade anchor ZH04: 1 pc. • Blade anchor screw HB03: 3 pcs. • Hexagon wrench RR02: 1 pc. • Torque screwdriver 60 cN • m ZH25T: 1 pc. • Foot switch for ultrasonic cutter Z0-95 ZH801: 1 pc. • Edge protector ZH805: 1 pc.

Specifications

Oscillation frequency	40 kHz
Max. power consumption	Approx. 80 VA
AC adapter	100-240V AC, 50/60 Hz 80 VA, OUTPUT: 12V DC, 3.0 A1 *2
External dimensions (Unit: mm)	Main unit: 173*89*76 Hand piece: φ32*144 (including blade)
Operating condition	Temperature: 5 to 35°C (Without condensation) *3
Weight	Main unit: Approx. 260 g Hand piece: Approx. 100 g (including hand piece cable)

Hand-piece cable	1.6 m (straight)
Rated voltage	12V DC
Max. output	30 W
Accessories	<ul style="list-style-type: none"> • BDC-200P: 40 pcs./case (including the blades with a hole) • Blade anchor ZH04: 1 pce. • Blade anchor screw HB03: 3 pcs. • Hexagon wrench RR02: 1 pce. • Edge protector ZH805: 1 pc.

CE

This product has CE certificate declared by our manufacturer, HONDA Electronics Co., Ltd.

*1 "S-High mode" works to cut objects 1.5 times faster than the conventional models, based on the comparison against cutting speed of Z0-91/High mode, cutting 2 mm thick acrylic within force of 2 kgs.
 *2 Since this product has intended selling to CE standard region, the power supply cord has complied to CE standard. In case of using product at any foreign country or region, please prepare and use the power cord which complies to your country or your region's law and safety standard.
 *3 Temperature mentioned in Operating condition is not a guarantee of device operation.

Replacement blades

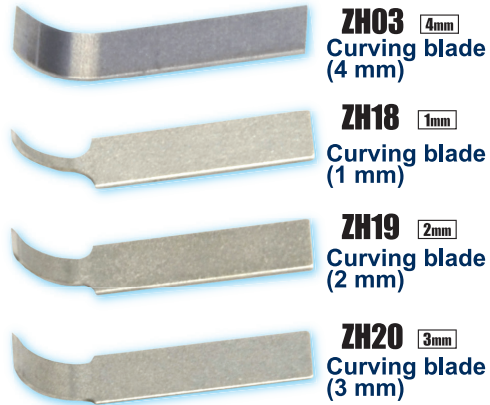
Get more replacement blades information from here.

<https://echotech.co.jp/en/products/2562/>



Please ask us any questions from contact form on website.

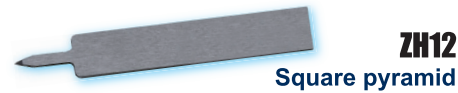
The curved edge blade. There are 4 types of blade that are difference in edge fineness.



Round shaped blade like a knife. Specialized for cardboard processing.



Cone shaped sharp blade. Useful for marking processing.



Useful for cut silicone deeply.



Non-blade electrodeposited plate for filing. ZH34, ZH35, ZH36 are special products that requires 2 months after received order for making.

Filing plate #325 (1 mm)



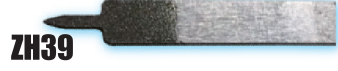
Filing plate #325 (4 mm)



Electrodeposited filing plate with round tip blade



Electrodeposited filing plate with square pyramid



Filing plate #325 (2 mm)



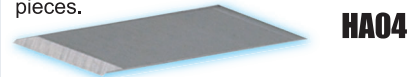
Filing plate #325 (3 mm)



Electrodeposited filing plate with curving blade 1mm



Standard blade
Standard blade set consists of 40 pieces.



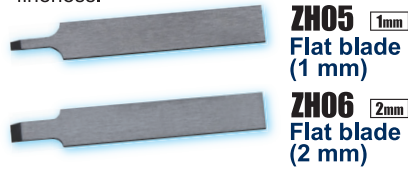
Zirconia ceramic blade
As it doesn't pass electricity, it's useful for disassemble battery pack.



Cemented carbide
Carbide blade, excellent in wear resistance. Specialized for cutting resin.



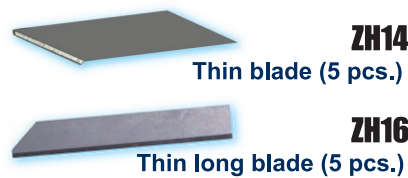
Flat blade like a graver but not like a cutter. The blade type distinguished by edge fineness.



Non-blade flat plate. Specialized for processing clay and surface of material.



Thin blade can minimize material melting, even though it's easy to bend.



Double-edged triangular pyramid
Useful for making triangular mold by cutting edge of the blade.



Requested blade for cloth processing.



Jagged blade like a saw. Specialized for carbon processing.



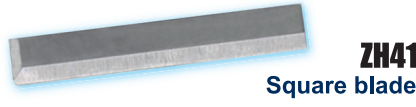
The blade requested for film welding. Welding work materials with heat, generated by oscillation of ultrasonic cutter.



Special blade, requested by museum.



Useful for deep line cut.



25mm length blade. Specialized for cork processing.



If colored side gets worn, it could use opposite black side. It's also useful for grind metallic tool and make it clean.

Only corresponded to ZO-91 and ZO-95 "Normal mode".

ZH24 Grinding stone #800 Color: Blue

ZH26 Grinding stone #120 Color: Green

ZH27 Grinding stone #180 Color: Gold

ZH28 Grinding stone #300 Color: Brown

ZH29 Grinding stone #400 Color: Orange

ZH30 Grinding stone #600 Color: Gray

ZH31 Grinding stone #1000 Color: White

ZH32 Grinding stone #1200 Color: Red

ZH51 Grinding stone #80 Color: Purple

Maintenance / Option

Maintenance, and optional products are on sale too!

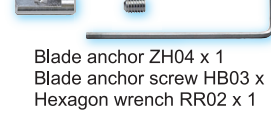
Welding bar NEW Weld resin sheet and film easily by drawing line on sheets.



ZH04
Blade anchor for ZO series



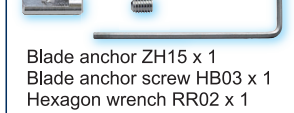
ZH04S
Blade anchor set



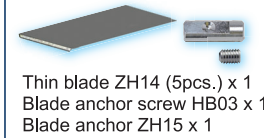
ZH15
Blade anchor for Thin blade ZH14 and ZH16



ZH15S
Blade anchor for thin blade set



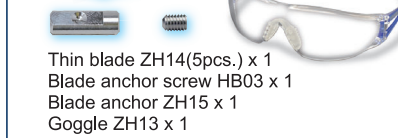
ZH14S
Thin blade set



ZH16S
Thin long blade set



ZH14SG Thin blade and goggle set



ZH16SG Thin long blade and goggle set



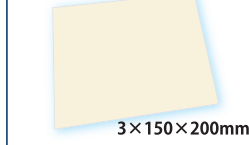
ZH25T
Torque screwdriver



ZH13
Goggle



CM02
Cutting mat



ZH805
Edge protector



ZH804 Carrying case for ZO-95



ZH46 Carrying case for ZO-91

Replacement Blade Adaption List

			ZO-91	ZO-95
Blade	HA04	Standard blade	○	○
	HA07	Cemented carbide blade	○	○
	ZH48	Zirconia ceramic blade	○	○
	ZH03	Curving blade (4 mm)	○	○
	ZH18	Curving blade (1 mm)	○	○
	ZH19	Curving blade (2 mm)	○	○
	ZH20	Curving blade (3 mm)	○	○
	ZH05	Flat blade 1 mm	○	○
	ZH06	Flat blade 2 mm	○	○
	ZH52	Flat round blade	○	○
	ZH07	Flat plate 1 mm	○	○
	ZH08	Flat plate 2 mm	○	○
	ZH44	Double-edged triangular pyramid	○	○
	ZH45	Circular tip φ0.4 blade	N	N
	ZH11	Saw blade ZH11	○	○
	ZH37	Saw blade ZH37	○	○
ZH12	Square pyramid	○	○	
HA09	Long blade for USW series	×	×	
ZH10	Long blade 25 mm	○	○	
ZH38	Welding blade 2 mm	○	○	
ZH09	Round tip blade(R 15)	○	○	
ZH49	Electrodeposited filing plate with curving blade	○	○	
ZH42	Round tip blade	○	○	
ZH47	Electrodeposited filing plate with Round tip blade	○	○	
ZH41	Square blade	○	○	
ZH14	Thin blade 0.15 mm	N	N	
ZH16	Thin long blade	N	N	
ZH23	Filing plate #325 4 mm	○	○	
ZH34	Filing plate #325 1 mm	○	○	
ZH35	Filing plate #325 2 mm	○	○	
ZH36	Filing plate #325 3 mm	○	○	
ZH39	Electrodeposited filing plate with square pyramid	○	○	
ZH01A	Sharp edge blade 16°(Revision)	N	N	
ZH24	Grinding stone #800	N	N	
ZH26	Grinding stone #120	N	N	

※"○" mark represents it corresponds to Normal or High mode, do not use S-High mode for those replacement blades. "N" mark represents it only corresponds to Normal mode.

			ZO-91	ZO-95
Grinding stone	ZH27	Grinding stone #180	N	N
	ZH28	Grinding stone #300	N	N
	ZH29	Grinding stone #400	N	N
	ZH30	Grinding stone #600	N	N
	ZH31	Grinding stone #1000	N	N
	ZH32	Grinding stone #1200	N	N
	ZH51	Grinding stone #80	N	N
ZH55~63	Grinding stone bar	N	×	
ZH54	Welding bar	○	○	
Blade anchor	HK02	Blade anchor for USW series	—	—
	ZH04	Blade anchor for ZO series	○	○
	HB03	Blade anchor screw	○	○
	RR02	Hexagon wrench	○	○
ZH25T	Torque screwdriver 60 cN · m	○	○	
Maintenance goods	SB01	Abrasive paper x 3 Cleaning bar x 1	○	○
	SB02	Abrasive paper x 10	○	○
Blade anchor set and set products	ZH04S	Blade anchor set	○	○
	ZH14S	Thin blade set	N	N
	ZH14SG	Thin blade and Goggle set	N	N
	ZH15S	Blade anchor for thin blade set	N	N
	ZH16S	Thin long blade set	N	N
ZH16SG	Thin long blade and Goggle set	N	N	

※We can customize your original blades. Feel free to contact us for making your desirable blades.

Various processing with

Able to make various processings on various materials and

Debarring

Remove materials small burrs easily. Shape model parts cleanly and improves objects appearance.



Line cut

Make line cut on materials like drawing line. Let's make your original design on object.



Welding

Press welding blade on overlapped vinyl sheet. Friction heat occurs between blade and sheet, and it welds vinyl. Make your original vinyl parts and broaden your creation.

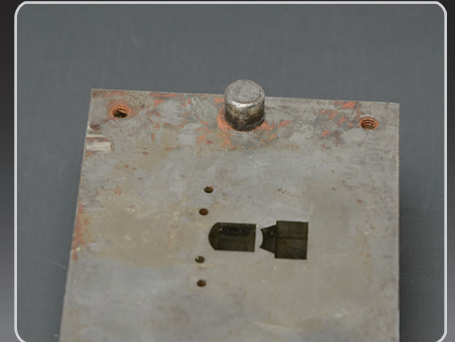


Ultrasonic Cutter.

make up objects closer to your ideal.

Polish

Push and slide grinding stone on metal parts, and remove rust. Let's polish and clean your metal parts.

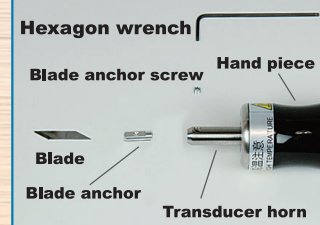


How to Maintenance ※Please do after turn off the device.

Blade anchor replacement



① Loosen the blade anchor screw with hexagon wrench.
※Please use long length side of hexagon wrench for loosen screw.



② Clean parts below.
• Blade
• Blade anchor screw
• Inside the horn (refer to the picture)

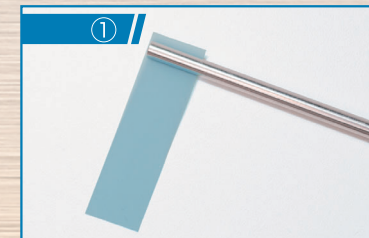


③ Replace to the new blade anchor. If you often replace the blade, torque screw-driver set(ZH25) is helpful for replacing screw easier.



④ Blade anchor is consumable. Please replace when the horn breaks or got dirty. (Horn's contacted side)

Transducer horn cleaning



① Insert abrasive paper in the cleaning bar.



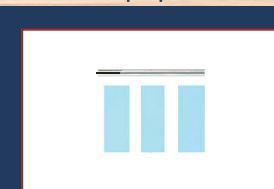
② Wind abrasive paper to the cleaning bar.



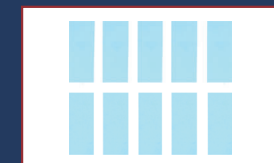
③ Clean inside the horn with abrasive paper on bar.



④ Clean contamination inside the horn with swab.



Maintenance set SB01
Please clean when you find contamination on horn's contacted side. Otherwise it leads malfunction on device.



Maintenance set SB02
Abrasive paper specialized for cleaning inside the horn without damaging. (10 pieces set)

