

水晶纖維油石刷

Cristone Bristles

碗型水晶纖維油石刷

Cup Type



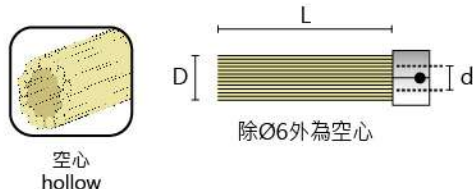
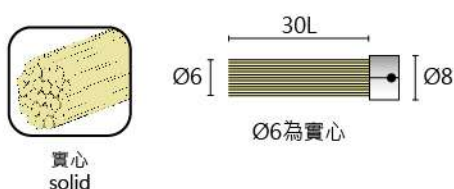
粒度編號及訂購代號 Grit Size & Order No.							
粒度 Grit	#150	#200	#400	#600	#800	#1000	#1200
顏色 Color	Green	Pink	Violet	Orange	Blue	White	Red
線材 Bristle	N (標準) (standard)	N (標準) (standard)	N (標準) (standard)	N (標準) (standard)	N (標準) (standard)	N (標準) (standard)	N (標準) (standard)
Size=D x L x d							
Ø6 x 30L x Ø8	CB31G-00630	CB31P-00630	CB31V-00630	CB31O-00630	CB31B-00630	CB31W-00630	CB31R-00630
Ø15 x 50L x Ø6	CB31G-01550	CB31P-01550	CB31V-01550	CB31O-01550	CB31B-01550	CB31W-01550	CB31R-01550
Ø25 x 75L x Ø9	CB31G-02575	CB31P-02575	CB31V-02575	CB31O-02575	CB31B-02575	CB31W-02575	CB31R-02575
Ø40 x 75L x Ø12	CB31G-04075	CB31P-04075	CB31V-04075	CB31O-04075	CB31B-04075	CB31W-04075	CB31R-04075
Ø60 x 75L x Ø13	CB31G-06075	CB31P-06075	CB31V-06075	CB31O-06075	CB31B-06075	CB31W-06075	CB31R-06075
Ø100 x 75L x Ø17	CB31G-10075	CB31P-10075	CB31V-10075	CB31O-10075	CB31B-10075	CB31W-10075	CB31R-10075

※ 線材有 S(軟)、N(標準)、H(硬) 三種硬度可供選購。

※ You can choose the shape of the bristle from S(soft)、N(standard)、H(hard)

※ 若對線材長度有特殊要求，以 10mm 為一單位增加，請備註完整。

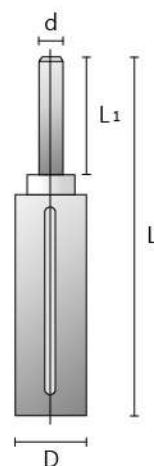
※ Custom-made length of Cristone Bristles is available by increasing or reducing each 10mm.



油石刷夾柄

Holder

夾柄尺寸及訂購代號 Holder Size & Order No.		
型號 Model	尺寸 Size D x L x L ₁ x d (mm)	適用油石刷尺寸 Cristone Bristle Size
XH-CB006	Ø10 x 70 x 30 x Ø6	Ø6
XH-CB015	Ø18.5 x 90 x 30 x Ø6	Ø15
XH-CB025	Ø30 x 140 x 30 x Ø10	Ø25
XH-CB040	Ø45 x 140 x 30 x Ø12	Ø40
XH-CB060	Ø65 x 150 x 35 x Ø12	Ø60
XH-CB100	Ø110 x 162 x 40 x Ø16	Ø100



使用方法

The way to set up

1. 將纖維油石刷置入夾柄內。
To set fiber brush into the holder.



2. 調整刷子的突出長度。
Adjust the length of the fiber brush.



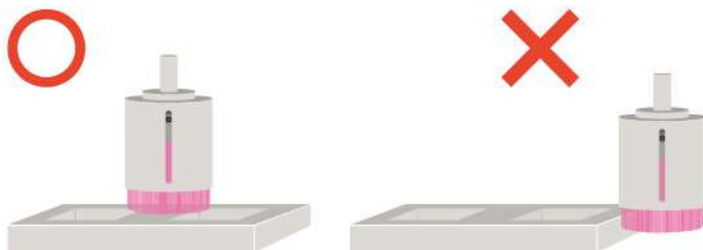
3. 固定
To fix.



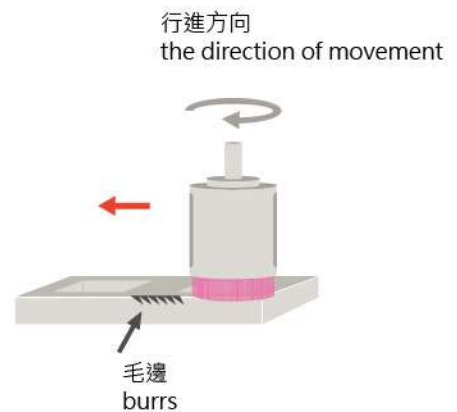
注意事項

The attention to processing

1. 請使用油石刷的末端進行研磨，因為側邊並不具備研磨能力
Please use the tip of the fiber brush for grinding, because the side of the fiber brush does not have grinding force.

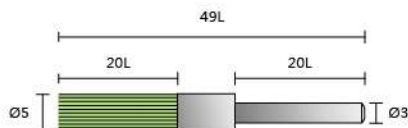


2. 油石刷行進方向與毛邊的方向相反，研磨效果較佳。
To remove burrs on the edge, the Cristone Bristle needs to go the opposite way of burrs, and to have more efficient removing / polishing.



帶柄水晶纖維油石刷

End Type

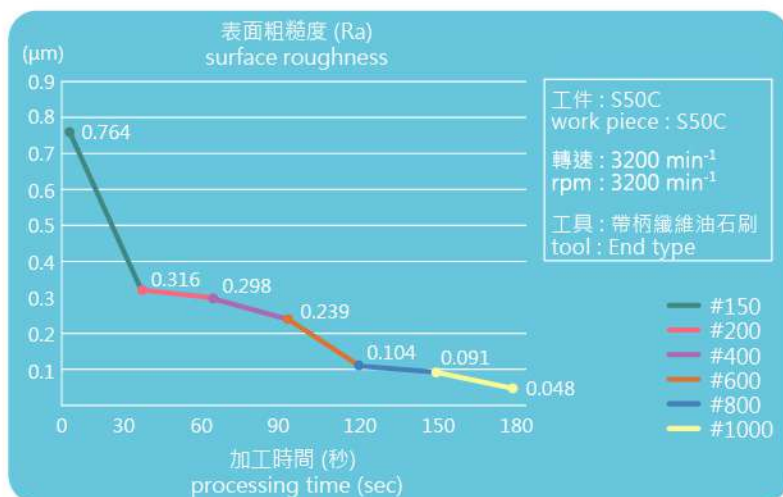


最高使用轉速
Max RPM 8000min⁻¹

粒度編號及訂購代號 Grit Size & Order No.							
粒度 Grit	#150	#200	#400	#600	#800	#1000	#1200
顏色 Color	Green	Pink	Violet	Orange	Blue	White	Red
型號 Model	CBRG-0520-3	CBRP-0520-3	CBRV-0520-3	CBRO-0520-3	CBRB-0520-3	CBRW-0520-3	CBRR-0520-3

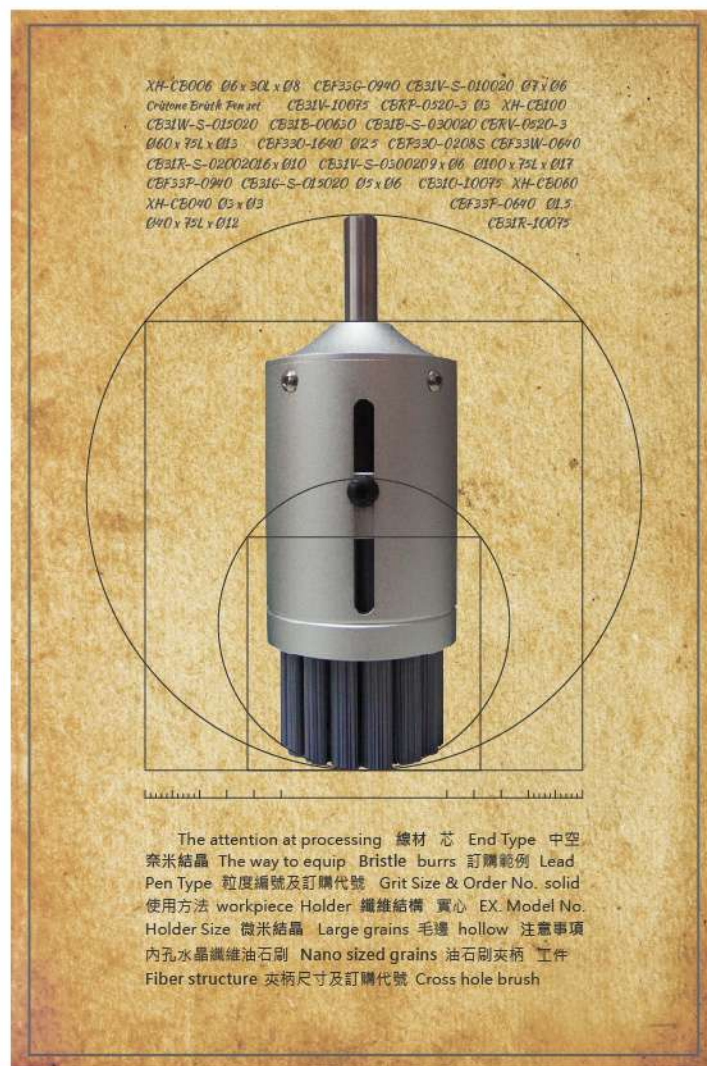
由多支水晶纖維油石製成的帶柄纖維刷，其切削力、使用壽命以及柔軟度更優於一般刷子，能夠有效地去除表面粗糙，且能避免過度切削的情況。

As for the ceramic fiber brush, each one of its bristles is abrasives. It has higher grinding force than ordinal-brush but has a soft touch. It achieves "appropriate" and preventing excessive shaving.



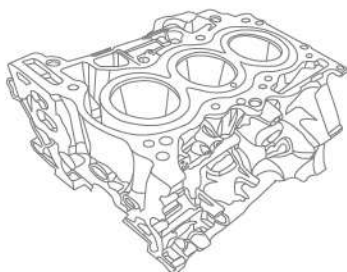
油石刷前端的形狀在經過研磨後，會隨著工件形狀而改變，因此能適用於各種不同種類之工件上。

If you want to make angle on the tip of the brush, turn the brush and shape it by touching the diamond foils and files. By doing this, you can easily dress a tool.



加工範例

Processing examples



車用零件
the parts of automobile

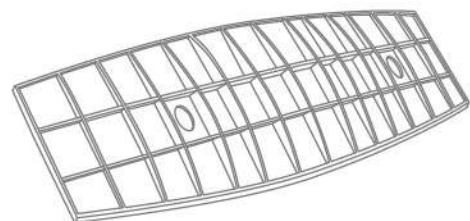
研磨條件 grinding condition

材質：ADC12 work material : ADC12

S 6000 min⁻¹

F 1000 mm / min

D 0.5 mm



飛機零件
the parts of air craft

研磨條件 grinding condition

材質：鋁合金 work material : aluminum alloy

S 6000 min⁻¹

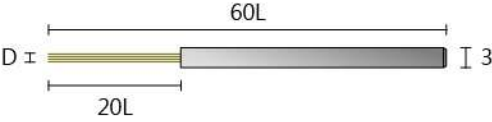
F 1000 mm / min

D 0.5 mm

內孔水晶纖維油石刷
Cross hole brush



形狀
Type

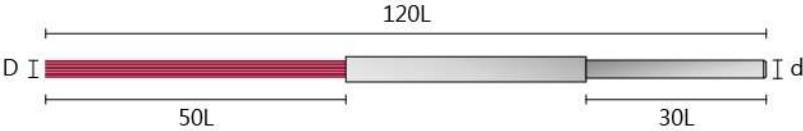


最高使用轉速
Max RPM 14000min⁻¹

粒度編號及訂購代號 Grit Size & Order No.							
粒度 Grit	#150	#200	#400	#600	#800	#1000	#1200
顏色 Color	Green	Pink	Violet	Orange	Blue	White	Red
線材 Bristle	N (標準) (standard)	N (標準) (standard)	N (標準) (standard)	N (標準) (standard)	N (標準) (standard)	N (標準) (standard)	N (標準) (standard)
Size=D							
Ø1	CB31G-S-010020	CB31P-S-010020	CB31V-S-010020	CB31O-S-010020	CB31B-S-010020	CB31W-S-010020	CB31R-S-010020
Ø1.5	CB31G-S-015020	CB31P-S-015020	CB31V-S-015020	CB31O-S-015020	CB31B-S-015020	CB31W-S-015020	CB31R-S-015020
Ø2	CB31G-S-020020	CB31P-S-020020	CB31V-S-020020	CB31O-S-020020	CB31B-S-020020	CB31W-S-020020	CB31R-S-020020
Ø2.5	CB31G-S-025020	CB31P-S-025020	CB31V-S-025020	CB31O-S-025020	CB31B-S-025020	CB31W-S-025020	CB31R-S-025020
Ø3	CB31G-S-030020	CB31P-S-030020	CB31V-S-030020	CB31O-S-030020	CB31B-S-030020	CB31W-S-030020	CB31R-S-030020



形狀
Type



最高使用轉速
Max RPM 14000min⁻¹

粒度編號及訂購代號 Grit Size & Order No.							
粒度 Grit	#150	#200	#400	#600	#800	#1000	#1200
顏色 Color	Green	Pink	Violet	Orange	Blue	White	Red
線材 Bristle	N (標準) (standard)	N (標準) (standard)	N (標準) (standard)	N (標準) (standard)	N (標準) (standard)	N (標準) (standard)	N (標準) (standard)
Size=Dxd							
Ø3 x Ø3	CB31G-M-03050	CB31P-M-03050	CB31V-M-03050	CB31O-M-03050	CB31B-M-03050	CB31W-M-03050	CB31R-M-03050
Ø5 x Ø6	CB31G-M-05050	CB31P-M-05050	CB31V-M-05050	CB31O-M-05050	CB31B-M-05050	CB31W-M-05050	CB31R-M-05050
Ø7 x Ø6	CB31G-M-07050	CB31P-M-07050	CB31V-M-07050	CB31O-M-07050	CB31B-M-07050	CB31W-M-07050	CB31R-M-07050

※ 線材有 S、N、H 三種硬度可供選購。(標準品 N)
You can choose the shape of the bristle from S、N、H.(N is standard)
※ 若對線材長度有特殊要求，以 10mm 為一單位增加，請備註完整。
Custom-made length of Cristone Bristles is available by increasing or reducing each 10mm.

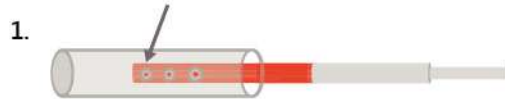
訂購範例
Order EX.
CB31 G - M - 05 050
線材 顏色 形狀 外徑 長度
Bristle Color Type Diameter Length

加工時注意事項

Attention for Cross hole brush

1. 在進入孔內前不要旋轉油石刷。

Do not rotate till you reach the cross hole.



2. 調整轉速後使刷子接觸毛邊，並前後移動油石刷。

Adjust the rotation of the fiber brush to touch the burrs. Process the fiber brush forward and back.



3. 務必確認油石刷已停止轉動，再將其取出，若是在轉動時取出，有可能因為油石刷斷裂而造成危險。

Do not rotate the brush outside of the hole. It is very dangerous if you rotate the brush outside of the hole because it might break. Please make sure to stop the rotation before pulling out the fiber brush from the hole.



加工範例

Processing example

工件：鋁管

工具：內孔研磨刷 Ø5 #1000

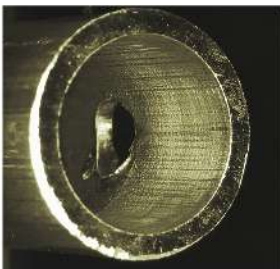
轉速：S 11000 min⁻¹

workpiece : aluminum pipe

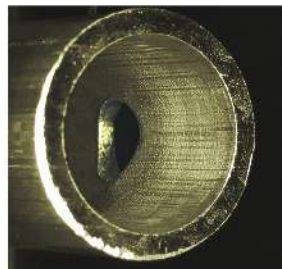
tool : Cross hole brush Ø5 #1000

rpm : S 11000 min⁻¹

before



after



透過旋轉時產生的離心力來展開油石刷，去除內孔側面、底部的毛邊。

Ceramic fiber brush removes burrs by extending the brush rotation. You can remove the burrs of the side and the bottom of the radius cross hole.

筆型水晶纖維油石刷
Pen Type

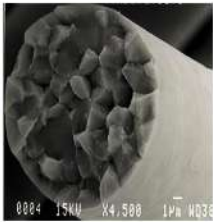


粒度編號及訂購代號 Grit Size & Order No.							
粒度 Grit	#150	#200	#400	#600	#800	#1000	#1200
顏色 Color	Green	Pink	Violet	Orange	Blue	White	Red
線材 Bristle	硬 hard	硬 hard	硬 hard	硬 hard	硬 hard	硬 hard	硬 hard
Cristone Bristle Pen set 筆+芯 (holder+lead)	CBP33G-0208S	CBP33P-0208S	CBP33V-0208S	CBP33O-0208S	CBP33B-0208S	CBP33W-0208S	CBP33R-0208S
Cristone Bristle Pen 芯 (lead)	CBP33G-020080	CBP33P-020080	CBP33V-020080	CBP33O-020080	CBP33B-020080	CBP33W-020080	CBP33R-020080
夾柄 Holder	XH - 200	XH - 200	XH - 200	XH - 200	XH - 200	XH - 200	XH - 200

纖維結構
Fiber structure

水晶纖維油石刷-基於奈米科技的纖維結構。在經過研磨後，端面仍能持續保持鋒利，給您最好的拋光和研磨效率。

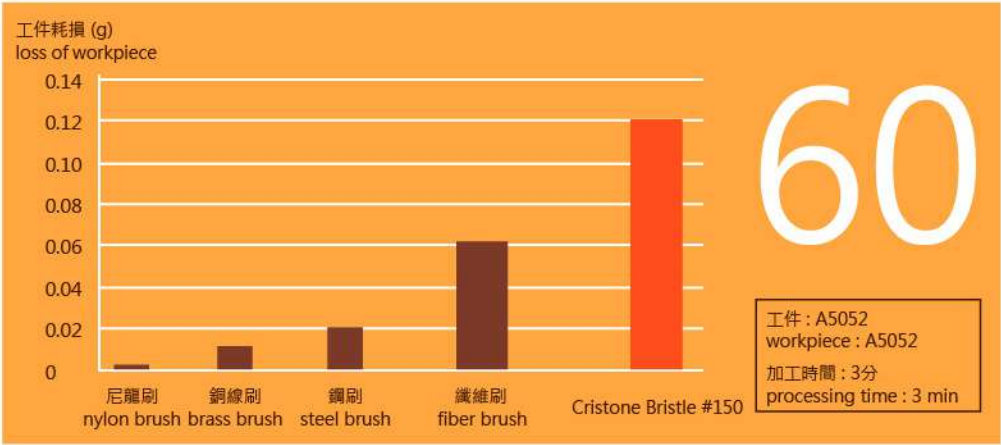
Cristone Bristle structure based on nano technology. After grinding, the Ceramic fibers still keep the sharp well and provide the best polishing performance.



一般纖維油石斷面
Section of general fiber stone
微米結晶
micron (μ) combination



水晶纖維油石刷纖維斷面
Section of Cristone Bristle fiber
奈米結晶
nano (n) combination

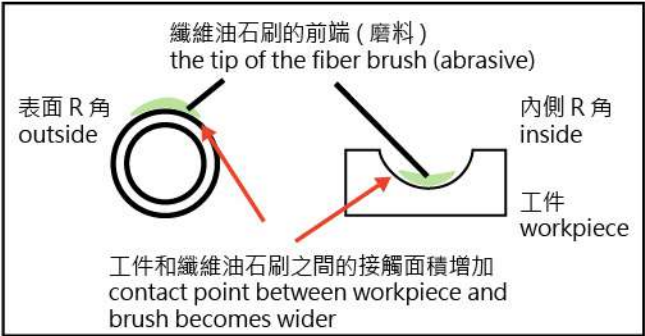
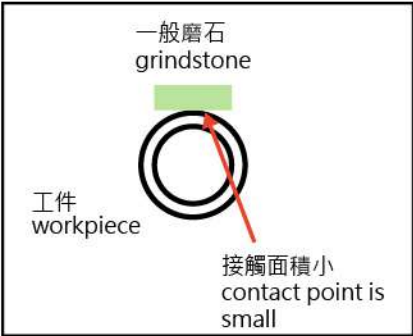


水晶纖維油石刷與帶磨粒的尼龍刷相比，具有高約 60 倍的研磨效率。
"Cristone Bristle" achieves 60 times the grinding performance of nylon brushes with abrasive grain.

手持式水晶纖維油石刷
Writing Brush Type



粒度編號及訂購代號 Grit Size & Order No.							
粒度 Grit	#150	#200	#400	#600	#800	#1000	#1200
顏色 Color	Green	Pink	Violet	Orange	Blue	White	Red
線材 Bristle	硬 hard	硬 hard	硬 hard	硬 hard	硬 hard	硬 hard	硬 hard
Size=W x d							
6 x Ø5	CBF33G-0640	CBF33P-0640	CBF33V-0640	CBF33O-0640	CBF33B-0640	CBF33W-0640	CBF33R-0640
9 x Ø6	CBF33G-0940	CBF33P-0940	CBF33V-0940	CBF33O-0940	CBF33B-0940	CBF33W-0940	CBF33R-0940
16 x Ø10	CBF33G-1640	CBF33P-1640	CBF33V-1640	CBF33O-1640	CBF33B-1640	CBF33W-1640	CBF33R-1640



一般磨石因為接觸面積小，需藉由砂布等工具輔助才能達到有效的研磨，但對於手持式油石刷來說，因其個別的細小油石可獨立地觸及工件表面，使得接觸面積大增，研磨效率亦隨之提升。

For small touching area, the flat type stone is unable to polish, but for brush type which is multifunction to well-polished the area where is curve and 3D shape.



對於不規則形狀之工件有良好的研磨效果。

Cristone Bristle is useful to process for curve and 3D shape.