*US-25PBS 230V(8093) AND NE240 230V(8095) ARE DISCONTINUED.

*US-25PBS 120V(8094) AND NE240 120V(8096) WILL BE DISCONTINUED WHEN ALL THE STOCK IS SOLD OUT.

Ultrasonic Polisher SHEENUS neo

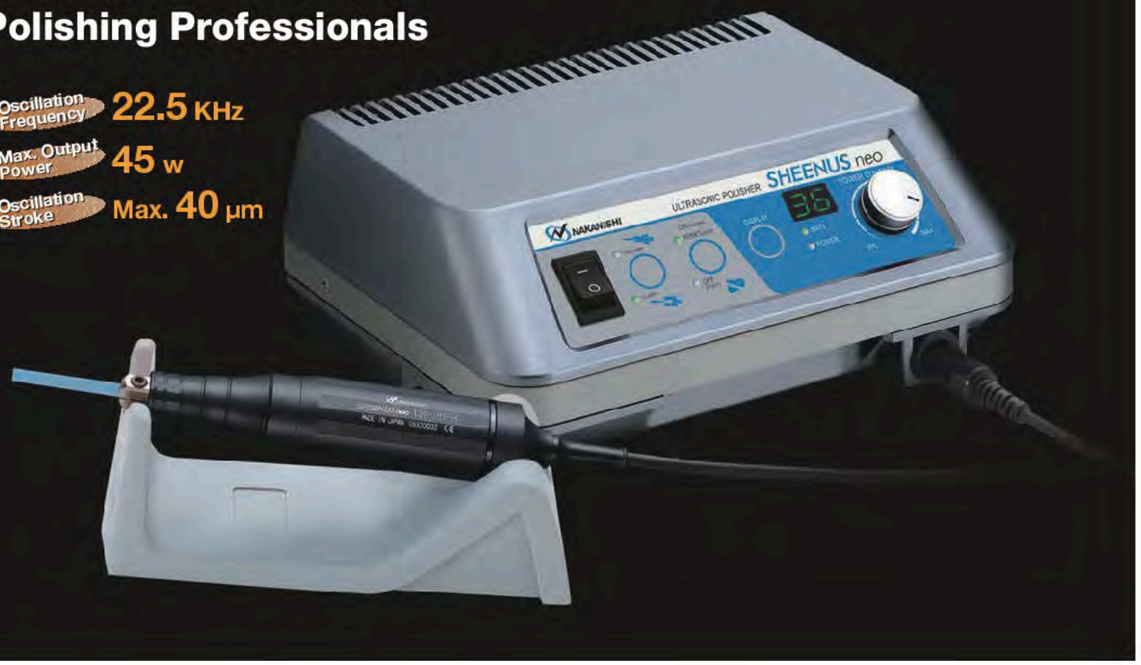
SHEENUS neo ULTRASONIC POLISHER

■ Powerful ultrasonic oscillation speeds up deburring and polishing processes.

Advanced Polishing Performance

Power and Comfort for Polishing Professionals

Oscillation Frequency 22.5 KHz
Max. Output Power 45 w
Oscillation Stroke Max. 40 µm



Digital Display Function

The digital power display eliminate over polishing.

2 Modes for Delicate Deburring and Polishing

UNCLAMP MODE
When using a One-piece tool, set to the UNCLAMP MODE.

CLAMP MODE
When using the tip holder (manually mounted tips) and M4 Screw Joint Adaptor, set to the CLAMP MODE.

Various Exclusive Tools

Exclusive Tools P. 75 ~ 76

No Vibration on Your Hand

Sensitive control to tool tip feedback to insure professional results.

● Polishing die and mold

Tool : Ceramic Fiber Grindstone
→ P.75

● Polishing ribs and small area of parts

Tool : Electroplated Diamond File
→ P.75

● Mirror finishing of carbide parts

Tool : Diamond Compounds
→ Please see the NAKANISHI "TOOLS" Catalog
Wood Lapping Tip → P.75

● Polishing a deep and wide surface

Tool : Long Type Electroplated Diamond File
→ P.75

● Deburring difficult areas such as complicated Shape

Tool : Electroplated Diamond File
→ P.75

ULTRASONIC POLISHER

SHEENUS neo

Oscillation Frequency 22.5 KHz | Oscillation Stroke Max. 40 μm | Exclusive Tools P.75~76

■ Easy Operation to improve work efficiency.

***US-25PBS 230V(8093) AND NE240 230V(8095) ARE DISCONTINUED.**

SHEENUS neo Standard Set

- "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 layers of EDM deposits and polishes, difficult areas such as complex corners and ribs.
- Capabilities include deburring, grinding and polishing of precision molds, dies electronic and ceramic components.

Code No.	Model
8094	US-25PBS 120V
~~8093~~ DISCONTINUED	~~US-25PBS 230V~~

*Please check the power source plug type (P.66).

Standard Equipment
- Controller (NE240 120V / 230V) : 1 pc.
- Ultrasonic Handpiece (US-25PB) : 1 pc.
- Included Accessories : 1 set • Tool box (plastic) : 1 pc.
- Handpiece Stand (K-274) : 1 pc. • Spanner (10 mm)
- Allen Wrench (2.5 mm) • Foot Pedal (FC-24) : 1 pc.
- Fuse AC120V (T1.6AH 250V) : 2 pcs. / AC230V (T1.0AH 250V) : 2 pcs.

Included Accessories (1 pc. each)

• Electroplated diamond file	Flat Taper	0.4 x 4 x 50 mm	#200	(60101)
• Ceramic fiber grindstone	Flat	1 x 6 x 50 mm	#800	(60735)
• Tip Holder	Round	For ø3 mm		(60902)
• Tip Holder	Flat	For thickness 1 mm		(60922)

Exclusive Tools P.75~76

***US-25PBS 120V(8094) AND NE240 120V(8096) WILL BE DISCONTINUED WHEN ALL THE STOCK IS SOLD OUT.**

Controller

Code No.	Model
8096	NE240 120V
~~8095~~ DISCONTINUED	~~NE240 230V~~

*Please check the power source plug type (P.66).

Specifications
Oscillation frequency : 22.5KHz (center frequency)
Frequency control : Homing type
Output power : UNCLAMP mode Max. 45W
: CLAMP mode Max. 20W
Power conditioning : Continuous variable type
Power Source : AC120V/230V, 50-60Hz
Dimensions : W225 x D195 x H97 mm
Weight : 2.1 kg

Standard Accessories
• Fuse AC120V (T1.6AH 250V) : 2 pcs.
AC230V (T1.0AH 250V) : 2 pcs.

① Power Switch
② Clamp or Unclamp Mode Switch
③ Vibration ON/OFF Switch (At OFF mode Foot Pedal can be operated)
④ 2 Mode Display Selection Switch (WATT/POWER)
⑤ Digital Display
⑥ Output Power Control Knob
⑦ Equipped with a convenient handle for carrying
⑧ Connector for the handpiece

- Max. Output Power 45W
- Digital Display Function.
  2 Mode Display Selector : "WATT","POWER"
- Easy Touch Function Switches.

Ultrasonic Handpiece

Code No.	Model
8099	US-25PB

Specifications
Oscillator : PZT piezoelectric type
Attachment fixing : M6 screw
Cable length : 2 m (60 g)
Dimensions : ø16 (Max. ø28) x L134 mm
Weight : 140 g (w/o cable)

- Ergonomically comfortable and light for effortless work over long periods.
- Lightweight, resin body ergonomically designed to provide precise control while operating.

Exclusive Tools P.75~76

*Tip holder and Ceramic fiber grindstone in this picture are not provided when only handpiece US-25PB is purchased.

SHEENUS neo Spare Parts

Product	Description	Code No.	Model	Specifications
	Foot Pedal	8103	FC-24	ON/OFF switch only
	Handpiece Stand	8104	K-274	
	Spanner	—	—	10 mm Available in the market
	Allen Wrench	—	—	2.5 mm Available in the market

Precautions for using Nakanishi Tools

For safe use of the tools

- **Please read operation manuals before using any tools.**
- **Please keep all operation manuals on hand for reference whenever necessary.**

> ⚠ **Caution** Incorrect use of the tools, or ignoring 'CAUTIONS for safety' described in the operating manuals, could cause fatal or serious bodily injury.

CAUTIONS

Always use safety glasses, mask, face guard for your safety.

Fasten the collet firmly.
Make sure the tool is fully installed in the collet to avoid tool slippage.

Do not touch the tools when in operation.
Make sure the work area is neat and there is sufficient light.

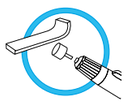
Do not use damaged or broken electric cords and air hoses.

Do not use the tool where flammable liquids or gases exist.

Start at low speed and increase gradually to insure safe work.
This is particularly important for the use of new tools, large cutting tools and elastic tools such as rubber grindstone, sander and brush tools.

Do not leave operating tools.
Confirm that the tool has stopped completely after switching off.

Keep the tools and products in a cool, dry place.



Select proper tools and products for your application.
Select tools carefully considering the performance of the tools, work procedure and type/shape of the material.

Check the tools carefully before use.
Confirm that the tools are free of chips, cracks, splits, scratches, irregular bondings, and out of round shanks, etc.

Fix the work material firmly in a vise and/or other clamping fixture.

Stop grinding or polishing immediately whenever unusual sounds, vibrations, or wear are found.
Restart the work only after the problem is found and corrected.

Do not wear loose clothing and/or accessories that may be caught in machinery.
Long hair should be secured prior to machine operation.

Only use attachments, parts, consumable articles and accessories produced by NAKANISHI.

Check all tools carefully before use.
Clean the inside of the collet and tool shank, chips or fine metals inside the collet could cause tool slippage and result in damage to machinery or bodily injury.

Do not apply high pressure to or pry with the tools.
This can break and/or bend the tools. Use the tools within their design limitation. Excessive pressure will decrease the efficiency of your work and cause excessive wear of the tools.

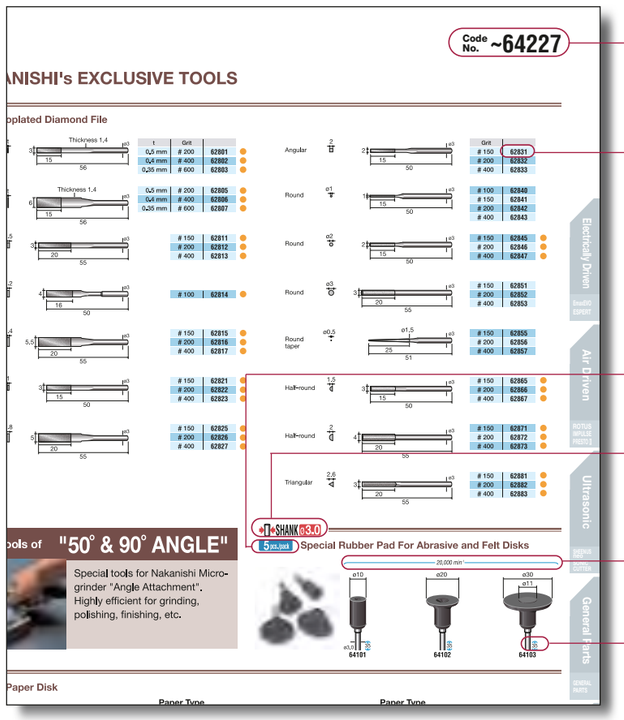
The tools should be used by taking care of the overhang and below maximum allowable speed.
The catalogue shows the maximum allowable speed at 13 mm overhang (distance between the face of the collet and the top of the tool shank).

Decrease the speed as shown in the table below, if you are using a longer overhang than 13 mm.

Overhang	Maximum allowable speed (min^{-1})
Less than 13 mm	Shown in the catalogue (A)
Less than 20 mm	(A) x 0.5
Less than 25 mm	(A) x 0.3
Less than 50 mm	(A) x 0.1

Symbols used in NAKANISHI Tools Catalogue

SHANK ø3.0	**Shank Diameter** Shows shank diameter of the tools. Nakanishi produces tools with several shank diameters. * Nakanishi micro grinders utilize a collet system, which insures maximum precision. Therefore, please use the collet that best corresponds to the tool shank diameter.
10 pcs./pack	**Standard Package** One package is the minimum shipping unit. This number shows the number of pieces in the standard package (bag, box and etc.). Please order the number of packages needed for the desired quantity.
20,000 min^{-1}	**Maximum allowable speed** Do not exceed the maximum allowable tool speed. For your safety, use the tools below the indicated allowable speed. Start at low speed and increase gradually to insure safety. The preceding is particularly important for the use of new tools and machines. * Maximum allowable speed assumes an overhang of less than 13mm. Decrease speed if the overhang is more than 13mm. Refer to "Precautions for using Nakanishi Tools" on the next page. * Check the tools and machinery for mechanical defects prior to each use.
#100	**Grit** This shows grain size of various grinding tools. Rough Cutting ····· 46, 54, 60, 70, 80, 90 Medium Cutting ····· 100, 120, 150, 180 Pre Finishing ····· 220, 240, 280, 320, 400 Finishing ····· 500, 600, 700, 800, 1000 Fine Finishing and Mirror Polishing····· 1200, 1500, 1800, 2000, 3000, 4000, 6000, 8000····



End Code number on each page

Code number (Order number)

Standard package quantity

Shank diameter of the tool

Maximum allowable speed

Total length of the tool (mm)

Note : Specifications may be changed without notice. Colors of the tools in this catalogue may not be the same as actual colors due to printing limitations.

Line up

Exclusive Tools of “SHEENUS neo” (P.75~76)

Exclusive Tools of “LUSTER” (P.76~78)

Exclusive Tools of “MINI-LUSTER” (P.76~78)

Exclusive Tools of “SWING-LUSTER” (P.76~78)

Exclusive Tools of “Angle Type Attachment” (P.78~80)

Exclusive Tools of “Mini Angle Type Attachment” (P.80)

Exclusive Tools of “FINE BELT SANDER” (P.81~82)

NAKANISHI

NAKANISHI Exclusive Tools

Exclusive Tools of Ultrasonic Polisher “SHEENUS neo” ····· P.75~76

Exclusive Tools of Electromotive Polisher “LUSTER” ····· P.76~78

Exclusive Tools of Electromotive Polisher “MINI-LUSTER” ····· P.76~78

Exclusive Tools of Electromotive Polisher “SWING-LUSTER” ····· P.76~78

Exclusive Tools of “50˚ & 90˚ Angle Type Attachment” ····· P.78~80

Exclusive Tools of “Mini Angle Type Attachment” ····· P.80

Exclusive Tools of “IMPULSE” ····· P.81

Exclusive Tools of “FINE BELT SANDER” ····· P.81~82

Electrically Driven
EmaxEVO ESPERT
Air Driven
ROTUS IMPULSE PRESTO II
Ultrasonic
SHEENUS neo SONIC CUTTER
General Parts
GENERAL PARTS
CAUTION
Exclusive Tools
EXCLUSIVE TOOLS
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NAKANISHI's EXCLUSIVE TOOLS

Exclusive Tools of Ultrasonic Polisher "SHEENUS NEO"

Special electroplated diamond files of Nakanishi's ultrasonic polisher "SHEENUS NEO". Ideal for fine burr removal and rough finishing.

1 pc./pack Electroplated Diamond File

	Grit	
Flat taper	# 200	60101
	# 320	60102
	# 600	60103
Flat	# 200	60105
	# 320	60106
	# 600	60107
Flat bent	# 200	60111
	# 320	60112
	# 600	60113
Column with the rounded edge	# 200	60151
	# 320	60152
	# 600	60153
Column with the rounded edge	# 200	60155
	# 320	60156
	# 600	60157
Round taper (cone-shaped)	# 200	60181
	# 320	60182
	# 600	60183
Triangular taper (Triangular pyramid)	# 200	60185
	# 320	60186
	# 600	60187
Oval taper	# 200	60191
	# 320	60192
	# 600	60193
Flat long	# 200	60115
	# 320	60116
	# 600	60117
Flat long taper	# 200	60231
	# 320	60232
	# 600	60233
Flat long taper	# 200	60235
	# 320	60236
	# 600	60237

2 pcs./pack Ceramic Fiber Grindstone (Total Length 50 mm)

- Alumina fiber abrasive with the strength and the flexibility for rough or fine finishing.

Grit	Color	W = 4 mm	W = 6 mm
# 180	Ivory	60701	60711
# 300	Brown	60702	60712
# 400	Orange	60703	60713
# 600	Black	60704	60714
# 800	Blue	60705	60715
#1,000	White	60706	60716
#1,200	Pink	60707	60717

Grit	Color	W = 4 mm	W = 6 mm	W = 10 mm
# 180	Ivory	60721	60731	62961
# 300	Brown	60722	60732	62962
# 400	Orange	60723	60733	62963
# 600	Black	60724	60734	62964
# 800	Blue	60725	60735	62965
#1,000	White	60726	60736	62966
#1,200	Pink	60727	60737	62967

Grit	Color	ø3 mm
# 180	Ivory	63101
# 300	Red	63102
# 400	Orange	63103
# 600	Black	63104
# 800	Blue	63105
#1,000	White	63106
#1,200	Pink	63107

5 pcs./pack Brass Lapping Tip (Total Length 40 mm)

- Lapping tools for finishing using diamond or abrasive compounds.

Grain diameter	
d=ø2 mm	60801
d=ø3 mm	60802

Flat: 60805

✻Use after clamping in Special Tip Holder

10 pcs./pack Wood Lapping Tip (Total Length 40 mm)

- Lapping tools for finishing using diamond or abrasive compounds.

Round: 60811

Flat: 60815

✻Use after clamping in Special Tip Holder

2 pcs./pack Special Tip Holder

Grain diameter	
d= ø2.0 mm	60901
d= ø3.0 mm	60902
d= ø3.3 mm	60903
d= ø3.2 mm	60904

d= ø2.0 mm	60911
d= ø3.0 mm	60912
d= ø3.2 mm	60913

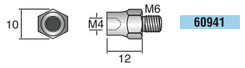
Grain diameter	
t=0.8 mm	60921
t=1.0 mm	60922
t=2.0 mm	60923
t=3.0 mm	60924
t=3.2 mm	60925

t=1.0 mm	60927

NAKANISHI's EXCLUSIVE TOOLS

2 pcs./pack M4 Screw Joint Adaptor

- Connection adaptor for attaching M4 screw tool to SHEENUS NEO handpiece (SHEENUS NEO ID thread is M6).



60941

Exclusive Tools of Electromotive Polisher "LUSTER", "MINI-LUSTER", "SWING-LUSTER"

LUSTER

Best for finishing large open work areas.
●Marked tools can be used for Sheenus neo with the Tip Holder. (60912)

SHANK ø3.0

1 pc./pack Electroplated Diamond File

	Grit	
Flat taper	# 200	62301 ●
	# 400	62302 ●
	# 600	62303 ●
Flat taper	# 200	62305
	# 400	62306
	# 600	62307
Flat	# 150	62311
Half-round	# 150	62313
Round	# 150	62315
Angular	# 150	62317 ●

1 pc./pack Diamond File Flat Type

✻Use with stone holder No.62502.

Grit	
# 150	62351
# 200	62352
# 400	62353

Grit	
# 150	62355
# 200	62356
# 400	62357

# 150	62361
# 200	62362
# 400	62363

SHANK ø3.0, ø3.5

3 pcs./pack Precision Finishing Files (Flat, Round, Angular, Triangular, Half-Round)

Total length	140mm		180mm
The length of file	70mm		90mm
	Standard	Fine	Standard
(Flat)	57301	57311	57321
(Round)	57302	57312	57322
(Angular)	57303	57313	57323
(Triangular)	57304	57314	57324
(Half-round)	57305	57315	57325

✻(Figures) means dimensions for standard file total length 180mm.

5 files-pack set
- Standard (total length 140mm) set (No.57301~No.57305 : 1pc. each) ·····57309
- Fine (total length 140mm) set (No.57311~No.57315 : 1pc. each) ·····57319
- Standard (total length 180mm) set (No.57321~No.57325 : 1pc. each) ·····57329

SHANK ø3.0

3 pcs./pack Rasps for plastics and wood working (Flat, Round, Angular, Triangular, Half-Round)

Total length 140 mm (The length of file is 69 mm)

(Flat)	57401
(Round)	57402
(Angular)	57403
(Triangular)	57404
(Half-round)	57405

5 files-pack set
- Rasps set for plastics and wood working for plastics and woodworking (No.57401~No.57405 : 1pc. each) ·····57410

◆Order in standard package quantities.