

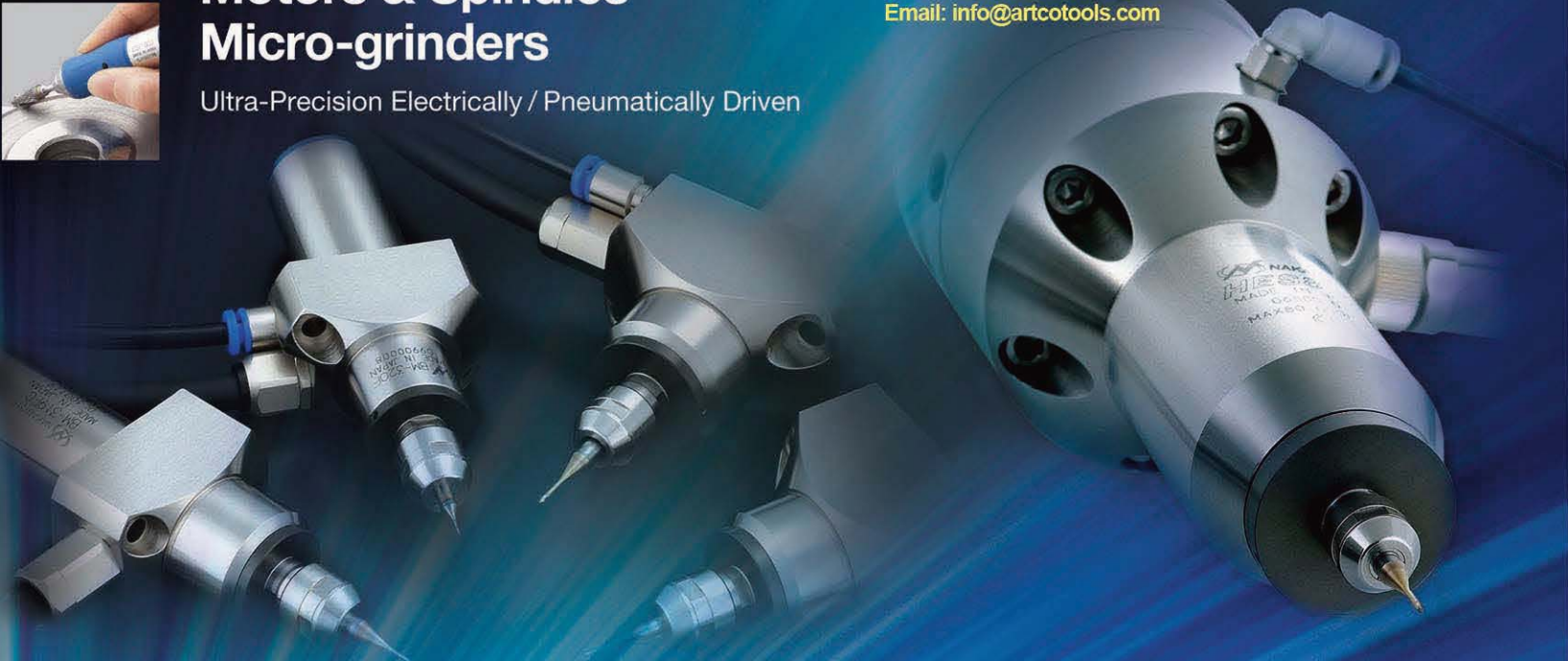
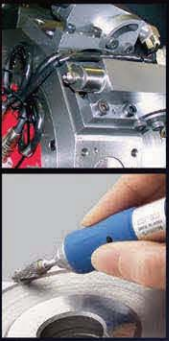


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Motors & Spindles Micro-grinders

Ultra-Precision Electrically / Pneumatically Driven



NSK America

Precision & Reliability



2016 / 17
 Edition

Ultra Sonic Products



SHEENUS neo

22.5 KHz

ULTRASONIC POLISHER

- SHEENUS neo can be used for grinding, polishing and mirror finishing on a wide range of materials from aluminum dies to cemented carbide dies. It is also perfect for plastic molds, press, casting, forging, trimming and header dies.
- This tool quickly removes hard layer of EDM deposits and polishes difficult areas such as complex corners and ribs.



SONIC-CUTTER

39.5 KHz

ULTRASONIC CUTTER

*** Not available for sale in Europe.**

- Max. Output Power : 30W
- Intricate and accurate cutting with a light touch.
- Machine attachment type is also available.



1
EmaxEVO
ESPERT
ROTUS
IMPULSE
PRESTO II
SHEENUS neo
SONIC CUTTER
2
iSpeed3
E2280 ø1.07/ø0.98"
E2280 ø0.897"
E3000 - One Piece
E3000 - Modular
ø1.18"
ø1.07/ø0.98" ø0.897"
E3000 - 80,000rpm
E4000
3
MA
ø0.897"
ø1.07" ø0.98"
ø1.18"
MS
ø0.75" ø0.79"
ø0.87" ø0.91"
ø1.07" ø0.98"
4
HES
HTS
HPS
PLANET
Xpeed
ABT
5
AIR LINE KIT
6
PARTS
7
TECHNICAL DATA
8
APPLICATION EXAMPLES
INDEX

- Oscillating Frequency : 39.5KHz · Max. Output Power : 30W
- Intricate and accurate cutting with a light touch.
- Machine attachment type is also available.

* Not available in Europe.

CAT. No. SC71495 SONIC-CUTTER STANDARD SET



Hand-Held Type Cutter US-15CB Specifications

Piezoelectric Transducer : Bolt-Clamped PZT Type
 Weight : Approx. 7.41 oz. (w/cord)
 Cord Length : 10 ft

Controller NE80 Specifications

Power Source : AC120V, 50-60Hz
 Max. Output Power : 30W
 Oscillating Frequency : 39.5KHz
 Oscillating System : Automatic Oscillation, Automatic Trucking
 Dimensions : W5.91" x D9.84" x H4.72"
 Weight : 5 lb. 11.71 oz.

SONIC-CUTTER Standard Set

CAT. No.	Model	Standard Equipment	Price
SC71495	US-15CBS	<ul style="list-style-type: none"> ● Controller (NE80) : 1 pc. ● Hand-Held Sonic-Cutter w/cord (US-15CB) : 1 pc. ● Spare Blade : 40 pcs. (made by NT Co. BDC-200P 30°) ● Tool Stand (Spiral Spring) : 1 pc. ● Allen Wrench (1.5 mm) : 2 pcs. ● Hexagonal Wrench (M5), (R1.5) : 1 pc. each ● Spare Set Screw : 4 pcs. 	1,401.00

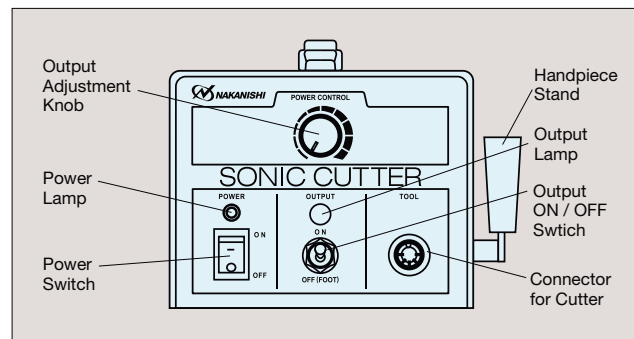
Features and Application Samples

- Designed compact and light weight with an easy hand grip to reduce fatigue, the Sonic-Cutter allows for long continuous operation.
- This ideal handpiece offers excellent maneuverability and there is no vibration to the hand ensuring an accurate and sharp cutting finish. The controller automatically adjusts the output power depending on load so there is no need to make minor adjustments on the controller during the working process.
- Constant frequency provides steady cutting results. From simple work to fine cutting and complicated shapes, the Sonic-Cutter performs effortlessly and beautifully.

OPTIONAL

- The Sonic-Cutter US-16CB (with clamp) for machine attachment is available with internal coolant air joint to withstand long continuous operation.
- If Foot Pedal FC-40 is connected, ON-OFF switch operation is made by foot.

Nomenclature of Controller NE80



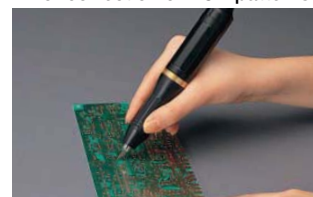
- For cutting and deburring of plastics
- For cutting of sheet, cloth, etc.
- For correction of PCB patterns
- For cutting rubber film, etc.



Efficient for cutting and deburring of composite material of FRP and plastic materials.



Delicate and beautiful cutting with a light touch can be made on sheet, cloth, etc.



Most suitable for accurate correction work required on PCB.



Beautiful cutting finish is made for cutting out designs and patterns on rubber, POP sheet, paper, etc.

1

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SHEENUS neo

SONIC CUTTER

2

iSpeed3

E2280

φ1.0"/φ0.98"

E2280

φ0.897"

E3000

- One Piece

E3000

- Modular

φ1.18"

φ1.0"/φ0.98"

φ0.897"

E3000

- 80,000rpm

E4000

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MA

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7

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8

APPLICATION EXAMPLES

INDEX

CAT. No. SC71497 SONIC-CUTTER CONTROLLER NE80



- Specifications...
- Power Source : AC120V, 50-60Hz
 - Max. Output Power : 30W
 - Oscillating Frequency : 39.5KHz
 - Oscillating System : Automatic Oscillation, Automatic Trucking
 - Dimensions : W5.91" x D9.84" x H4.72"
 - Weight : 5 lb. 11.71 oz.

CAT. No.	Model	Standard Accessories	Price
SC71497	NE80	<ul style="list-style-type: none"> • Ground Wire : 1 pc. • Handpiece Stand (Including mounting parts) : 1 set 	729.00

CAT. No. SC71496 HAND-HELD TYPE CUTTER US-15CB



- Specifications...
- Piezoelectric Transducer : Bolt-Clamped PZT Type
 - Weight : Approx. 7.41 oz. (w/cord)
 - Cord Length : 10 ft

CAT. No.	Model	Standard Accessories	Price
SC71496	US-15CB	<ul style="list-style-type: none"> • Allen Wrench (1.5 mm) : 2 pcs. • Hexagonal Wrench (M5), (R1.5) : 1 pc. each • Spare Set Screw : 4 pcs. • Spare Blade : 40 pcs. (made by NT Co. BDC-200P 30°) 	717.00

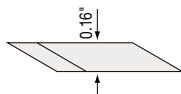
CAT. No. SC71499 CUTTER FOR MACHINE ATTACHMENT US-16CB



- Specifications...
- Piezoelectric Transducer : Bolt-Clamped PZT Type
 - Weight : Approx. 10.23 oz. (w/cord)
 - Cord Length : 10 ft

CAT. No.	Model	Standard Accessories	Price
SC71499	US-16CB	<ul style="list-style-type: none"> • Allen Wrench (1.5 mm) : 2 pcs. • Hexagonal Wrench (M5), (R1.5) : 1 pc. each • Air Hose ($\phi 4\text{mm} \times 13\text{ft}$) • Spare Set Screw : 4 pcs. • Spare Blade : 40 pcs. (made by NT Co. BDC-200P 30°) 	804.00

CAT. No. DC200 SPARE BLADE



CAT. No.	Model	Description	Price
DC200	BDC-200P 30°	Spare Blade Made by NT Co. Spare blade is available at a shop near you.	6.00

CAT. No. EG11404 FOOT PEDAL FC-40



CAT. No.	Model	Fit to	Price
EG11404	FC-40	SONIC-CUTTER	79.00

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