

# B 鎢鋼端銑刀 Carbide End Mill



鎢鋼端銑刀識別系統 Carbide End Mill Identification System ..... B03 – B04  
 規格圖標指南 Specification Icon Guide ..... B04  
 鎢鋼端銑刀系列加工圖標指南 For Carbide End Mills Series Processing Icon Guide ..... B05  
 鎢鋼端銑刀全系列索引表 Index for Carbide End Mill Series ..... B06 – B14  
 材質銑削推薦表 Recommend Cutting List ..... B15 – B16

## ◎平刀系列 Square Type Series

S-EMM 2000 ..... B18	MUH-IMM 4000-DIN ..... B69
<b>NEW</b> S-EMML 2000L2 ..... B19 – B20	MUH-IPM 3000L1 ..... B70
S-OGM 2000 ..... B21 – B22	MUH-IPM 4000 ..... B71 – B72
<b>NEW</b> EMM 2000 ..... B24 – B26	<b>NEW</b> MUH-IGM 4000 ..... B73
<b>NEW</b> EMM 2000L1 ..... B27 – B30	<b>NEW</b> MUH-IEM 4000 ..... B74
EMM 2000T00 ..... B31	<b>NEW</b> MUH-IYM 4000 ..... B75 – B76
EMM 3000 ..... B32	LUH-IMM 4000 ..... B77
<b>NEW</b> EMM 4000 ..... B33 – B34	<b>NEW</b> MMH-LMM 4000 ..... B79
<b>NEW</b> EMM 4000L1 ..... B35 – B36	<b>NEW</b> MMH-LPM 4000 ..... B80
EPM 2000 ..... B38 – B39	FM-CMM 4000 ..... B81
<b>NEW</b> EPM 3000 ..... B40	<b>NEW</b> RM-CMM 4000 ..... B82
<b>NEW</b> EPM 4000 ..... B41	<b>NEW</b> CFM-CWM ..... B83
GMM 3000 ..... B43	
<b>NEW</b> GMM 4000 ..... B44 – B45	
GMM 6000 ..... B47	
<b>NEW</b> GPM 6000 ..... B48	
<b>NEW</b> MU-EMM 4000 ..... B50 – B51	
<b>NEW</b> MU-GMM 4000 ..... B52 – B56	
<b>NEW</b> MU-GPM 4000 ..... B57	
<b>NEW</b> MU2-GPM 4000 ..... B59 – B60	
<b>NEW</b> MU2-GYM 4000 ..... B61	
<b>NEW</b> MUH-FMM 4000 ..... B62	
MUH-FPM 4000 ..... B63	
MUH-GMM 4000 ..... B64	
MUH-IMM 4000 ..... B67 – B68	

## ◎球頭刀系列 Ball Nose Type Series

S-EMB 2000 ..... B84
S-EMB 2000L2 ..... B85
S-EPB 2000 ..... B86
<b>NEW</b> EMB 2000 ..... B87 – B89
<b>NEW</b> EMB 2000L2 ..... B90 – B91
<b>NEW</b> EMB 4000 ..... B92 – B93
EWB 2000 ..... B94
<b>NEW</b> EPB 2000 ..... B95
<b>NEW</b> EPB 4000 ..... B96
EEB 2000 ..... B97
DMB 2000 ..... B98
DWB 2000L2 ..... B99
DPB 2000 ..... B100

## ◎拋物線弧形加工刀系列 Parabolic Arc Machining Series

PA-DPB ..... B102
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## ◎內R角刀系列 Inner R Series

EPU 4000L1 ..... B104
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# B 鎢鋼端銑刀 Carbide End Mill



## ◎圓鼻刀系列 Corner Radius Type Series

DMR 2000R00 ..... B105 – B106
<b>NEW</b> DMR 2000R00L2 ..... B107
<b>NEW</b> DMR 4000R00 ..... B108 – B110
<b>NEW</b> DPR 4000R00 ..... B111
GPR 6000R00 ..... B112
<b>NEW</b> PH-FMR 4000R00 ..... B113
<b>NEW</b> PH-FPR 4000R00 ..... B114 – B115
<b>NEW</b> PH-FER 4000R00 ..... B116
<b>NEW</b> PH-FPC 4000C00 ..... B117
<b>NEW</b> SUH-FMR 5000R00L1-DIN ..... B119
<b>NEW</b> SUH-FYR 4000R00 ..... B121 – B122

## ◎定位、倒角刀系列 Position vs Chamfer Series

CC-AMC ..... B123
CR-AMC ..... B124
DT-DMC 2000 ..... B125
DC-DMC 2000 ..... B126
DR-DMC 2000 ..... B127
DC-DWC 2000 ..... B128
DR-DWC 2000 ..... B129
DC-DPC 2000 ..... B130
<b>NEW</b> DC-DMM 2000 ..... B131
<b>NEW</b> DR-DMM 2000 ..... B132
<b>NEW</b> DCC-AMC-DIN ..... B133
<b>NEW</b> DCH-YMC 2000 ..... B134
<b>NEW</b> DCM-EPC 3000 ..... B135

## ◎外R倒角刀系列 Outer R Chamfer Series

<b>NEW</b> AMI 2000 ..... B137
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## ◎T型槽刀系列 T-Slot Series

<b>NEW</b> AMT ..... B138
<b>NEW</b> AMT ..... B139
<b>NEW</b> AWH ..... B140

## ◎雕刻端銑刀系列 Engraving End Mill Series

E180-AWA 1000L1 ..... B141
E030-AWC 1000L1 ..... B142

## ◎鋁合金專用刀系列 Aluminum Type Series

GMA 2000 ..... B143
<b>NEW</b> GMA 3000 ..... B144 – B145
HMA 2000 ..... B146 – B147
HMA 3000 ..... B148
<b>NEW</b> LU2-GWA 3000 ..... B149
<b>NEW</b> MU2-GMA 3000 ..... B150
<b>NEW</b> MU2-HMA 3000 ..... B151
<b>NEW</b> MU3-JMA 3000 ..... B154

## 鎢鋼端銑刀識別系統

Carbide End Mill Identification System

MUH - E M M L



## 1 特徵 Feature

記號 Symbol	特徵 Feature	記號 Symbol	特徵 Feature
S	微小徑 Micro Diameter		
E180	平行雕刻 Engraving Blanks Precision Ground		
E090	90°精細刻字 90° Engraving Blanks Precision Ground		
E060	60°精細刻字 60° Engraving Blanks Precision Ground		
E030	30°精細刻字 30° Engraving Blanks Precision Ground		
MMH	平溝不等分割 Flat Land Uneven Division		
MU	圓溝 Rounded Land		
MU2	圓溝 2 離隙 Rounded Land Double Edge		
MU3	圓溝 3 離隙 Rounded Land Triple Edge		
MUH	圓溝不等分割 Rounded Land Unequal Division		
KUH	圓溝不等分割鑄鐵加工用 Round Land Unequal Split for Cast Iron Processing		
LUH	圓溝不等分割車銑複合 Round Land Unequal Split For Turning And Milling Center		
LU2	圓溝 2 離隙車銑複合 Rounded Land Double Edge For Turning And Milling Center		
SUH	圓溝不等分割高進給 Round Land Unequal Division High Feed		
PA	拋物線弧形加工 Parabolic Arc Machining		
PH	不等分割非圓溝 Unequal Division Non-Round Land		
DT	60°夾角定位 Positioning Angle 60°	DC	90°夾角定位 Positioning Angle 90°
DS	80°夾角定位 Positioning Angle 80°	DR	120°夾角定位 Positioning Angle 120°
DCC	90°夾角倒角 Chamfering 90°		
DCH	90°夾角保護倒角定位 90° Angle Reinforced Chamfering		
DCM	90°夾角定位倒角銑削 Position vs Chamfering Machining 90°		
RU	圓溝粗加工粗銑 Rounded Land Roughing		
CU	圓溝中工粗銑 Rounded Land Medium Roughing		
FU	圓溝精加工粗銑 Rounded Land Finishing Roughing	RM	粗加工粗銑 Fine Pitch & Roughing
FM	精加工粗銑 Fine Pitch & Finishing Roughing	CFM	複合材料精加工 For Composites Finishing
CM	中加工粗銑 Fine Pitch & Medium Roughing		
V	鳩尾型槽 Dovetail Groove		
VV	雙刃鳩尾型槽 Double-Edge Dovetail Groove		
CB	30°V型鳩尾型槽 V-Type Dovetail Groove 30°	CC	90°V型鳩尾型槽 V-Type Dovetail Groove 90°
CR	60°V型鳩尾型槽 V-Type Dovetail Groove 60°	CE	140°V型鳩尾型槽 V-Type Dovetail Groove 140°
BS	沉頭孔專用 For Countersunk Screws		

2 000 XXX - DIN



## 2 螺旋角 Helix Angle

記號 Symbol	角度 Angle
A	0°
B	20°
C	25°
D	30°
E	35°
F	35° / 38°
G	45°
H	55°
I	42° / 45°
J	50°
K	38° / 40°
L	39° / 41°
M	120°
O	40°
P	38°
S	8°
V	10°
Y	12°

## 3 材質 Grade

記號 Symbol	材質 Grade
B	B500
E	E300
G	G300
H	H300
M	M500
P	P500
W	W500
Y	Y500

## 4 用途 Application

記號 Symbol	說明 Explanation
M	平刀 Square
B	球頭 Ball Nose
U	內R角 Inner Radius
R	圓鼻刀 Corner Radius
C	倒角 Chamfer
I	外R角 Outer Radius
T	T型刀 T Type
A	鋁用刀 Aluminum

## 8 其他 Other

R□□	R角 Radius ex : R02=R0.2mm	特殊全長 (mm) Special L.F.	C:50	D:60	E:175
T□□	錐度角度 Tapered ex : T005=0.5°		H:100	M:150	R:200
C□□	倒角長度 Chamfer Length ex : C02=0.2mm	CW	切削寬度 Cutting Width		
D□□	特殊柄徑 Special Shank Diameter ex : D6=6mm	X□□□□	特殊角度 Special Angle ex : X40.45=鳩尾槽刀刃角40°，導角45° The angle of dove tail mill is 40°, chamfering is 45°.		
L1	特殊刃切長度 Special Flute Length				
L2	特殊可使用長度 Special Length				

## 規格圖標指南

Specification Icon Guide

圖標 Icon	說明 Explanation	圖標 Icon	說明 Explanation
	超微粒子超硬合金 Micro Grain Carbide		AlTiN 鋁鈦氮塗層
			TiSiN 鈦鈦塗層
			TSB 藍鑽塗層
			TSY 難削材塗層
	精度單位 Accuracy		材質 Grade
			螺旋角度 Helix Angle
	含鈷量 Cobalt Content		
	可被切削材硬度 Hardness Of Workpiece		

## 加工圖標指南

Processing Icon Guide

圖標 Icon	說明 Explanation	圖標 Icon	說明 Explanation	圖標 Icon	說明 Explanation	圖標 Icon	說明 Explanation
	圓孔倒角 Chamfer Of Rounding Hole		平面銑削 Slab Milling		V角開槽 V Corner Slotced		側銑 Side Milling
	圓孔外R倒角 Round Hole Outside R Chamfering		斜度坡走銑 Angular Plunge Grinding		倒角 Chamfer		斜面側銑 Incline Side Milling
	背面V槽 Back Side V Type Groove		全開槽 Full Slot		V型開槽 V Type Slotced		側面倒角 Side Chamfering
	平面螺旋銑削 Spiral Face Milling		R角開槽 R Corner Slotced		內R角倒角 Internal R Corner Chamfer		內R開槽 Internal R Slotced
	R角螺旋銑削 Spiral Radius Corner Milling		R溝槽 R Slot		外R倒角 Outer R Chamfer		定位加工 Position Processing
	圓型螺旋銑削 Spiral Ball Surface Milling		C角開槽 C Corner Slotced		背面倒角 Back Chamfering		拋物線加工 Parabolic Milling
	段差平面加工 Step Plane Machining		T型槽銑 T Type Solt		背面內R倒角 Backside Inner R Chamfering		曲面銑削 Surface Milling
	R角段差加工 Step Radius Corner Machining		R角T型槽銑 R Corner T Type Solt		倒角側銑 Chamfer Side Milling		仿型銑削 Profile Milling
	雕刻銑削 Carving Milling		R角側銑 R Corner Side Milling		內倒角 Internal Chamfer		

## 平刀系列索引表

Index for Square Type Series



























	產品形狀 Item Style	柄部直徑 (mm) Shank	規格圖標 Description	頁碼 Page
	S-EMM 2000	Ø4	MG	B18
NEW	S-EMML 2000L2	Ø4	MG	B19 - B20
	S-OGM 2000	Ø4 Ø6	MG	B21 - B22
NEW	EMM 2000	Ø4 Ø10 Ø16 Ø6 Ø12 Ø20 Ø8 Ø14	MG	B24 - B26
NEW	EMM 2000L1	Ø4 Ø10 Ø6 Ø12 Ø8	MG	B27 - B30
	EMM 2000T00	Ø4 Ø10 Ø6 Ø8	MG	B31
	EMM 3000	Ø4 Ø10 Ø6 Ø12 Ø8 Ø16	MG	B32
NEW	EMM 4000	Ø4 Ø10 Ø20 Ø6 Ø12 Ø8 Ø16	MG	B33 - B34
NEW	EMM 4000L1	Ø4 Ø10 Ø16 Ø6 Ø12 Ø20 Ø8 Ø14	MG	B35 - B36
NEW	EPM 2000	Ø4 Ø10 Ø6 Ø12 Ø8	MG	B38 - B39
NEW	EPM 3000	Ø6 Ø8 Ø10	MG	B40
NEW	EPM 4000	Ø4 Ø10 Ø6 Ø12 Ø8 Ø16	MG	B41
NEW	GMM 3000	Ø4 Ø10 Ø6 Ø12 Ø8	MG	B43
NEW	GMM 4000	Ø4 Ø10 Ø20 Ø6 Ø12 Ø25 Ø8 Ø16	MG	B44 - B45
	GMM 6000	Ø4 Ø10 Ø20 Ø6 Ø12 Ø25 Ø8 Ø16	MG	B47

	產品形狀 Item Style	柄部直徑 (mm) Shank	規格圖標 Description	頁碼 Page
NEW	GPM 6000	Ø4 Ø10 Ø20 Ø6 Ø12 Ø25 Ø8 Ø16	MG $\frac{UM}{0.5}$ CO 12% HRC <60 P 500 45 TiSin	B48
NEW	MU-EMM 4000	Ø4 Ø10 Ø20 Ø6 Ø12 Ø8 Ø16	MG $\frac{UM}{0.5}$ CO 12% HRC <55 M 500 35 Altin	B50 – B51
NEW	MU-GMM 4000	Ø4 Ø10 Ø20 Ø6 Ø12 Ø8 Ø16	MG $\frac{UM}{0.5}$ CO 12% HRC <55 M 500 45 Altin	B52 – B56
NEW	MU-GPM 4000	Ø4 Ø10 Ø6 Ø12 Ø8 Ø16	MG $\frac{UM}{0.5}$ CO 12% HRC <60 P 500 45 TiSin	B57
NEW	MU2-GPM 4000	Ø4 Ø10 Ø20 Ø6 Ø12 Ø8 Ø16	MG $\frac{UM}{0.5}$ CO 12% HRC <60 P 500 45 TiSin	B59 – B60
NEW	MU2-GYM 4000	Ø4 Ø10 Ø6 Ø12 Ø8 Ø16	MG $\frac{UM}{0.5}$ CO 12% HRC <60 Y 500 45 TSY	B61
	MUH-FMM 4000	Ø4 Ø10 Ø20 Ø6 Ø12 Ø8 Ø16	MG $\frac{UM}{0.5}$ CO 12% HRC <55 M 500 35 Altin	B62
NEW	MUH-FPM 4000	Ø4 Ø10 Ø20 Ø6 Ø12 Ø8 Ø16	MG $\frac{UM}{0.5}$ CO 12% HRC <60 P 500 35 TiSin	B63
	MUH-GMM 4000	Ø4 Ø10 Ø20 Ø6 Ø12 Ø8 Ø16	MG $\frac{UM}{0.5}$ CO 12% HRC <55 M 500 45 Altin	B64
NEW	MUH-IMM 4000	Ø4 Ø10 Ø20 Ø6 Ø12 Ø8 Ø16	MG $\frac{UM}{0.5}$ CO 12% HRC <55 M 500 42 Altin	B67 – B68
	MUH-IMM 4000 -DIN	Ø4 Ø10 Ø20 Ø6 Ø12 Ø8 Ø16	MG $\frac{UM}{0.5}$ CO 12% HRC <55 M 500 42 Altin	B69
	MUH-IPM 3000L1	Ø4 Ø10 Ø6 Ø12 Ø8 Ø16	MG $\frac{UM}{0.5}$ CO 12% HRC <60 P 500 42 TiSin	B70
	MUH-IPM 4000	Ø4 Ø10 Ø20 Ø6 Ø12 Ø8 Ø16	MG $\frac{UM}{0.5}$ CO 12% HRC <60 P 500 42 TiSin	B71 – B72
NEW	MUH-IGM 4000	Ø4 Ø10 Ø20 Ø6 Ø12 Ø8 Ø16	MG $\frac{UM}{0.5}$ CO 10% HRC <55 G 500 42 Altin	B73
NEW	MUH-IEM 4000	Ø4 Ø10 Ø20 Ø6 Ø12 Ø8 Ø16	MG $\frac{UM}{0.5}$ CO 10% HRC <60 E 500 42 TiSin	B74
NEW	MUH-IYM 4000	Ø4 Ø10 Ø6 Ø12 Ø8 Ø16	MG $\frac{UM}{0.5}$ CO 12% HRC <60 Y 500 42 TSY	B75 – B76

	產品形狀 Item Style	柄部直徑 (mm) Shank	規格圖標 Description	頁碼 Page
	LUH-IMM 4000	Ø6 Ø8 Ø10	MG $\frac{UM}{0.5}$ CO 12% HRC <55 M 500 42 Altin	B77
NEW	MMH-LMM 4000	Ø4 Ø10 Ø6 Ø12 Ø8 Ø16	MG $\frac{UM}{0.5}$ CO 12% HRC <55 M 500 39 Altin	B79
NEW	MMH-LPM 4000	Ø4 Ø10 Ø6 Ø12 Ø8 Ø16	MG $\frac{UM}{0.5}$ CO 12% HRC <60 P 500 39 TiSin	B80
	FM-CMM 4000	Ø6 Ø12 Ø8 Ø16 Ø10	MG $\frac{UM}{0.5}$ CO 12% HRC <55 M 500 25 Altin	B81
NEW	RM-CMM 4000	Ø4 Ø10 Ø6 Ø12 Ø8 Ø16	MG $\frac{UM}{0.5}$ CO 12% HRC <55 M 500 25 Altin	B82
NEW	CFM-CWM	Ø4 Ø8 Ø5 Ø10 Ø6 Ø12	MG $\frac{UM}{0.5}$ CO 12% W 500 25	B83



## 球頭刀系列索引表

Index for Ball Nose Type Series

產品形狀 Item Style	柄部直徑 (mm) Shank	規格圖標 Description	頁碼 Page
S-EMB 2000 	Ø4		B84
S-EMB 2000L2 	Ø4		B85
S-EPB 2000 	Ø4		B86
<b>NEW</b> EMB 2000 	Ø3 Ø6 Ø12 Ø4 Ø8 Ø16 Ø5 Ø10 Ø20		B87 – B89
<b>NEW</b> EMB 2000L2 	Ø4 Ø6 Ø8		B90 – B91
EMB 4000 	Ø4 Ø10 Ø20 Ø6 Ø12 Ø8 Ø16		B92 – B93
EWB 2000 	Ø4 Ø10 Ø6 Ø12 Ø8		B94
<b>NEW</b> EPB 2000 	Ø3 Ø8 Ø16 Ø4 Ø10 Ø20 Ø6 Ø12		B95
<b>NEW</b> EPB 4000 	Ø4 Ø10 Ø20 Ø6 Ø12 Ø8 Ø16		B96
EEB 2000 	Ø4 Ø10 Ø6 Ø12 Ø8		B97
DMB 2000 	Ø4 Ø10 Ø6 Ø12 Ø8		B98
DWB 2000L2 	Ø4		B99
DPB 2000 	Ø6 Ø10		B100


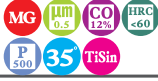
## 拋物線弧形加工刀索引表

Index for Parabolic Arc Machining Series

產品形狀 Item Style	柄部直徑 (mm) Shank	規格圖標 Description	頁碼 Page
PA-DPB 	Ø6 Ø12 Ø8 Ø10		B102



## 內R角刀索引表

Index for Inner R Type Series

產品形狀 Item Style	柄部直徑 (mm) Shank	規格圖標 Description	頁碼 Page
EPU 4000L1 	Ø4 Ø10 Ø6 Ø12 Ø8 Ø16		B104



























## 圓鼻刀系列索引表

Index for Corner Radius Type Series

產品形狀 Item Style	柄部直徑 (mm) Shank	規格圖標 Description	頁碼 Page
DMR 2000R00 	Ø4 Ø10 Ø6 Ø12 Ø8		B105-B106
<b>NEW</b> DMR 2000R00L2 	Ø4 Ø10 Ø6 Ø12 Ø8		B107
<b>NEW</b> DMR 4000R00 	Ø3 Ø8 Ø16 Ø4 Ø10 Ø6 Ø12		B108-B110
<b>NEW</b> DPR 4000R00 	Ø3 Ø4 Ø8		B111
GPR 6000R00 	Ø6 Ø12 Ø8 Ø16 Ø10 Ø20		B112
<b>NEW</b> PH-FMR 4000R00 	Ø4 Ø10 Ø6 Ø12 Ø8 Ø16		B113
<b>NEW</b> PH-FPR 4000R00 	Ø4 Ø10 Ø6 Ø12 Ø8		B114-B115
PH-FER 4000R00 	Ø4 Ø10 Ø6 Ø12 Ø8		B116
<b>NEW</b> PH-FPC 4000C00 	Ø4 Ø10 Ø6 Ø12 Ø8 Ø16		B117
<b>NEW</b> SUH-FMR 5000R00L1-DIN 	Ø6 Ø12 Ø8 Ø16 Ø10 Ø20		B119
<b>NEW</b> SUH-FYR 4000R00 	Ø4 Ø10 Ø20 Ø6 Ø12 Ø8 Ø16		B121-B122

## 定位、倒角刀系列索引表

Index for Position vs Chamfer Series

產品形狀 Item Style	柄部直徑 (mm) Shank	規格圖標 Description	頁碼 Page
CC-AMC 	Ø6 Ø12 Ø8 Ø10		B123
CR-AMC 	Ø6 Ø12 Ø8 Ø10		B124
DT-DMC 2000 	Ø3 Ø6 Ø12 Ø4 Ø8 Ø16 Ø5 Ø10 Ø20		B125
DC-DMC 2000 	Ø3 Ø6 Ø12 Ø4 Ø8 Ø16 Ø5 Ø10 Ø20		B126
DR-DMC 2000 	Ø3 Ø6 Ø12 Ø4 Ø8 Ø16 Ø5 Ø10 Ø20		B127
DC-DWC 2000 	Ø3 Ø6 Ø16 Ø4 Ø8 Ø5 Ø10		B128
DR-DWC 2000 	Ø3 Ø6 Ø16 Ø4 Ø8 Ø5 Ø10		B129
DC-DPC 2000 	Ø3 Ø6 Ø12 Ø4 Ø8 Ø16 Ø5 Ø10 Ø20		B130
<b>NEW</b> DC-DMM 2000 	Ø4 Ø10 Ø20 Ø6 Ø12 Ø8 Ø16		B131
DR-DMM 2000 	Ø6 Ø12 Ø8 Ø16 Ø10 Ø20		B132
<b>NEW</b> DCC-AMC-DIN 	Ø4 Ø10 Ø6 Ø12 Ø8		B133
<b>NEW</b> DCH-YMC 2000 	Ø3 Ø6 Ø12 Ø4 Ø8 Ø16 Ø5 Ø10 Ø20		B134
DCM-EPC 3000 	Ø3 Ø8 Ø4 Ø10 Ø6 Ø12		B135





## 外R倒角刀索引表

Index for Outer R Chamfer Series

產品形狀 Item Style	柄部直徑 (mm) Shank	規格圖標 Description	頁碼 Page
 NEW AMI 2000	Ø4 Ø12 Ø6 Ø16 Ø8		B137

## T型槽刀索引表

Index for T-Type Slot Series

產品形狀 Item Style	柄部直徑 (mm) Shank	規格圖標 Description	頁碼 Page
 NEW AMT	Ø8 Ø12		B138
 NEW AMT	Ø6 Ø12 Ø8 Ø10		B139
 NEW AWH	Ø8		B140

## 鋁用雕刻刀系列索引表

Index for Engraving For Aluminum Series

產品形狀 Item Style	柄部直徑 (mm) Shank	規格圖標 Description	頁碼 Page
 E180-AWA 1000L1	Ø3 Ø6 Ø12 Ø4 Ø8 Ø5 Ø10		B141
 E030-AWC 1000L1	Ø3 Ø6 Ø4 Ø5		B142

## 鋁合金專用鎢鋼端銑刀索引表

Index for Aluminum Type Carbide End Mill Series

產品形狀 Item Style	柄部直徑 (mm) Shank	規格圖標 Description	頁碼 Page
 GMA 2000	Ø6 Ø8 Ø10		B143
 NEW GMA 3000	Ø4 Ø10 Ø20 Ø6 Ø12 Ø8 Ø16		B144-B145
 HMA 2000	Ø4 Ø10 Ø6 Ø12 Ø8 Ø16		B146-B147
 HMA 3000	Ø4 Ø10 Ø20 Ø6 Ø12 Ø8 Ø16		B148
 NEW LU2-GWA 3000	Ø6 Ø10		B149
 NEW MU2-GMA 3000	Ø4 Ø9 Ø16 Ø6 Ø10 Ø20 Ø8 Ø12		B150
 NEW MU2-HMA 3000	Ø4 Ø10 Ø6 Ø12 Ø8 Ø16		B151
 NEW MU3-JMA 3000	Ø4 Ø8 Ø16 Ø5 Ø10 Ø20 Ø6 Ø12		B154

# 材質銑削推薦表

Recommend Cutting List

◎第一推薦 First recommend  
○第二推薦 Second recommend

塗層材質分類 Coating Material Classification	適用領域建議 Suit Filed Suggestion			P	M	K	X	N	H	S						
	高精度 High Precision	輕切削 Light Cutting	重切削 Roughing Cutting	一般鋼 Steel	合金鋼 Alloy Steel	碳鋼 Carbon Steel	不鏽鋼 Stainless Steel	鑄鐵 Cast Iron	銅 Copper	鋁合金 Aluminum	複合材質 Composites	高硬度材 High Hardness Material	難切削材 Hard to Cut Material			
平刀塗層 Square End Mill Coating (PVD)					MUH-IGM	◎	◎	○	◎	◎			○			
					MUH-IEM	◎	◎	◎	○	◎					○	
					MUH-IYM											
					MUH-IPM、MUH-FPM、 MMH-LPM	◎	◎	◎	○	◎						○
					MUH-IMM、MUH-IMM-DIN、 MMH-LMM、LUH-IMM	◎	◎	○	◎	◎						
					MUH-GMM、MUH-FMM	◎	◎	○	◎	◎						
					EPM、GPM、OGM	◎	◎	◎	○	◎						○
					MU2-GPM、MU-GPM	◎	◎	◎	○	◎						○
					MU-GMM、MU-EMM	◎	◎	○	◎	◎						
					EMM、GMM	◎	◎	○	◎	◎						
圓鼻刀塗層 Corner Radius Type Coating (PVD)					SUH-FYR		○		◎							
					SUH-FMR	◎	◎	◎	○	◎						
					PH-FPR、PH-FPC	◎	◎	◎	○	◎						
					DPR、GPR、PH-FER、PH-FMR	◎	◎	◎	○	◎					○	
					DMR	◎	◎	○	◎	◎						
球頭刀塗層 Ball Nose Type Coating (PVD)					PA-DPB	○	○	◎	◎							
					EEB	◎	◎	◎	○	◎				○		
					EPB、DPB	○	○	◎	◎							
					EMB	◎	◎	○	◎	◎					○	
					DMB	◎	◎	◎	○	◎					○	
					EWB、DWB							○	◎			

# 材質銑削推薦表

Recommend Cutting List

◎第一推薦 First recommend  
○第二推薦 Second recommend

塗層材質分類 Coating Material Classification	適用領域建議 Suit Filed Suggestion			P	M	K	X	N	H	S						
	高精度 High Precision	輕切削 Light Cutting	重切削 Roughing Cutting	一般鋼 Steel	合金鋼 Alloy Steel	碳鋼 Carbon Steel	不鏽鋼 Stainless Steel	鑄鐵 Cast Iron	銅 Copper	鋁合金 Aluminum	複合材質 Composites	高硬度材 High Hardness Material	難切削材 Hard to Cut Material			
內R角刀塗層 Inner Radius Type Coating (PVD)					EPU	◎	◎	◎	○	◎			○			
外R角刀塗層 Outer Radius Countersink Type Coating (PVD)					AMI	◎	◎	◎	◎	○	○					
T型槽刀塗層 T-Type Slot Coating (PVD)					AMT	◎	◎	◎	◎	○	○					
倒角刀塗層 Countersink Coating (PVD)					DC-DWC						○	◎				
					DC-DPC、DCC-AMC-DIN、 DCM-EPC、DCH-YMC	◎	◎	◎	◎	◎						○
					DC-DMC、DR-DMC、 DT-DMC、DC-DMM	◎	◎	○	◎	◎						
					CC-AMC、CR-AMC	◎	◎	○	◎	◎						
粗、精 銑刀塗層 Roughing vs. Finishing Cutter Coating (PVD)						CFM-CWM					○	○	◎			
						FM-CMM、RM-CMM	◎	◎	○	◎	◎		○			
鋁用銑刀 (無塗層) Aluminum Carbide End Mill Without Coating					MU3-JMA						○	◎				
					MU2-GMA、LU2-GMA MU2-HMA						○	◎				
					GMA							○	◎			
					HMA								○	◎		
					E180-AWA E030-AWC									○	◎	