

# ADVANCED CERAMIC STONE



## NEW SuperStone

更長的耐磨壽命 / VERY LONG LIFE ! ↻

更優質切削能力 / PROGRESSED CUTTING POWER ! ↻

更高的耐熱度45% / IMPROVED HEAT RESISTANCE ! ↻

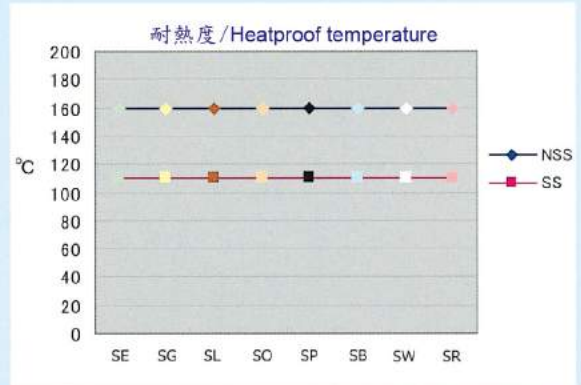
新 NEW Super Stone 提供改進的切削能力、增加的耐熱性和更長的壽命。特別是耐熱性能是約比傳統型多45%。

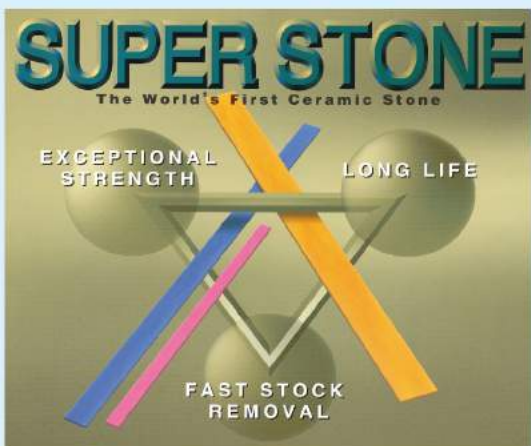
可以用在超聲波拋光機、電動微型磨床、手持式往複式工具，或手推使用 Up to 45% better in the heat resistance.

By enhanced heat resistance, "New SuperStone" can be used not only in reciprocating/rotary handpieces or by hand but also in ultrasonic machining units with great performance.

1. 令人難以置信的研磨力和韌性，甚至在複雜的條件下提供優異的拋光能力
2. 不會堵塞結目，適合在所有金屬小區域或細部精雕拋光
3. 應你的要求可用在任何平面/弧形剖面中使用
4. 粒度提供粗目120到細目1200粒度辨識由不同顏色區分。

- ◎ Incredible strength and flexibility. It will offer excellent polishing ability even under very strenuous condition.
- ◎ Non-clogging. Beautiful polishing result on all typers of metals in small and detailed area.
- ◎ Available in any dimensions in flat/round profiles upon your demand.
- ◎ Available in grit 120 to 1200. Easy to identify by color-coded.





**新日鐵** 超級碳纖油石適用於各種鑄鐵和模具窄縫處研磨，具有耐磨耗及不易折斷的特性。適合模具放電加工後硬化表層之去除。使用於往復式研磨機上，可發揮優異的效果，亦可手持研磨。

The new superstone is used for fine detail polishing. Extremely strong, thin. Best used for putting the final finish on a rib or slot, excellent for EDM removal.

Super Stones are also very effective when used with the Turbo-Lap profilers. Hand polishing with Super Stone is also possible in areas.



粒度 Mesh	#120	#180	#300	#400	#600	#800	#1000	#1200
顏色 Color Code	Green	Gold	Light Brown	Orange	Black	Blue	White	Red

形狀尺寸 Dimension	1x4x100 mm							
型號 Model No.	NSE-104	NSG-104	NSL-104	NSO-104	NSP-104	NSB-104	NSW-104	NSR-104
單價 Price	700	700	700	700	700	700	700	700

形狀尺寸 Dimension	1x6x100 mm							
型號 Model No.	NSE-106	NSG-106	NSL-106	NSO-106	NSP-106	NSB-106	NSW-106	NSR-106
單價 Price	1000	1000	1000	1000	1000	1000	1000	1000

形狀尺寸 Dimension	1x10x100 mm							
型號 Model No.	NSE-110	NSG-110	NSL-110	NSO-110	NSP-110	NSB-110	NSW-110	NSR-110
單價 Price	1200	1200	1200	1200	1200	1200	1200	1200

形狀尺寸 Dimension	φ 3.0x100 mm							
型號 Model No.	NSE-D3	NSG-D3	NSL-D3	NSO-D3	NSP-D3	NSB-D3	NSW-D3	NSR-D3
單價 Price	1300	1300	1300	1300	1300	1300	1300	1300

ARGOFILE — EX 專業電動拋光研磨機 CE



型號 Model	輸入電壓 Power Input	輸出電力來源 Output	保險絲 Fuse (max)	輸出插座 Output socket	尺寸 Size (mm)	重量 (KG)
EXP-120	120V (60/50 Hz)	DC 30V	0.3A×2	2 個獨立可調	200(W)	2.3kg
EXP-230	230V (60/50 Hz)				180(D)	

## Controller

### Controller Features

#### 微電腦控制器

**Micro Computer Control**  
micro computer is built-in and enables to make smooth operation. This will control the best torque for each motor automatically.

#### 負載指示燈

**Load indicator**  
8 steps load indicator allows operator to see the condition clearly. For longer life time, it will be cautioned for overwork.

#### 操作音量控制

**Operation volume control**  
it sounds beeping when pushing button, and also when overworks for cautions. It is possible to adjust sound volume as vol.3, vol.2, vol.1 and none.

#### 無段速腳踏板

#### Auto Cruise Foot Pedal

It is possible to fix the rotation speed when using foot pedal and it is not necessary to keep stepping foot pedal.



#### 功能選擇

#### Mode Selection

Controller automatically finds motor on A or B. It is also possible to use foot pedal only connecting to controller.



weight : 2.3kgs  
Size : 200(W) × 180(D) × 110(H)

#### 轉速指數表

#### Digital Rotation Display

2 digit display can be used for easy adjustment of rotation speed. Appropriate rotation speed for each tool brings out the best performance.

#### 錯誤代碼警示

#### Error Code

When heating up overload and defective of motor cord, error code is displayed for each trouble shooting.

#### 安全警示

#### Self Diagnostic Function

Controller checks the condition of motor and controller for safety reason. When heating up, fan inside the controller start automatically to reduce the temperature.



MICROMOTOR SYSTEM MAXIMA EX



旋轉式超高速研磨機

編號/Model No.	EX-051
轉速/Free speed	55,000 rpm
最大扭力/Max. torque	3.6 N.cm
尺寸/Size	153(L)x 27.5mm(D)
重量/Weight	190 g
頭部+馬達/Head+Motor	JA15+EX05



旋轉式高速研磨機

編號/Model No.	EX-131
轉速/Free speed	35,000 rpm
最大扭力/Max. torque	5.4 N.cm
尺寸/Size	164(L)x 27.5mm(D)
重量/Weight	220 g
頭部+馬達/Head+Motor	JA15+EX13



旋轉式精密研磨機

編號/Model No.	EX-121
轉速/Free speed	20,000 rpm
最大扭力/Max. torque	6.4 N.cm
尺寸/Size	164(L)x 27.5mm(D)
重量/Weight	220 g
頭部+馬達/Head+Motor	JA15+EX12



旋轉式高扭力研磨機

編號/Model No.	EX-201
轉速/Free speed	8,000 rpm
最大扭力/Max. torque	9.8 N.cm
尺寸/Size	176(L)x 31.5mm(D)
重量/Weight	276 g
頭部+馬達/Head+Motor	JA15+EX20



旋轉式低扭力研磨機

編號/Model No.	EX-211
轉速/Free speed	15,000 rpm
最大扭力/Max. torque	8.8 N.cm
尺寸/Size	176(L)x 31.5mm(D)
重量/Weight	276 g
頭部+馬達/Head+Motor	JA15+EX21



旋轉式精密研磨機

編號/Model No.	EX-231
轉速/Free speed	30,000 rpm
最大扭力/Max. torque	6.8 N.cm
尺寸/Size	176(L)x 31.5mm(D)
重量/Weight	276 g
頭部+馬達/Head+Motor	JA15+EX23



90°角型旋轉式研磨機

編號/Model No.	EX-216
轉速/Free speed	15,000 rpm
最大扭力/Max. torque	8.8 N.cm
尺寸/Size	160.5(L)x 31.6(φ)x 45.5mm(H)
重量/Weight	370 g
頭部+馬達/Head+Motor	JR21+EX21



120°角型旋轉式研磨機

編號/Model No.	EX-217
轉速/Free speed	15,000 rpm
最大扭力/Max. torque	8.8 N.cm
尺寸/Size	169.5(L)x 31.6(φ)x 47.5mm(H)
重量/Weight	380 g
頭部+馬達/Head+Motor	JS21+EX21



左右振動銼刀研磨機

編號/Model No.	EX-208
轉速/Free speed	8,000 rpm
最大扭力/Max. torque	9.8 N.cm
尺寸/Size	182(L)x 31.6mm(D)
重量/Weight	310 g
頭部+馬達/Head+Motor	JP11+EX20



往覆式銼刀研磨機

編號/Model No.	RE-35
往覆行程/Linear Stroke	0~6 mm
往覆頻率/Frequency	4,200 Strokes/min
尺寸/Size	140(L)x 128mm(H)
重量/Weight	675 g



往覆式銼刀研磨機

編號/Model No.	RE-55
往覆行程/Linear Stroke	0~2 mm
往覆頻率/Frequency	7,000 Strokes/min
尺寸/Size	140(L)x 128mm(H)
重量/Weight	675 g



迴轉式砂布研磨機

編號/Model No.	BS-33
轉速/Belt speed	5-12 m/sec
環帶尺寸/Size of Belt	4~ 8mm(W)
尺寸/Size	160(L)x 119mm(H)
重量/Weight	400 g

Accessories/選購配件



VC90/ 腳踏開關  
Speed Control Foot Pedal  
Suitable for EXP-120/230



KE50-155/ 延伸線  
Handpiece extension cord  
Length : 3.0 meters



KE50-156/ 轉換配線  
Adaptor for PA111/113



TRCO2/ 工具擱置塊  
Handpiece Cradle



編號/Model No.	UT15(1/4減速)
夾頭/Standard Collet	2.35, 3.0 mm
尺寸/Size	43.5(L)x 26.0(D)mm
重量/Weight	150 g
適用機型/ Applicable motor	EX20, EX21, EX23
(Connected between the motor and head for four times torque and reduce speed one fourth)	



Detachable head



Hand Switch

It is easy to start and stop by Hand Switch.  
It is not necessary to push the button on the controller.

**Head 頭部機型**



編號/Model No.	JA15(標準型)
夾頭/Standard Collet	3.0 mm
尺寸/Size	86.5(L)x 25.8mm(D)
重量/Weight	100 g
適用機型/Applicable motor	EX20, EX21, EX23

編號/Model No.	JA33(強力型)
夾頭/Standard Collet	6.0 mm
尺寸/Size	95.0(L)x 26.4mm(D)
重量/Weight	150 g
適用機型/Applicable motor	EX20, EX21, EX23

編號/Model No.	JA45(細長型)
夾頭/Standard Collet	3.0 mm
尺寸/Size	121.0(L)x 25.8mm(D)
重量/Weight	120 g
適用機型/Applicable motor	EX20, EX21, EX23



編號/Model No.	JR21(90°度)
夾頭/Standard Collet	2.35, 3.0 mm
尺寸/Size	80.5(L)x 25.4(D)x 45.5(H)mm
重量/Weight	200 g
適用機型/Applicable motor	EX20, EX21

編號/Model No.	JS21(120°度)
夾頭/Standard Collet	2.35, 3.0 mm
尺寸/Size	89.5(L)x 25.4(D)x 47.5(H) mm
重量/Weight	210 g
適用機型/Applicable motor	EX20, EX21

編號/Model No.	JP11(左右搖擺)
夾頭/Standard Collet	2.0 ~ 4.7mm
尺寸/Size	102.0(L)x 26.0mm(D)
重量/Weight	140 g
適用機型/Applicable motor	EX20

**Motor 電動馬達**



編號/Model No.	EX-05
轉速/Free speed	55,000 rpm
最大扭力/Max. torque	3.6 N.cm
尺寸/Size	66.5(L)x 27.5mm(D)
重量/Weight	90 g

編號/Model No.	EX-12
轉速/Free speed	20,000 rpm
最大扭力/Max. torque	6.4 N.cm
尺寸/Size	77.0(L)x 27.5mm(D)
重量/Weight	120 g

編號/Model No.	EX-13
轉速/Free speed	35,000 rpm
最大扭力/Max. torque	5.4 N.cm
尺寸/Size	77.0(L)x 27.5mm(D)
重量/Weight	120 g



編號/Model No.	EX-20
轉速/Free speed	8,000 rpm
最大扭力/Max. torque	9.8 N.cm
尺寸/Size	89.3(L)x 31.5mm(D)
重量/Weight	176 g

編號/Model No.	EX-21
轉速/Free speed	15,000 rpm
最大扭力/Max. torque	8.8 N.cm
尺寸/Size	89.3(L)x 31.5mm(D)
重量/Weight	176 g

編號/Model No.	EX-23
轉速/Free speed	30,000 rpm
最大扭力/Max. torque	6.8 N.cm
尺寸/Size	89.3(L)x 31.5mm(D)
重量/Weight	176 g