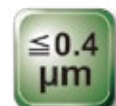


小徑難切削加工

Minor Diameter End Mills for Hardworking Material

M.C.T 之特性：

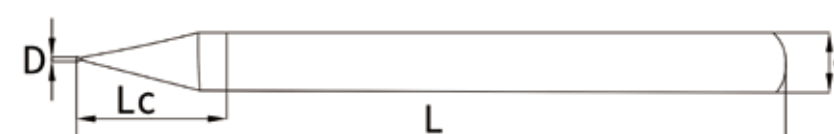
- 1.磁浮銑刀有極低摩擦係數加工不產生高溫、無靜電、垂直度高，且熱能由鐵屑排出，工件不變型、尺寸穩定。
M.C.T. has low coefficient of friction can avoids generating static electricity and resists high temperature during metal processing due to the heat freeing from chippings. It features perpendicular Lines at right angles, no deformation or uneven surface on material.
- 2.排熱性極佳，且耐高溫(約700°C)可在高溫下高速加工，能縮短工時、提高產能。
Good in heat rejection and resistance(700°C), usability of high-speed and high tempture processing to shorten working hours and heighten productivity.
- 3.特殊材質又硬又韌，刀口呈負角，可加工熱處理材質 $\leq \text{HRC}65^\circ$
Feature in rigidity and hardness. Rigid negative rake angle edge to prevent chippings at corner, and material of heat treatment $\leq \text{HRC}65^\circ$
- 4.刃徑 1mm 以下時，刃長為刃徑 2D，且為 2 刃。
Cutting length is 2D with 2 flutes while diameter is under 1 mm.
- 5.刃徑 1mm(含) 以上時，刃長為刃徑 3D，且為 4 刃。
Cutting length is 3D with 4 flutes while it is above 1 mm.
- 6.可訂製非標尺寸。
Customize available.
- 7.可高速排熱、乾式切削，且環保無污染。
Good in heat rejection and can cutting without cutting fluid and pollution.



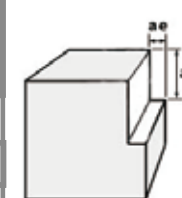
產品編號 Item Code	刃徑 Diameter	刃長 Cutting Length	全長 O.A.L	柄徑 Shank Dia.	刃數 Teeth	牌價 Price
VOV0.150.350S2	0.15	0.3	50	4	S2	
VOV0.20.450S2	0.2	0.4	50	4	S2	
VOV0.250.550S2	0.25	0.5	50	4	S2	
VOV0.30.650S2	0.3	0.6	50	4	S2	
VOV0.350.750S2	0.35	0.7	50	4	S2	
VOV0.40.850S2	0.4	0.8	50	4	S2	
VOV0.450.950S2	0.45	0.9	50	4	S2	
VOV0.51.050S2	0.5	1	50	4	S2	
VOV0.551.150S2	0.55	1.1	50	4	S2	

長刃小徑難切削加工

Lengh Minor Diameter End Mills for Hardworking Material



被切削材 Work	切削深度 Depth	切削環境 Environment		刃徑 Dia	Φ6 (mm)	Φ8	Φ10	Φ12	
難切削材 Hardworking Material	ap: 1.5D ae: 0.1D	乾式 Dry	VC: 70 (m/min)	rpm	3669	2752	2205	1838	
				fz	0.03	0.05	0.08	0.1	
				F	220	275	353	368	
				HRC≤55°，VC:150m/min					



產品編號 Item Code	刃徑 Diameter	刃長 Cutting Length	全長 O.A.L	柄徑 Shank Dia.	刃數 Teeth	牌價 Price
VOV0.61.250S2	0.6	1.2	50	4	S2	
VOV0.651.350S2	0.65	1.3	50	4	S2	
VOV0.71.450S2	0.7	1.4	50	4	S2	
VOV0.751.550S2	0.75	1.5	50	4	S2	
VOV0.81.650S2	0.8	1.6	50	4	S2	
VOV0.851.750S2	0.85	1.7	50	4	S2	
VOV0.91.850S2	0.9	1.8	50	4	S2	
VOV0.951.950S2	0.95	1.9	50	4	S2	

(A) 銑刀
ENDMILLS(B) 鑽頭
DRILLS(C) 絞刀
REAMERS(D) 絲攻
TAPS(E) 刀桿/刀盤
MILLING CUTTERS(F) 刀片
INSERTS(A) 銑刀
ENDMILLS(B) 鑽頭
DRILLS(C) 絞刀
REAMERS(D) 絲攻
TAPS(E) 刀桿/刀盤
MILLING CUTTERS(F) 刀片
INSERTS

難切削材專用銑刀S4

4-Flute End Mills for Hardworking Material

M.C.T 之特性：

1. 磁浮銑刀有極低摩擦係數加工不產生高溫、無靜電、垂直度高，且熱能由鐵屑排出，工件不變型、尺寸穩定。
M.C.T. has low coefficient of friction can avoids generating static electricity and resists high temperature during metal processing due to the heat freeing from chippings. It features perpendicular Lines at right angles, no deformation or uneven surface on material.
2. 排熱性極佳，且耐高溫(約700℃)可在高溫下高速加工，能縮短工時、提高產能。
Good in heat rejection and resistance(700℃), usability of high-speed and high tempture processing to shorten working hours and heighten productivity.
3. 刀口呈負角，耐衝擊；且不等螺旋產生不等分割，加工時可消除共振。
Rigid negative rake angle edge to prevent chippings at corner. Irregular helix flutes create Unequal flute spacing, and moderately avoid vibration during processing.
4. 適用難切削材料、Inconel材料及熱處理材質 $\leq$ HRC65°
Suitable for difficult-to-cut material, Inconel alloys, and material of heat treatment $\leq$ HRC65°
5. 2mm 以上時刃長為刃徑的2.5D，以下為2D。
Cutting length is 2.5 D while it is above 2 mm, and is 2 D below 2 mm.
6. 可高速排熱、乾式切削，且環保無污染。
Good in heat rejection and can cutting without cutting fluid and pollution.



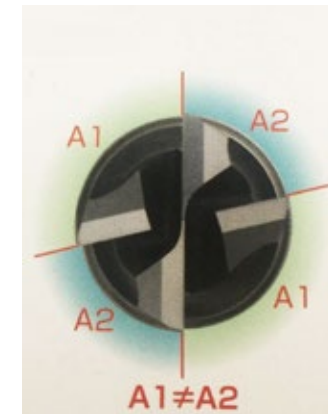
產品編號 Item Code	刃徑 Diameter	刃長 Cutting Length	全長 O.A.L	柄徑 Shank Dia.	刃數 Teeth	牌價 Price
VOS010250S4R	1	2	50	4	S4	
VOS0150350S4R	1.5	3	50	4	S4	
VOS020550S4R	2	5	50	4	S4	
VOS020550S4RB	2	5	50	6	S4	
VOS0250650S4R	2.5	6	50	4	S4	
VOS0307550S4R	3	7.5	50	4	S4	
VOS0307550S4RB	3	7.5	50	6	S4	
VOS041050S4R	4	10	50	4	S4	
VOS041050S4RB	4	10	50	6	S4	
VOS0512550S4R	5	12.5	50	6	S4	
VOS061550S4R	6	15	50	6	S4	
VOS082060S4R	8	20	60	8	S4	
VOS102575S4R	10	25	75	10	S4	
VOS123075S4R	12	30	75	12	S4	
VOS1640100S4R	16	40	100	16	S4	
VOS1650100S4R	16	50	100	16	S4	
VOS2050100S4R	20	50	100	20	S4	

難切削材專用長刃銑刀SL4

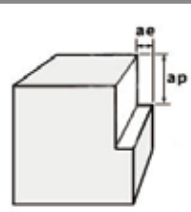
4-Long Flute Length End Mills for Hardworking Material

M.C.T 之特性：

1. 磁浮銑刀有極低摩擦係數加工不產生高溫、無靜電、垂直度高，且熱能由鐵屑排出，工件不變型、尺寸穩定。
M.C.T. has low coefficient of friction can avoids generating static electricity and resists high temperature during metal processing due to the heat freeing from chippings. It features perpendicular Lines at right angles, no deformation or uneven surface on material.
2. 刀口呈負角，耐衝擊；且不等螺旋產生不等分割，加工時可消除共振。
Rigid negative rake angle edge to prevent chippings at corner. Irregular helix flutes create Unequal flute spacing, and moderately avoid vibration during processing.
3. 適用難切削材料、Inconel材料及熱處理 $\leq$ HRC65°
Suitable for difficult-to-cut material, Inconel alloys, and material of heat treatment $\leq$ HRC65°
4. 2mm 以上時刃長為刃徑的5D，且可定製非標尺寸。
Cutting length is 5D and customize available.



被切削材 Work	切削深度 Depth	切削環境 Environment		刃徑 Dia	Φ6 (mm)	Φ8	Φ10	Φ12	
難切削材 Hardworking Material	ap: 1.5D ae: 0.1D	乾式 Dry	VC: 70 (m/min)	rpm	3669	2752	2205	1838	
				fz	0.03	0.05	0.08	0.1	
				F	440	550	706	735	
HRC≤55°，VC:150m/min			HRC≤60°，VC:100m/min			HRC≤65°，VC:70m/min			



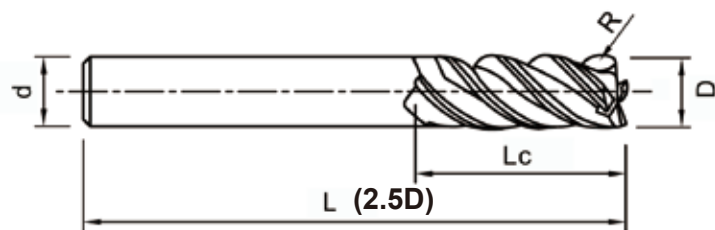
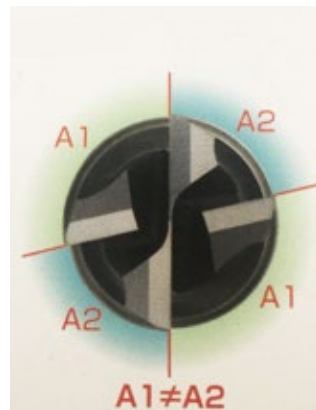
產品編號 Item Code	刃徑 Diameter	刃長 Cutting Length	全長 O.A.L	柄徑 Shank Dia.	刃數 Teeth	牌價 Price
VOS0101575S4R	1	1.5	75	6	SL4	
VOS021075S4R	2	10	75	6	SL4	
VOS031575S4R	3	15	75	6	SL4	
VOS042075S4R	4	20	75	6	SL4	
VOS052575S4R	5	25	75	6	SL4	
VOS063075S4R	6	30	75	6	SL4	
VOS0630100S4R	6	30	100	6	SL4	
VOS084075S4R	8	40	75	8	SL4	
VOS0840100S4R	8	40	100	8	SL4	
VOS1015000S4R	10	50	100	10	SL4	
VOS1260100S4R	12	60	100	12	SL4	
VOS1680150S4R	16	80	150	16	SL4	

難切削材專用圓鼻銑刀

Corner Radius End Mills For Hardworking Material

M.C.T 之特性：

1. 磁浮銑刀有極低摩擦係數加工不產生高溫、無靜電、垂直度高，且熱能由鐵屑排出，工件不變型、尺寸穩定。
M.C.T. has low coefficient of friction can avoids generating static electricity and resists high temperature during metal processing due to the heat freeing from chippings. It features perpendicular Lines at right angles, no deformation or uneven surface on material.
2. 排熱性極佳，且耐高溫(約700℃)可在高溫下高速加工，能縮短工時、提高產能。
Good in heat rejection and resistance(700℃), usability of high-speed and high tempture processing to shorten working hours and heighten productivity.
3. 刀口呈負角，耐衝擊；不等螺旋產生不等分割，加工時可消除共振。
Rigid negative rake angle edge to prevent chippings at corner. Irregular helix flutes create Unequal flute spacing, and moderately avoid vibration during processing.
4. 適用難切削材、Inconel 材質及熱處理材質 ≤ HRC65°
Suitable for difficult-to-cut material, Inconel alloys, and material of heat treatment ≤ HRC65°
5. 刃徑 2mm 以下時，刃長為刃徑 2D。
Cutting length is 2D while diameter is under 2 mm.
6. 刃徑 2mm(含) 以上時，刃長為刃徑 2.5D。
Cutting length is 2.5 D while it is above or equal to 2 mm.
7. 可訂製非標尺寸。
Customize available.
8. 可高速排熱、乾式切削，且環保無汙染。
Good in heat rejection and can cutting without cutting fluid and pollution.



產品編號 Item Code	刃徑 D	R角 R	刃長 Lc	全長 L	柄徑 d	刃數 Teeth	牌價 Price
VOCS01R0.20250S4	1	0.2R	2	50	4	S4	
VOCS02R0.20550S4	2	0.2R	5	50	4	S4	
VOCS03R0.207550S4	3	0.2R	7.5	50	4	S4	
VOCS03R0.207550S4B	3	0.2R	7.5	50	6	S4	
VOCS04R0.21050S4	4	0.2R	10	50	4	S4	
VOCS04R0.21050S4B	4	0.2R	10	50	6	S4	
VOCS04R0.51050S4	4	0.5R	10	50	4	S4	
VOCS04R0.51050S4B	4	0.5R	10	50	6	S4	

難切削材圓鼻銑刀 / 不等螺旋

Corner Radius End Mills For Hardworking Material

被切削材 Work	切削深度 Depth	切削環境 Environment		刃徑 Dia	Φ6 (mm)	Φ8	Φ10	Φ12	
難切削材 Hardworking Material	ap: 1.5D ae: 0.1D	乾式 Dry	VC: 70 (m/min)	rpm	3669	2752	2205	1838	
				fz	0.03	0.05	0.08	0.1	
				F	440	550	706	735	
HRC≤55°，VC:150m/min			HRC≤60°，VC:100m/min			HRC≤65°，VC:70m/min			

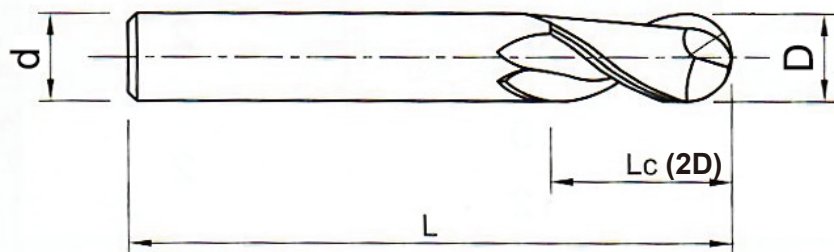
產品編號 Item Code	刃徑 D	R角 R	刃長 Lc	全長 L	柄徑 d	刃數 Teeth	牌價 Price
VOCS05R0.212550S4	5	0.2R	12.5	50	6	S4	
VOCS05R0.512550S4	5	0.5R	12.5	50	6	S4	
VOCS06R0.21550S4	6	0.2R	15	50	6	S4	
VOCS06R0.51550S4	6	0.5R	15	50	6	S4	
VOCS06R1.01550S4	6	1.0R	15	50	6	S4	
VOCS08R0.22060S4	8	0.2R	20	60	8	S4	
VOCS08R0.52060S4	8	0.5R	20	60	8	S4	
VOCS08R1.02060S4	8	1.0R	20	60	8	S4	
VOCS10R0.52575S4	10	0.5R	25	75	10	S4	
VOCS10R1.02575S4	10	1.0R	25	75	10	S4	
VOCS10R1.52575S4	10	1.5R	25	75	10	S4	
VOCS10R2.02575S4	10	2.0R	25	75	10	S4	
VOCS12R0.53075S4	12	0.5R	30	75	12	S4	
VOCS12R1.03075S4	12	1.0R	30	75	12	S4	
VOCS12R1.53075S4	12	1.5R	30	75	12	S4	
VOCS12R2.03075S4	12	2.0R	30	75	12	S4	
VOCS16R0.550100S4	16	0.5R	50	100	16	S4	
VOCS16R1.050100S4	16	1.0R	50	100	16	S4	
VOCS16R2.050100S4	16	2.0R	50	100	16	S4	
VOCS20R0.550100S4	20	0.5R	50	100	20	S4	
VOCS20R1.050100S4	20	1.0R	50	100	20	S4	
VOCS20R2.050100S4	20	2.0R	50	100	20	S4	

難切削材球銑刀 S2

2-Flute Ball End Mills for Hardworking Material

M.C.T 之特性：

1. 磁浮銑刀有極低摩擦係數加工不產生高溫、無靜電、垂直度高，且熱能由鐵屑排出，工件不變型、尺寸穩定。
M.C.T. has low coefficient of friction can avoids generating static electricity and resists high temperature during metal processing due to the heat freeing from chippings. It features perpendicular Lines at right angles, no deformation or uneven surface on material.
2. 排熱性極佳，且耐高溫(約700°C)可在高溫下高速加工，能縮短工時、提高產能。
Good in heat rejection and resistance(700°C), usability of high-speed and high tempture processing to shorten working hours and heighten productivity.
2. 刀口呈負角，耐衝擊。
Rigid negative rake angle edge to prevent chippings at corner.
3. 適用難切削材料、Inconel材料、熱處理材質 $\leq$ HRC65°
Suitable for difficult-to-cut material, Inconel alloys, and material of heat treatment $\leq$ HRC65°
4. 刃長為刃徑 2D。
Cutting length is 2D.
5. 可訂製非標尺寸。
Customize available.
6. 可高速排熱、乾式切削，且環保無汙染。
Good in heat rejection and can cutting without cutting fluid and pollution.



產品編號 Item Code	刃徑 D	刃長 Lc	全長 L	柄徑 d	刃數 Teeth	牌價 Price
VOBC0.1R0.450S2	0.1R	0.4	50	4	S2	
VOBC0.15R0.650S2	0.15R	0.6	50	4	S2	
VOBC0.2R0.850S2	0.2R	0.8	50	4	S2	
VOBC0.25R1.050S2	0.25R	1	50	4	S2	
VOBC0.3R1.250S2	0.3R	1.2	50	4	S2	
VOBC0.4R1.650S2	0.4R	1.6	50	4	S2	
VOBC0.5R0.250S2	0.5R	2	50	4	S2	
VOBC0.5R0.250S2B	0.5R	2	50	6	S2	

難切削材球銑刀 S2

2-Flute Ball End Mills for Hardworking Material

被切削材 Work	切削深度 Depth	切削環境 Environment		刃徑 Dia	Φ6 (mm)	Φ8	Φ10	Φ12	
難切削材 Hardworking Material	ap: 1.5D ae: 0.1D	乾式 Dry	VC: 70 (m/min)	rpm	3669	2752	2205	1838	
				fz	0.03	0.05	0.08	0.1	
				F	220	275	353	368	
HRC≤55°，VC:150m/min		HRC≤60°，VC:100m/min		HRC≤65°，VC:70m/min					

產品編號 Item Code	刃徑 D	刃長 Lc	全長 L	柄徑 d	刃數 Teeth	牌價 Price
VOBC0.6R2.450S2	0.6R	2.4	50	4	S2	
VOBC0.7R2.850S2	0.7R	2.8	50	4	S2	
VOBC0.75R0.350S2	0.75R	3	50	4	S2	
VOBC0.8R3.250S2	0.8R	3.2	50	4	S2	
VOBC0.9R3.650S2	0.9R	3.6	50	4	S2	
VOBC1R0.450S2	1R	4	50	4	S2	
VOBC1R0.450S2B	1R	4	50	6	S2	
VOBC1.25R0.550S2	1.25R	5	50	4	S2	
VOBC1.5R0.650S2	1.5R	6	50	4	S2	
VOBC1.5R0.650S2B	1.5R	6	50	6	S2	
VOBC1.75R0.750S2	1.75R	7	50	4	S2	
VOBC2R0.850S2	2R	8	50	4	S2	
VOBC2R0.850S2B	2R	8	50	6	S2	
VOBC2.5R1.050S2	2.5R	10	50	6	S2	
VOBC3R1.250S2	3R	12	50	6	S2	
VOBC4R1.660S2	4R	16	60	8	S2	
VOBC5R2.075S2	5R	20	75	10	S2	
VOBC10R5.0100S2	10R	50	100	20	S2	
VOBC6R2.475S2	6R	24	75	12	S2	
VOBC8R3.2100S2	8R	32	100	16	S2	

(A) 銑刀

ENDMILLS

(B) 鑽頭

DRILLS

(C) 絞刀

REAMERS

(D) 絲攻

TAPS

(E) 刀桿/刀盤

MILLING CUTTERS

(F) 刀片

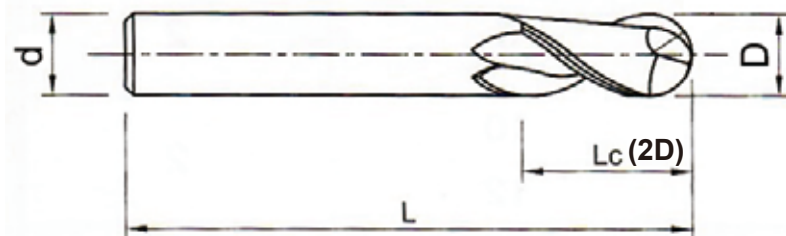
INSERTS

難切削材長柄球銑刀 SL2

2-Flute Long Shank Length Ball End Mills
for Hardworking Material

M.C.T 之特性：

- 1.磁浮銑刀有極低摩擦係數加工不產生高溫、無靜電、垂直度高，且熱能由鐵屑排出，工件不變型、尺寸穩定。
M.C.T. has low coefficient of friction can avoids generating static electricity and resists high temperature during metal processing due to the heat freeing from chippings. It features perpendicular Lines at right angles, no deformation or uneven surface on material.
- 2.排熱性極佳，且耐高溫(約700℃)可在高溫下高速加工，能縮短工時、提高產能。
Good in heat rejection and resistance(700℃), usability of high-speed and high tempture processing to shorten working hours and heighten productivity.
- 3.刀口呈負角，耐衝擊。
Rigid negative rake angle edge to prevent chippings at corner.
- 4.適用難切削材料、Inconel材料、熱處理材質 $\leq$ HRC65°
Suitable for difficult-to-cut material, Inconel alloys, and material of heat treatment $\leq$ HRC65°
- 5.刃長為刃徑 2D。
Cutting length is 2D.
- 6.可訂製非標尺寸。
Customize available.
- 7.可高速排熱、乾式切削，且環保無污染。
Good in heat rejection and can cutting without cutting fluid and pollution.

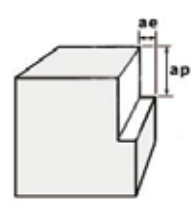


產品編號 Item Code	刃徑 D	刃長 Lc	全長 L	柄徑 d	刃數 Teeth	牌價 Price
VOBC1R0475S2	1R	4	75	4	SL2	
VOBC1R0475S2B	1R	4	75	6	SL2	
VOBC1.5R0675S2B	1.5R	6	75	6	SL2	
VOBC2R0875S2	2R	8	75	4	SL2	
VOBC2R0875S2B	2R	8	75	6	SL2	
VOBC2.5R1075S2	2.5R	10	75	6	SL2	

難切削材長柄球銑刀 SL2

2-Flute Long Shank Length Ball End Mills
for Hardworking Material

被切削材 Work	切削深度 Depth	切削環境 Environment	刃徑 Dia	Φ6 (mm)	Φ8	Φ10	Φ12	
難切削材 Hardworking Material	ap: 1.5D ae: 0.1D	乾式 Dry	VC: 70 (m/min)	rpm	3669	2752	2205	1838
			fz	0.03	0.05	0.08	0.1	
			F	220	275	353	368	
HRC $\leq$ 55°，VC:150m/min				HRC $\leq$ 60°，VC:100m/min			HRC $\leq$ 65°，VC:70m/min	



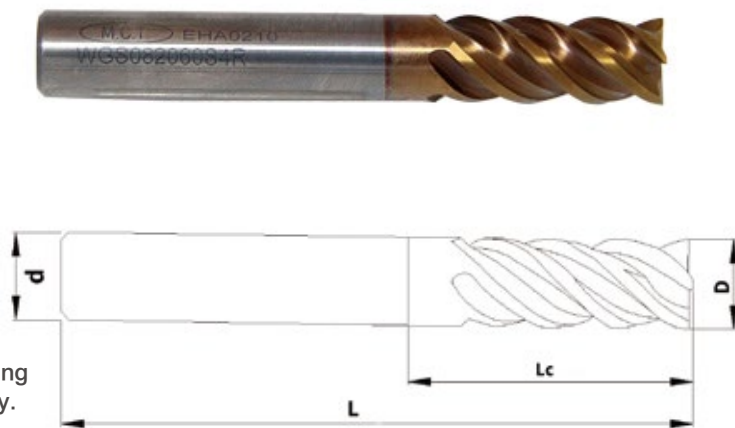
產品編號 Item Code	刃徑 D	刃長 Lc	全長 L	柄徑 d	刃數 Teeth	牌價 Price
VOBC3R1275S2	3R	12	75	6	SL2	
VOBC3R12100S2	3R	12	100	6	SL2	
VOBC3R12125S2	3R	12	125	6	SL2	
VOBC3R12150S2	3R	12	150	6	SL2	
VOBC4R1675S2	4R	16	75	8	SL2	
VOBC4R16100S2	4R	16	100	8	SL2	
VOBC4R16125S2	4R	16	125	8	SL2	
VOBC4R16150S2	4R	16	150	8	SL2	
VOBC5R20100S2	5R	20	100	10	SL2	
VOBC5R20125S2	5R	20	125	10	SL2	
VOBC5R20150S2	5R	20	150	10	SL2	
VOBC6R24100S2	6R	24	100	12	SL2	
VOBC6R24125S2	6R	24	125	12	SL2	
VOBC6R24150S2	6R	24	150	12	SL2	
VOBC8R32125S2	8R	32	125	16	SL2	
VOBC8R32150S2	8R	32	150	16	SL2	

高速機床專用銑刀 S4

High Speed 4 Flute End Mills For Machine Tools

M.C.T 之特性：

1. 磁浮銑刀有極低摩擦係數加工不產生高溫、無靜電、垂直度高，且熱能由鐵屑排出，工件不變型、尺寸穩定。
M.C.T. has low coefficient of friction can avoids generating static electricity and resists high temperature during metal processing due to the heat freeing from chippings. It features perpendicular Lines at right angles, no deformation or uneven surface on material.
2. 排熱性極佳，且耐高溫(約700°C)可在高溫下高速加工，能縮短工時、提高產能。
Good in heat rejection and resistance(700°C), usability of high-speed and high tempture processing to shorten working hours and heighten productivity.
3. 可在高溫下高速加工，縮短工時、提高產能。
Usability of high-speed and high tempture processing to shorten working hours and heighten productivity.
4. 特殊材質又硬又韌，可加工不鏽鋼及熱處理材質 $\leq$ HRC62°
Feature in rigidity and hardness, and suitable for stainless steel and material of heat treatment $\leq$ HRC62°
5. 2mm 以上刃長為刃徑的 2.5D。以下為 2D。
Cutting length is 2.5 D while it is above 2 mm, and is 2 D below 2 mm.
6. 可訂製非標尺寸。
Customize available.
7. 可高速排熱、乾式切削，且環保無汙染。
Good in heat rejection and can cutting without cutting fluid and pollution.



產品編號 Item Code	刃徑 Diameter	刃長 Cutting Length	全長 O.A.L	柄徑 Shank Dia.	刃數 Teeth	牌價 Price
VGS010250S4R	1	2	50	4	S4	
VGS0150350S4R	1.5	3	50	4	S4	
VGS020550S4R	2	5	50	4	S4	
VGS020550S4RB	2	5	50	6	S4	
VGS0250650S4R	2.5	6	50	4	S4	
VGS0307550S4R	3	7.5	50	4	S4	
VGS0307550S4RB	3	7.5	50	6	S4	
VGS041050S4R	4	10	50	4	S4	
VGS041050S4RB	4	10	50	6	S4	
VGS0512550S4R	5	12.5	50	6	S4	
VGS061550S4R	6	15	50	6	S4	
VGS082060S4R	8	20	60	8	S4	
VGS102575S4R	10	25	75	10	S4	
VGS123075S4R	12	30	75	12	S4	
VGS1640100S4R	16	40	100	16	S4	
VGS1650100S4R	16	50	100	16	S4	
VGS2050100S4R	20	50	100	20	S4	

高速機床專用長刃銑刀 SL4

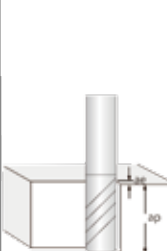
High Speed 4-Long Flute Length End Mills For Machine Tool

M.C.T 之特性：

1. 磁浮銑刀有極低摩擦係數加工不產生高溫、無靜電、垂直度高，且熱能由鐵屑排出，工件不變型、尺寸穩定。
M.C.T. has low coefficient of friction can avoids generating static electricity and resists high temperature during metal processing due to the heat freeing from chippings. It features perpendicular Lines at right angles, no deformation or uneven surface on material.
2. 排熱性極佳，且耐高溫(約700°C)可在高溫下高速加工，能縮短工時、提高產能。
Good in heat rejection and resistance(700°C), usability of high-speed and high tempture processing to shorten working hours and heighten productivity.
3. 2mm 以上刃長為刃徑的 2.5D。以下為 2D。
Cutting length is 2.5 D while it is above 2 mm, and is 2 D below 2 mm.



若HRC55—58°C，則數據同下圖紅字

被切削材 Work	切削深度 Depth	切削環境 Environment		刃徑 Dia	Φ6 (mm)	Φ8	Φ10	Φ12	
合金鋼 Alloy Steel ≤HRC50°C	ap: 2D ae: 0.2D ae: 0.1D	乾式 Dry	VC: 350 VC: 150	rpm	18375 7875	13781 5906	11025 4725	9188 3938	
				fz	0.03	0.05	0.08	0.1	
				F	2205 945	2756 1181	3528 1512	3675 1575	
				rpm	26500	19830	15900	13250	
		濕式 Wet	VC: 500	fz	0.03	0.05	0.08	0.1	
				F	3180	3966	5088	5300	

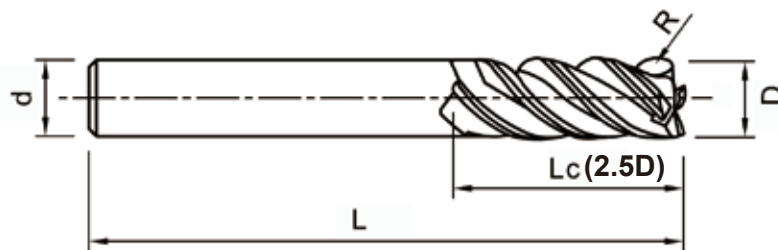
產品編號 Item Code	刃徑 Diameter	刃長 Cutting Length	全長 O.A.L	柄徑 Shank Dia.	刃數 Teeth	牌價 Price
VGS010575S4RB	1	5	75	6	SL4	
VGS021075S4RB	2	10	75	6	SL4	
VGS031575S4RB	3	15	75	6	SL4	
VGS042075S4RB	4	20	75	6	SL4	
VGS052575S4R	5	25	75	6	SL4	
VGS063075S4R	6	30	75	6	SL4	
VGS0630100S4R	6	30	100	6	SL4	
VGS084075S4R	8	40	75	8	SL4	
VGS0840100S4R	8	40	100	8	SL4	
VGS1050100S4R	10	50	100	10	SL4	
VGS1255100S4R	12	55	100	12	SL4	
VGS1675150S4R	16	80	150	16	SL4	
VGS2080150S4R	20	80	150	20	SL4	

高速機床專用R角圓鼻刀

High Speed Corner Radius End Mills For Machine Tools

M.C.T. 之特性：

1. 磁浮銑刀有極低摩擦係數加工不產生高溫、無靜電、垂直度高，且熱能由鐵屑排出，工件不變型、尺寸穩定。
M.C.T. has low coefficient of friction can avoids generating static electricity and resists high temperature during metal processing due to the heat freeing from chippings. It features perpendicular Lines at right angles, no deformation or uneven surface on material.
2. 排熱性極佳，且耐高溫(約700°C)可在高溫下高速加工，能縮短工時、提高產能。
Good in heat rejection and resistance(700°C), usability of high-speed and high tempture processing to shorten working hours and heighten productivity.
3. 特殊材質又硬又韌，可加工不鏽鋼及熱處理材料 $\leq$ HRC62°
Feature in rigidity and hardness, and suitable for stainless steel and material of heat treatment $\leq$ HRC62°
4. 刃徑 2mm 以下時，刃長為刃徑 2D。
Cutting length is 2D while diameter is under 2 mm.
5. 刃徑 2 mm (含) 以上時，刃長為刃徑 2.5D。
Cutting length is 2.5 D while it is above or equal to 2 mm.
6. 可訂製非標尺寸。
Customize available.
7. 可高速排熱、乾式切削，且環保無污染。
Good in heat rejection and cutting without cutting fluid and pollution.
8. 適用不等螺旋 2.5D。
Applicable to irrregular helix flute length is 2.5 times as long as flute duameter.



產品編號 Item Code	刃徑 D	R角 R	刃長 Lc	全長 L	柄徑 d	刃數 Teeth	牌價 Price
VGCS01R0.20250S4	1	0.2R	2	50	4	S4	
VGCS02R0.20550S4	2	0.2R	5	50	4	S4	
VGCS03R0.207550S4	3	0.2R	7.5	50	4	S4	
VGCS03R0.207550S4B	3	0.2R	7.5	50	6	S4	
VGCS04R0.21050S4	4	0.2R	10	50	4	S4	
VGCS04R0.21050S4B	4	0.2R	10	50	6	S4	
VGCS04R0.51050S4	4	0.5R	10	50	4	S4	
VGCS04R0.51050S4B	4	0.5R	10	50	6	S4	

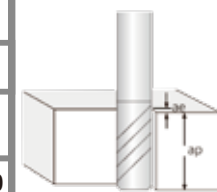
高速機床專用R角圓鼻刀

High Speed Corner Radius End Mills For Machine Tools

被切削材 Work	切削深度 Depth	切削環境 Environment		刃徑 Dia	Φ6 (mm)	Φ8	Φ10	Φ12	
合金鋼 Alloy Steel ≦HRC50℃	ap: 2D ae: 0.2D ae: 0.1D	乾式 Dry	VC: 350 VC: 150	rpm	18375 7875	13781 5906	11025 4725	9188 3938	
				fz	0.03	0.05	0.08	0.1	
				F	2205 945	2756 1181	3528 1512	3675 1575	
		濕式 Wet	VC: 500	rpm	26500	19830	15900	13250	
				fz	0.03	0.05	0.08	0.1	
				F	3180	3966	5088	5300	

若55—58°C，則數據同上圖紅字

產品編號 Item Code	刃徑 D	R角 R	刃長 Lc	全長 L	柄徑 d	刃數 Teeth	牌價 Price
VGCS05R0.212550S4	5	0.2R	12.5	50	6	S4	
VGCS05R0.512550S4	5	0.5R	12.5	50	6	S4	
VGCS06R0.21550S4	6	0.2R	15	50	6	S4	
VGCS06R0.51550S4	6	0.5R	15	50	6	S4	
VGCS06R1.01550S4	6	1.0R	15	50	6	S4	
VGCS08R0.22060S4	8	0.2R	20	60	8	S4	
VGCS08R0.52060S4	8	0.5R	20	60	8	S4	
VGCS08R1.02060S4	8	1.0R	20	60	8	S4	
VGCS10R0.52575S4	10	0.5R	25	75	10	S4	
VGCS10R1.02575S4	10	1.0R	25	75	10	S4	
VGCS10R1.52575S4	10	1.5R	25	75	10	S4	
VGCS10R2.02575S4	10	2.0R	25	75	10	S4	
VGCS12R0.53075S4	12	0.5R	30	75	12	S4	
VGCS12R1.03075S4	12	1.0R	30	75	12	S4	
VGCS12R1.53075S4	12	1.5R	30	75	12	S4	
VGCS12R2.03075S4	12	2.0R	30	75	12	S4	
VGCS16R0.550100S4	16	0.5R	50	100	16	S4	
VGCS16R1.050100S4	16	1.0R	50	100	16	S4	
VGCS16R2.050100S4	16	2.0R	50	100	16	S4	
VGCS20R0.550100S4	20	0.5R	50	100	20	S4	
VGCS20R1.050100S4	20	1.0R	50	100	20	S4	
VGCS20R2.050100S4	20	2.0R	50	100	20	S4	



(A) 銑刀

ENDMILLS

(B) 鑽頭

DRILLS

(C) 絞刀

REAMERS

(D) 絲攻

TAPS

(E) 刀桿/刀盤

MILLING CUTTERS

(F) 刀片

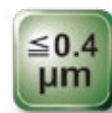
INSERTS

高速機床專用球銑刀S2

High Speed 2-Flute Ball End Mills For Machine Tools

M.C.T 之特性：

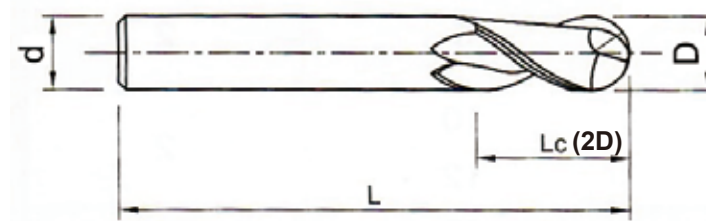
1. 磁浮銑刀有極低摩擦係數加工不產生高溫、無靜電、垂直度高，且熱能由鐵屑排出，工件不變型、尺寸穩定。
M.C.T. has low coefficient of friction can avoids generating static electricity and resists high temperature during metal processing due to the heat freeing from chippings. It features perpendicular Lines at right angles, no deformation or uneven surface on material.
2. 排熱性極佳，且耐高溫(約700°C)可在高溫下高速加工，能縮短工時、提高產能。
Good in heat rejection and resistance(700°C), usability of high-speed and high tempture processing to shorten working hours and heighten productivity.
3. 材質特殊硬又韌，可加工不鏽鋼及熱處理材質 $\leq$ HRC62°
Feature in rigidity and hardness. It suitable for stainless steel and material of heat treatment $\leq$ HRC62°
4. 刃長為刃徑 2D。
Cutting length is 2D.
5. 可高速排熱、乾式切削，且環保無汙染。
Good in heat rejection and can cutting without cutting fluid and pollution.



產品編號 Item Code	刃徑 D	刃長 Lc	全長 L	柄徑 d	刃數 Teeth	牌價 Price
VGBC0.1R0.450S2	0.1R	0.4	50	4	S2	
VGBC0.15R0.650S2	0.15R	0.6	50	4	S2	
VGBC0.2R0.850S2	0.2R	0.8	50	4	S2	
VGBC0.25R1.050S2	0.25R	1	50	4	S2	
VGBC0.3R1.250S2	0.3R	1.2	50	4	S2	
VGBC0.4R1.650S2	0.4R	1.6	50	4	S2	
VGBC0.5R0250S2	0.5R	2	50	4	S2	
VGBC0.5R0250S2B	0.5R	2	50	6	S2	
VGBC0.6R2.450S2	0.6R	2.4	50	4	S2	
VGBC0.7R2.850S2	0.7R	2.8	50	4	S2	
VGBC0.75R0350S2	0.75R	3	50	4	S2	

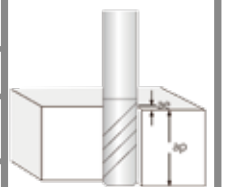
高速機床專用球銑刀S2

High Speed 2-Flute Ball End Mills For Machine Tools



若55—58°C，則數據同下圖紅字

被切削材 Work	切削深度 Depth	切削環境 Environment		刃徑 Dia	Φ6 (mm)	Φ8	Φ10	Φ12
合金鋼 Alloy Steel ≤HRC50℃	ap: 2D ae: 0.2D ae: 0.1D	乾式 Dry	VC: 350 VC: 150	rpm	18375 3938	13781 2953	11025 2363	9188 1969
				fz	0.03	0.05	0.08	0.1
				F	1103 119	1378 296	1764 278	1838 394
		濕式 Wet	VC: 500	rpm	26500	19830	15900	13250
				fz	0.03	0.05	0.08	0.1
				F	1590	1983	2544	2650



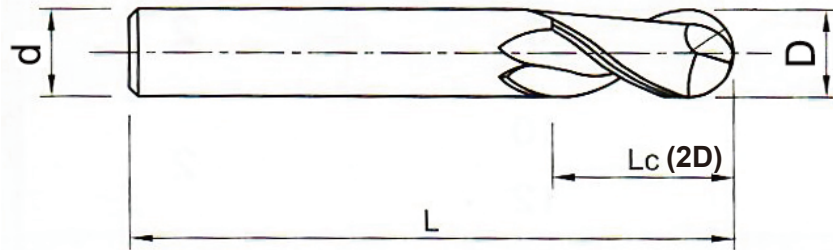
產品編號 Item Code	刃徑 D	刃長 Lc	全長 L	柄徑 d	刃數 Teeth	牌價 Price
VGBC0.8R3.250S2	0.8R	3.2	50	4	S2	
VGBC0.9R3.650S2	0.9R	3.6	50	4	S2	
VGBC1R0450S2	1R	4	50	4	S2	
VGBC1R0450S2B	1R	4	50	6	S2	
VGBC1.25R0550S2	1.25R	5	50	4	S2	
VGBC1.5R0650S2	1.5R	6	50	4	S2	
VGBC1.5R0650S2B	1.5R	6	50	6	S2	
VGBC1.75R0750S2	1.75R	7	50	4	S2	
VGBC2R0850S2	2R	8	50	4	S2	
VGBC2R0850S2B	2R	8	50	6	S2	
VGBC2.5R1050S2	2.5R	10	50	6	S2	
VGBC3R1250S2	3R	12	50	6	S2	
VGBC4R1660S2	4R	16	60	8	S2	
VGBC5R2075S2	5R	20	75	10	S2	
VGBC6R2475S2	6R	24	75	12	S2	
VGBC8R32100S2	8R	32	100	16	S2	

高速機床專用長柄球銑刀 SL2

High Speed 2-Long Shank Length Ball End Mills For Machine Tools

M.C.T 之特性：

1. 磁浮銑刀有極低摩擦係數加工不產生高溫、無靜電、垂直度高，且熱能由鐵屑排出，工件不變型、尺寸穩定。
M.C.T. has low coefficient of friction can avoids generating static electricity and resists high temperature during metal processing due to the heat freeing from chippings. It features perpendicular Lines at right angles, no deformation or uneven surface on material.
2. 排熱性極佳，且耐高溫(約700°C)可在高溫下高速加工，能縮短工時、提高產能。
Good in heat rejection and resistance(700°C), usability of high-speed and high tempture processing to shorten working hours and heighten productivity.
3. 材質特殊硬又韌，可加工不鏽鋼及熱處理材質 $\leq$ HRC62°
Feature in rigidity and hardness. It suitable for stainless steel and material of heat treatment $\leq$ HRC62°
4. 刃長為刃徑 2D。
Cutting length is 2D.
5. 可訂製非標尺寸。
Customize available.
6. 可高速排熱、乾式切削，且環保無污染。
Good in heat rejection and can cutting without cutting fluid and pollution.



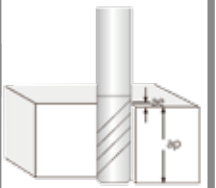
產品編號 Item Code	刃徑 D	刃長 Lc	全長 L	柄徑 d	刃數 Teeth	牌價 Price
VGBC1R0475S2	1R	4	75	4	SL2	
VGBC1R0475S2B	1R	4	75	6	SL2	
VGBC1.5R0675S2B	1.5R	6	75	6	SL2	
VGBC2R0875S2	2R	8	75	4	SL2	
VGBC2R0875S2B	2R	8	75	6	SL2	
VGBC2.5R1075S2	2.5R	10	75	6	SL2	
VGBC3R1275S2	3R	12	75	6	SL2	
VGBC3R12100S2	3R	12	100	6	SL2	

高速機床專用長柄球銑刀 SL2

High Speed 2-Long Shank Length Ball End Mills For Machine Tools

若55—58°C，則數據同下圖紅字

被切削材 Work	切削深度 Depth	切削環境 Environment	刃徑 Dia	Φ6 (mm)	Φ8	Φ10	Φ12	
合金鋼 Alloy Steel $\leq$ HRC50°C	ap: 2D ae: 0.2D ae: 0.1D	乾式 Dry	VC: 350 VC: 150	rpm	18375 3938	13781 2953	11025 2363	9188 1969
				fz	0.03	0.05	0.08	0.1
				F	1103 119	1378 296	1764 278	1838 394
				rpm	26500	19830	15900	13250
		濕式 Wet	VC: 500	fz	0.03	0.05	0.08	0.1
				F	1590	1983	2544	2650



產品編號 Item Code	刃徑 D	刃長 Lc	全長 L	柄徑 d	刃數 Teeth	牌價 Price
VGBC3R12125S2	3R	12	125	6	SL2	
VGBC3R12150S2	3R	12	150	6	SL2	
VGBC4R1675S2	4R	16	75	8	SL2	
VGBC4R16100S2	4R	16	100	8	SL2	
VGBC4R16125S2	4R	16	125	8	SL2	
VGBC4R16150S2	4R	16	150	8	SL2	
VGBC5R20100S2	5R	20	100	10	SL2	
VGBC5R20125S2	5R	20	125	10	SL2	
VGBC5R20150S2	5R	20	150	10	SL2	
VGBC6R24100S2	6R	24	100	12	SL2	
VGBC6R24125S2	6R	24	125	12	SL2	
VGBC6R24150S2	6R	24	150	12	SL2	
VGBC8R32125S2	8R	32	125	16	SL2	
VGBC8R32150S2	8R	32	150	16	SL2	

高速機床專用35°銑刀

High Speed 35° Square End Mills For Machine Tools

M.C.T 之特性：

1. 磁浮銑刀有極低摩擦係數加工不產生高溫、無靜電、垂直度高，且熱能由鐵屑排出，工件不變型、尺寸穩定。
M.C.T. has low coefficient of friction can avoids generating static electricity and resists high temperature during metal processing due to the heat freeing from chippings. It features perpendicular Lines at right angles, no deformation or uneven surface on material.
2. 排熱性極佳，且耐高溫(約700°C)可在高溫下高速加工，能縮短工時、提高產能。
Good in heat rejection and resistance(700°C), usability of high-speed and high temperature processing to shorten working hours and heighten productivity.
3. 材質特殊硬又韌，可加工不銹鋼，熱處理材質 $\leq$ HRC62°
Feature in rigidity and hardness, and suitable for stainless steel and material of heat treatment $\leq$ HRC62°
4. 可高速排熱、乾式切削，且環保無污染。
Good in heat rejection and can cutting without cutting fluid and pollution.



產品編號 Item Code	刃徑 D	刃長 Lc	全長 L	柄徑 d	刃數 Teeth	牌價 Price
VGV0.150.350S2	0.15	0.3	50	4	S2	
VGV0.20.450S2	0.2	0.4	50	4	S2	
VGV0.250.550S2	0.25	0.5	50	4	S2	
VGV0.30.650S2	0.3	0.6	50	4	S2	
VGV0.350.750S2	0.35	0.7	50	4	S2	
VGV0.40.850S2	0.4	0.8	50	4	S2	
VGV0.450.950S2	0.45	0.9	50	4	S2	
VGV0.51.050S2	0.5	1	50	4	S2	
VGV0.551.150S2	0.55	1.1	50	4	S2	
VGV0.61.250S2	0.6	1.2	50	4	S2	
VGV0.651.350S2	0.65	1.3	50	4	S2	
VGV0.71.450S2	0.7	1.4	50	4	S2	
VGV0.751.550S2	0.75	1.5	50	4	S2	
VGV0.81.650S2	0.8	1.6	50	4	S2	
VGV0.851.750S2	0.85	1.7	50	4	S2	
VGV0.91.850S2	0.9	1.8	50	4	S2	
VGV0.951.950S2	0.95	1.9	50	4	S2	

高速機床專用35°銑刀

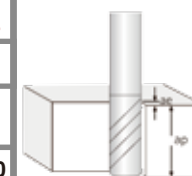
High Speed 35° Square End Mills For Machine Tools

5. 刃徑1mm以下時，刃長為刃徑2D，且為2刃。刃徑1mm(含)以上時，刃長為刃徑3D，且為4刃。
Cutting length is 2D with 2 flutes while diameter is under 1 mm.
Cutting length is 3D with 4 flutes while it is above 1 mm.
6. 可訂製非標尺寸。
Customize available.



若55—58°C，則數據同下圖紅字

被切削材 Work	切削深度 Depth	切削環境 Environment		刃徑 Dia	Φ6 (mm)	Φ8	Φ10	Φ12
合金鋼 Alloy Steel ≤HRC50°C	ap: 2D ae: 0.2D ae: 0.1D	乾式 Dry	VC: 350 VC: 150	rpm	18375 7875	13781 5906	11025 4725	9188 3938
				fz	0.03	0.05	0.08	0.1
				F	2205 945	2756 1181	3528 1512	3675 1575
		濕式 Wet	VC: 500	rpm	26500	19830	15900	13250
				fz	0.03	0.05	0.08	0.1
				F	3180	3966	5088	5300



產品編號 Item Code	刃徑 Diameter	刃長 Cutting Length	全長 O.A.L	柄徑 Shank Dia.	刃數 Teeth	牌價 Price
VGV010350S4R	1	3	50	4	S4	
VGV01504550S4R	1.5	4.5	50	4	S4	
VGV020650S4R	2	6	50	4	S4	
VGV020650S4RB	2	6	50	6	S4	
VGV02507550S4R	2.5	7.5	50	4	S4	
VGV02507550S4RB	2.5	7.5	50	6	S4	
VGV030950S4R	3	9	50	4	S4	
VGV030950S4RB	3	9	50	6	S4	
VGV041250S4R	4	12	50	4	S4	
VGV041250S4RB	4	12	50	6	S4	
VGV051550S4R	5	15	50	6	S4	
VGV061850S4R	6	18	50	6	S4	
VGV082460S4R	8	24	60	8	S4	
VGV103075S4R	10	30	75	10	S4	
VGV123675S4R	12	36	75	12	S4	
VGV1650100S4R	16	50	100	16	S4	
VGV2050100S4R	20	50	100	20	S4	

高速機台專用35°長刃銑刀

High Speed Long Flute Length 35° Square End Mills For Machine Tools

M.C.T 之特性：

1. 磁浮銑刀有極低摩擦係數加工不產生高溫、無靜電、垂直度高，且熱能由鐵屑排出，工件不變型、尺寸穩定。
M.C.T. has low coefficient of friction can avoids generating static electricity and resists high temperature during metal processing due to the heat freeing from chippings. It features perpendicular Lines at right angles, no deformation or uneven surface on material.



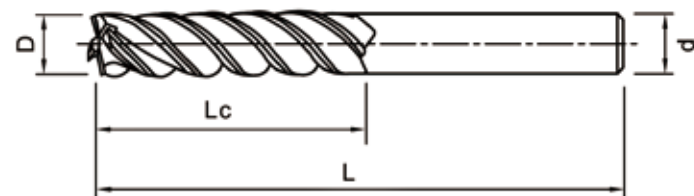
2. 排熱性極佳，且耐高溫(約700°C)可在高溫下高速加工，能縮短工時、提高產能。
Good in heat rejection and resistance(700°C), usability of high-speed and high temperature processing to shorten working hours and heighten productivity.

3. 特殊材質又硬又韌，可加工不銹鋼或熱處理材質 $\leq$ HRC62°
Feature in rigidity and hardness, and suitable for stainless steel and material of heat treatment $\leq$ HRC62°

4. 刃長為刃徑 5D。
Cutting length is 5D.

5. 可訂製非標尺寸。
Customize available.

6. 可高速排熱、乾式切削，且環保無污染。
Good in heat rejection and can cutting without cutting fluid and pollution.

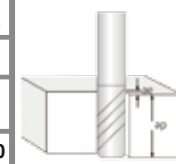


產品編號 Item Code	刃徑 D	刃長 Lc	全長 L	柄徑 d	刃數 Teeth	牌價 Price
VGV0.150.350S2	0.15	0.3	50	4	S2	
VGV0.20.450S2	0.2	0.4	50	4	S2	
VGV0.250.550S2	0.25	0.5	50	4	S2	
VGV0.30.650S2	0.3	0.6	50	4	S2	
VGV0.350.750S2	0.35	0.7	50	4	S2	
VGV0.40.850S2	0.4	0.8	50	4	S2	
VGV0.450.950S2	0.45	0.9	50	4	S2	
VGV0.51.050S2	0.5	1	50	4	S2	
VGV0.551.150S2	0.55	1.1	50	4	S2	
VGV0.61.250S2	0.6	1.2	50	4	S2	
VGV0.651.350S2	0.65	1.3	50	4	S2	
VGV0.71.450S2	0.7	1.4	50	4	S2	
VGV0.751.550S2	0.75	1.5	50	4	S2	
VGV0.81.650S2	0.8	1.6	50	4	S2	
VGV0.851.750S2	0.85	1.7	50	4	S2	
VGV0.91.850S2	0.9	1.8	50	4	S2	
VGV0.951.950S2	0.95	1.9	50	4	S2	

高速機台專用35°長刃銑刀

High Speed Long Flute Length 35° Square End Mills For Machine Tools

被切削材 Work	切削深度 Depth	切削環境 Environment		刃徑 Dia	Φ6 (mm)	Φ8	Φ10	Φ12
合金鋼 Alloy Steel ≤HRC50℃	ap: 2D ae: 0.2D ae: 0.1D	乾式 Dry	VC: 350 VC: 150	rpm	18375 7875	13781 5906	11025 4725	9188 3938
				fz	0.03	0.05	0.08	0.1
				F	2205 945	2756 1181	3528 1512	3675 1575
		濕式 Wet	VC: 500	rpm	26500	19830	15900	13250
				fz	0.03	0.05	0.08	0.1
				F	3180	3966	5088	5300



若55—58°C，則數據同左圖紅字

產品編號 Item Code	刃徑 D	刃長 Lc	全長 L	柄徑 d	刃數 Teeth	牌價 Price
VGV010550S4R	1	5	50	4	SL4	
VGV010550S4RB	1	5	50	6	SL4	
VGV010575S4R	1	5	75	4	SL4	
VGV010575S4RB	1	5	75	6	SL4	
VGV021050S4R	2	10	50	4	SL4	
VGV021050S4RB	2	10	50	6	SL4	
VGV021075S4R	2	10	75	4	SL4	
VGV021075S4RB	2	10	75	6	SL4	
VGV031550S4R	3	15	50	4	SL4	
VGV031550S4RB	3	15	50	6	SL4	
VGV031575S4R	3	15	75	4	SL4	
VGV031575S4RB	3	15	75	6	SL4	
VGV042050S4R	4	20	50	4	SL4	
VGV042050S4RB	4	20	50	6	SL4	
VGV042075S4R	4	20	75	4	SL4	
VGV042075S4RB	4	20	75	6	SL4	
VGV052550S4R	5	25	50	6	SL4	
VGV052575S4R	5	25	75	6	SL4	
VGV063050S4R	6	30	50	6	SL4	
VGV063075S4R	6	30	75	6	SL4	
VGV0630100S4R	6	30	100	6	SL4	
VGV084075S4R	8	40	75	8	SL4	
VGV0840100S4R	8	40	100	8	SL4	
VGV1050100S4R	10	50	100	10	SL4	
VGV1250100S4R	12	50	100	12	SL4	
VGV1675150S4R	16	75	150	16	SL4	
VGV2080150S4R	20	80	150	20	SL4	

(A)

銑刀
ENDMILLS

(B)

鑽頭
DRILLS

(C)

絞刀
REAMERS

(D)

絲攻
TAPS

(E)

刀桿/刀盤
MILLING CUTTERS

(F)

刀片
INSERTS

(A)

銑刀
ENDMILLS

(B)

鑽頭
DRILLS

(C)

絞刀
REAMERS

(D)

絲攻
TAPS

(E)

刀桿/刀盤
MILLING CUTTERS

(F)

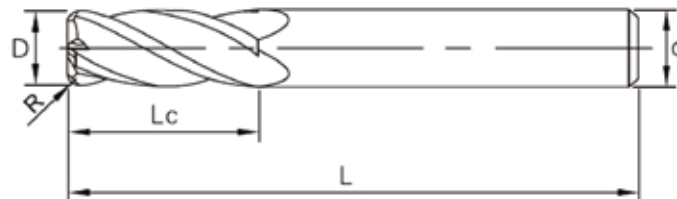
刀片
INSERTS

高速機床專用 R 角圓鼻刀 S4

High Speed 4-Flute Corner Radius End Mills For Machine Tools

M.C.T 之特性：

1. 磁浮銑刀有極低摩擦係數加工不產生高溫、無靜電、垂直度高，且熱能由鐵屑排出，工件不變型、尺寸穩定。
M.C.T. has low coefficient of friction can avoids generating static electricity and resists high temperature during metal processing due to the heat freeing from chippings. It features perpendicular Lines at right angles, no deformation or uneven surface on material.
2. 排熱性極佳，且耐高溫(約700°C)可在高溫下高速加工，能縮短工時、提高產能。
Good in heat rejection and resistance(700°C), usability of high-speed and high tempture processing to shorten workinghours and heighten productivity.
3. 特殊材質又硬又韌，可加工不銹鋼、熱處理材質 $\leq$ HRC62°
Feature in rigidity and hardness, and suitable for stainless steel and material of heat treatment $\leq$ HRC62°
4. 刀徑3mm以下時，刃長為刀徑2D。
Cuttinglengthis 2D whilediameteris under 3 mm.
5. 刀徑3mm(含)以上時，刃長為刀徑3D。
Cuttinglength is 3D while it is above 3mm.
6. 可高速排熱、乾式切削，且環保無汙染。
Good in heat rejection and can cutting without cutting fluid and pollution.

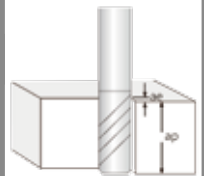


產品編號 Item Code	刀徑 D	R 角 R	刃長 Lc	全長 L	柄徑 d	刃數 Teeth	牌價 Price
VGCV01R0.10250S4	1	0.1R	2	50	4	S4	
VGCV01R0.20250S4	1	0.2R	2	50	4	S4	
VGCV02R0.10450S4	2	0.1R	4	50	4	S4	
VGCV02R0.20450S4	2	0.2R	4	50	4	S4	
VGCV03R0.10950S4	3	0.1R	9	50	4	S4	
VGCV03R0.20950S4	3	0.2R	9	50	4	S4	
VGCV03R0.20950S4B	3	0.2R	9	50	6	S4	
VGCV04R0.11250S4	4	0.1R	12	50	4	S4	
VGCV04R0.11250S4B	4	0.1R	12	50	6	S4	
VGCV04R0.21250S4	4	0.2R	12	50	4	S4	
VGCV04R0.21250S4B	4	0.2R	12	50	6	S4	

高速機床專用 R 角圓鼻刀 S4

High Speed 4-Flute Corner Radius End Mills For Machine Tools

被切削材 Work	切削深度 Depth	切削環境 Environment		刃徑 Dia	Φ6 (mm)	Φ8	Φ10	Φ12
合金鋼 Alloy Steel ≦HRC50℃	ap: 2D ae: 0.2D ae: 0.1D	乾式 Dry	VC: 350 VC: 150	rpm	18375 7875	13781 5906	11025 4725	9188 3938
				fz	0.03	0.05	0.08	0.1
				F	2205 945	2756 1181	3528 1512	3675 1575
		濕式 Wet	VC: 500	rpm	26500	19830	15900	13250
				fz	0.03	0.05	0.08	0.1
				F	3180	3966	5088	5300



若55—58°C，則數據同左圖紅字

產品編號 Item Code	刀徑 D	R 角 R	刃長 Lc	全長 L	柄徑 d	刃數 Teeth	牌價 Price
VGCV04R0.51250S4	4	0.5R	12	50	4	S4	
VGCV04R0.51250S4B	4	0.5R	12	50	6	S4	
VGCV05R0.21550S4	5	0.2R	15	50	6	S4	
VGCV05R0.51550S4	5	0.5R	15	50	6	S4	
VGCV06R0.21850S4	6	0.2R	18	50	6	S4	
VGCV06R0.51850S4	6	0.5R	18	50	6	S4	
VGCV06R1.01850S4	6	1.0R	18	50	6	S4	
VGCV08R0.22460S4	8	0.2R	24	60	8	S4	
VGCV08R0.52460S4	8	0.5R	24	60	8	S4	
VGCV08R1.02460S4	8	1.0R	24	60	8	S4	
VGCV10R0.53075S4	10	0.5R	30	75	10	S4	
VGCV10R1.03075S4	10	1.0R	30	75	10	S4	
VGCV10R1.53075S4	10	1.5R	30	75	10	S4	
VGCV10R2.03075S4	10	2.0R	30	75	10	S4	
VGCV12R0.53675S4	12	0.5R	36	75	12	S4	
VGCV12R1.03675S4	12	1.0R	36	75	12	S4	
VGCV12R1.53675S4	12	1.5R	36	75	12	S4	
VGCV12R2.03675S4	12	2.0R	36	75	12	S4	
VGCV16R0.550100S4	16	0.5R	50	100	16	S4	
VGCV16R1.050100S4	16	1.0R	50	100	16	S4	
VGCV16R2.050100S4	16	2.0R	50	100	16	S4	
VGCV20R0.550100S4	20	0.5R	50	100	20	S4	
VGCV20R1.050100S4	20	1.0R	50	100	20	S4	
VGCV20R2.050100S4	20	2.0R	50	100	20	S4	

不鏽鋼專用銑刀

End Mills For Stainless Steel

M.C.T 之特性：

1. 磁浮銑刀有極低摩擦係數加工不產生高溫、無靜電、垂直度高，且熱能由鐵屑排出，工件不變型、尺寸穩定。
M.C.T. has low coefficient of friction can avoids generating static electricity and resists high temperature during metal processing due to the heat freeing from chippings.
It features perpendicular Lines at right angles, no deformation or uneven surface on material.
2. 排熱性極佳，且耐高溫(約700°C)，不鬆刀不變型，可在高溫下高速加工，能縮短工時、提高產能。
Good in heat rejection and resistance(700°C) without slack and deformation, usability of high-speed and high tempture processing to shorten workinghours and heighten productivity.
3. 特殊材質又硬又韌且含鈷12%，特殊溝槽可排屑為不鏽鋼專用刀。
Hardness level of material and contain with 12% cobalt which suitable for stainless.
It also can remove chips through special grooves.
4. 刀刃為不等螺旋且2mm上刃長為刃徑的2.5D。
Irragular helix end mill with cutting length is 2.5 D while it is above 2 mm.
5. 可高速排熱、乾式切削，且環保無污染。
Good in heat rejection and can cutting without cutting fluid and pollution.



切削實例



產品編號 Item Code	刃徑 Diameter	刃長 Cutting Length	全長 O.A.L	柄徑 Shank Dia.	刃數 Teeth	牌價 Price
VQS010250S4R	1	2	50	4	S4	
VQS0150350S4R	1.5	3	50	4	S4	
VQS020550S4R	2	5	50	4	S4	
VQS020550S4RB	2	5	50	6	S4	
VQS0250650S4R	2.5	6	50	4	S4	
VQS0307550S4R	3	7.5	50	4	S4	
VQS0307550S4RB	3	7.5	50	6	S4	
VQS041050S4R	4	10	50	4	S4	
VQS041050S4RB	4	10	50	6	S4	
VQS0512550S4R	5	12.5	50	6	S4	
VQS061550S4R	6	15	50	6	S4	
VQS082060S4R	8	20	60	8	S4	
VQS102575S4R	10	25	75	10	S4	
VQS123075S4R	12	30	75	12	S4	
VQS1640100S4R	16	40	100	16	S4	
VQS1650100S4R	16	50	100	16	S4	
VQS2050100S4R	20	50	100	20	S4	

不鏽鋼專用長刃銑刀

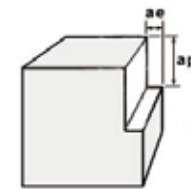
Length End Mills Stainless Steel

M.C.T 之特性：

1. 磁浮銑刀有極低摩擦係數加工不產生高溫、無靜電、垂直度高，且熱能由鐵屑排出，工件不變型、尺寸穩定。
M.C.T. has low coefficient of friction can avoids generating static electricity and resists high temperature during metal processing due to the heat freeing from chippings.
It features perpendicular Lines at right angles, no deformation or uneven surface on material.
2. 排熱性極佳，且耐高溫(約700°C)，不鬆刀不變型，可在高溫下高速加工，能縮短工時、提高產能。
Good in heat rejection and resistance(700°C) without slack and deformation, usability of high-speed and high tempture processing to shorten workinghours and heighten productivity.
3. 刀刃為不等螺旋且刃長為刃徑 5D。
Irragular helix end mill with cutting length is 5D.



被切削材 Work	切削深度 Depth	切削環境 Environment	刃徑 Dia	Φ6 (mm)	Φ8	Φ10	Φ12	
不鏽鋼 (SUS、304)	ap: 2D	乾式 Dry	VC: 300	rpm	15900	11900	9540	7950
				fz	0.03	0.05	0.08	0.1
				F	1908	2380	3052	3180
Stainless Steel (SUS, 304)	ae: 0.1D	濕式 Wet	VC: 500	rpm	26500	19830	15900	13250
				fz	0.03	0.05	0.08	0.1
				F	3180	3966	5088	5300



產品編號 Item Code	刃徑 Diameter	刃長 Cutting Length	全長 O.A.L	柄徑 Shank Dia.	刃數 Teeth	牌價 Price
VQS010575S4RB	1	5	75	6	SL4	
VQS021075S4RB	2	10	75	6	SL4	
VQS031575S4RB	3	15	75	6	SL4	
VQS042075S4RB	4	20	75	6	SL4	
VQS052575S4R	5	25	75	6	SL4	
VQS063075S4R	6	30	75	6	SL4	
VQS0630100S4R	6	30	100	6	SL4	
VQS084075S4R	8	40	75	8	SL4	
VQS0840100S4R	8	40	100	8	SL4	
VQS1050100S4R	10	50	100	10	SL4	
VQS1255100S4R	12	55	100	12	SL4	
VQS1675150S4R	16	75	150	16	SL4	
VQS2080150S4R	20	80	150	20	SL4	

不鏽鋼專用R角圓鼻刀

Irragular Helix Corner Radius End Mills For Stainless Steel

M.C.T 之特性：

- 1.磁浮銑刀有極低摩擦係數加工不產生高溫、無靜電、垂直度高，且熱能由鐵屑排出，工件不變型、尺寸穩定。
M.C.T. has low coefficient of friction can avoids generating static electricity and resists high temperature during metal processing due to the heat freeing from chippings. It features perpendicular Lines at right angles, no deformation or uneven surface on material.
- 2.排熱性極佳，且耐高溫(約700°C)可在高溫下高速加工，能縮短工時、提高產能。
Good in heat rejection and resistance(700°C), usability of high-speed and high tempture processing to shorten working hours and heighten productivity.
- 3.刃徑2mm以下時，刃長為刃徑2D。
Cutting length is 2D while diameter under 2 mm.
- 4.刃徑2mm(含)以上時，刃長為刃徑2.5D。
Cutting length is 2.5D while it is above or equal to 2 mm.
- 5.可訂製非標尺寸。
Customize available.
- 6.可高速排熱、乾式切削，且環保無汙染。
Good in heat rejection and can cutting without cutting fluid and pollution.
- 7.側銑ae:0.1mm vc:150m/min
Side Milling: ae:0.1mm vc:150m/min



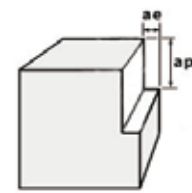
產品編號 Item Code	刃徑 D	R角 R	刃長 Lc	全長 L	柄徑 d	刃數 Teeth	牌價 Price
VQCSU01R0.20250S4	1	0.2R	2	50	4	S4	
VQCSU02R0.20550S4	2	0.2R	5	50	4	S4	
VQCSU03R0.207550S4	3	0.2R	7.5	50	4	S4	
VQCSU03R0.207550S4B	3	0.2R	7.5	50	6	S4	
VQCSU04R0.21050S4	4	0.2R	10	50	4	S4	
VQCSU04R0.21050S4B	4	0.2R	10	50	6	S4	
VQCSU04R0.51050S4	4	0.5R	10	50	4	S4	
VQCSU04R0.51050S4B	4	0.5R	10	50	6	S4	
VQCSU05R0.212550S4	5	0.2R	12.5	50	6	S4	
VQCSU05R0.512550S4	5	0.5R	12.5	50	6	S4	

不鏽鋼專用R角圓鼻刀

Irragular Helix Corner Radius End Mills For Stainless Steel

- 8.特殊材質又硬又韌且含鈷12%，特殊溝槽可排屑為不鏽鋼專用刀。
Hardness level of material and contain with 12% cobalt which suitable for stainless.
It also can remove chips through special grooves.

被切削材 Work	切削深度 Depth	切削環境 Environment	刃徑 Dia	Φ6 (mm)	Φ8	Φ10	Φ12	
不鏽鋼 (SUS、304)	ap: 2D	乾式 Dry	VC: 300	rpm	15900	11900	9540	7950
				fz	0.03	0.05	0.08	0.1
				F	1908	2380	3052	3180
Stainless Steel (SUS, 304)	ae: 0.1D	濕式 Wet	VC: 500	rpm	26500	19830	15900	13250
				fz	0.03	0.05	0.08	0.1
				F	3180	3966	5088	5300



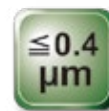
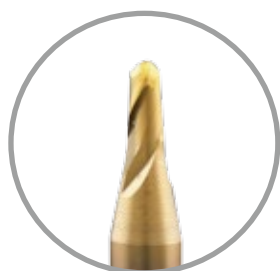
產品編號 Item Code	刃徑 D	R角 R	刃長 Lc	全長 L	柄徑 d	刃數 Teeth	牌價 Price
VQCSU06R0.21550S4	6	0.2R	15	50	6	S4	
VQCSU06R0.51550S4	6	0.5R	15	50	6	S4	
VQCSU06R1.01550S4	6	1.0R	15	50	6	S4	
VQCSU08R0.22060S4	8	0.2R	20	60	8	S4	
VQCSU08R0.52060S4	8	0.5R	20	60	8	S4	
VQCSU08R1.02060S4	8	1.0R	20	60	8	S4	
VQCSU10R0.52575S4	10	0.5R	25	75	10	S4	
VQCSU10R1.02575S4	10	1.0R	25	75	10	S4	
VQCSU10R1.52575S4	10	1.5R	25	75	10	S4	
VQCSU10R2.02575S4	10	2.0R	25	75	10	S4	
VQCSU12R0.53075S4	12	0.5R	30	75	12	S4	
VQCSU12R1.03075S4	12	1.0R	30	75	12	S4	
VQCSU12R1.53075S4	12	1.5R	30	75	12	S4	
VQCSU12R2.03075S4	12	2.0R	30	75	12	S4	
VQCSU16R0.550100S4	16	0.5R	50	100	16	S4	
VQCSU16R1.050100S4	16	1.0R	50	100	16	S4	
VQCSU16R2.050100S4	16	2.0R	50	100	16	S4	
VQCSU20R0.550100S4	20	0.5R	50	100	20	S4	
VQCSU20R1.050100S4	20	1.0R	50	100	20	S4	
VQCSU20R2.050100S4	20	2.0R	50	100	20	S4	

小徑不鏽鋼專用球銑刀 S2

2-Flute Minor Diameter Ball End Mills For Stainless Steel

M.C.T 之特性：

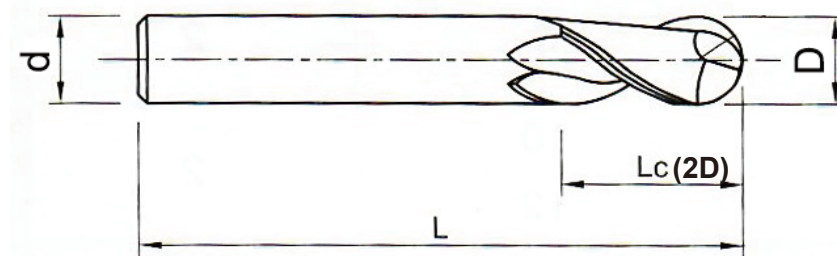
1. 磁浮銑刀有極低摩擦係數加工不產生高溫、無靜電、垂直度高，且熱能由鐵屑排出，工件不變型、尺寸穩定。
M.C.T. has low coefficient of friction can avoids generating static electricity and resists high temperature during metal processing due to the heat freeing from chippings. It features perpendicular Lines at right angles, no deformation or uneven surface on material.
2. 排熱性極佳，且耐高溫(約700°C)可在高溫下高速加工，能縮短工時、提高產能。
Good in heat rejection and resistance(700°C), usability of high-speed and high tempture processing to shorten working hours and heighten productivity.
3. 材質特殊硬又韌，可加工不鏽鋼及熱處理材質 $\leq$ HRC62°
Feature in rigidity and hardness to be defeated, and suitable for stainless steel and material of heat treatment $\leq$ HRC62°
4. 刃長為刃徑 2D。
Cutting length is 2D.
5. 可訂製非標尺寸。
Customize available.
6. 可高速排熱、乾式切削，且環保無污染。
Good in heat rejection and can cutting without cutting fluid and pollution.



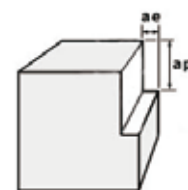
產品編號 Item Code	刃徑 D	刃長 Lc	全長 L	柄徑 d	刃數 Teeth	牌價 Price
VQBC0.1R0.450S2	0.1R	0.4	50	4	S2	
VQBC0.15R0.650S2	0.15R	0.6	50	4	S2	
VQBC0.2R0.850S2	0.2R	0.8	50	4	S2	
VQBC0.25R1.050S2	0.25R	1	50	4	S2	
VQBC0.3R1.250S2	0.3R	1.2	50	4	S2	
VQBC0.4R1.650S2	0.4R	1.6	50	4	S2	
VQBC0.5R0.250S2	0.5R	2	50	4	S2	
VQBC0.5R0.250S2B	0.5R	2	50	6	S2	
VQBC0.6R2.450S2	0.6R	2.4	50	4	S2	
VQBC0.7R2.850S2	0.7R	2.8	50	4	S2	
VQBC0.75R0.350S2	0.75R	3	50	4	S2	

小徑不鏽鋼專用球銑刀 S2

2-Flute Minor Diameter Ball End Mills For Stainless Steel



被切削材 Work	切削深度 Depth	切削環境 Environment		刃徑 Dia	Φ6 (mm)	Φ8	Φ10	Φ12
不鏽鋼 (SUS、304) Stainless Steel (SUS, 304)	ap: 2D ae: 0.1D	乾式 Dry	VC: 300	rpm	15900	11900	9540	7950
				fz	0.03	0.05	0.08	0.1
				F	954	1190	1526	1590
		濕式 Wet	VC: 500	rpm	26500	19830	15900	13250
				fz	0.03	0.05	0.08	0.1
				F	1590	1983	2544	2650



產品編號 Item Code	刃徑 D	刃長 Lc	全長 L	柄徑 d	刃數 Teeth	牌價 Price
VQBC0.8R3.250S2	0.8R	3.2	50	4	S2	
VQBC0.9R3.650S2	0.9R	3.6	50	4	S2	
VQBC1R0450S2	1R	4	50	4	S2	
VQBC1R0450S2B	1R	4	50	6	S2	
VQBC1.25R0550S2	1.25R	5	50	4	S2	
VQBC1.5R0650S2	1.5R	6	50	4	S2	
VQBC1.5R0650S2B	1.5R	6	50	6	S2	
VQBC1.75R0750S2	1.75R	7	50	4	S2	
VQBC2R0850S2	2R	8	50	4	S2	
VQBC2R0850S2B	2R	8	50	6	S2	
VQBC2.5R1050S2	2.5R	10	50	6	S2	
VQBC3R1250S2	3R	12	50	6	S2	
VQBC4R1660S2	4R	16	60	8	S2	
VQBC5R2075S2	5R	20	75	10	S2	
VQBC6R2475S2	6R	24	75	12	S2	
VQBC8R32100S2	8R	32	100	16	S2	
VQBC10R50100S2	10R	50	100	20	S2	

不鏽鋼專用長柄球銑刀 SL2

2-Long Shank Length Ball End Mills For Stainless Steel

M.C.T 之特性：

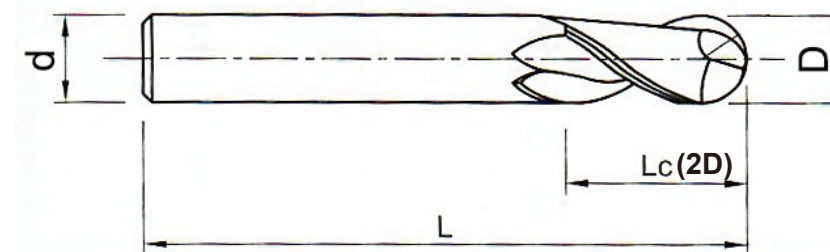
1. 磁浮銑刀有極低摩擦係數加工不產生高溫、無靜電、垂直度高，且熱能由鐵屑排出，工件不變型、尺寸穩定。
M.C.T. has low coefficient of friction can avoids generating static electricity and resists high temperature during metal processing due to the heat freeing from chippings. It features perpendicular Lines at right angles, no deformation or uneven surface on material.
2. 排熱性極佳，且耐高溫(約700°C)可在高溫下高速加工，能縮短工時、提高產能。
Good in heat rejection and resistance(700°C), usability of high-speed and high tempture processing to shorten working hours and heighten productivity.
3. 材質特殊硬又韌，可加工不鏽鋼及熱處理材質 $\leq$ HRC62°
Feature in rigidity and hardness to be defeated, and suitable for stainless steel and material of heat treatment $\leq$ HRC62°
4. 刃長為刃徑 2D。
Cutting length is 2D.
5. 可訂製非標尺寸。
Customize available.
6. 可高速排熱、乾式切削，且環保無汙染。
Good in heat rejection and can cutting without cutting fluid and pollution.



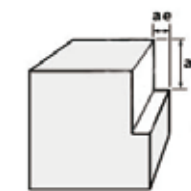
產品編號 Item Code	刃徑 D	刃長 Lc	全長 L	柄徑 d	刃數 Teeth	牌價 Price
VQBC1R0475S2	1R	4	75	4	SL2	
VQBC1R0475S2B	1R	4	75	6	SL2	
VQBC1.5R0675S2B	1.5R	6	75	6	SL2	
VQBC2R0875S2	2R	8	75	4	SL2	
VQBC2R0875S2B	2R	8	75	6	SL2	
VQBC2.5R1075S2	2.5R	10	75	6	SL2	
VQBC3R1275S2	3R	12	75	6	SL2	
VQBC3R12100S2	3R	12	100	6	SL2	

不鏽鋼專用長柄球銑刀 SL2

2-Long Shank Length Ball End Mills For Stainless Steel



被切削材 Work	切削深度 Depth	切削環境 Environment	刃徑 Dia	Φ6 (mm)	Φ8	Φ10	Φ12	
不鏽鋼 (SUS, 304) Stainless Steel (SUS, 304)	ap: 2D	乾式 Dry	VC: 300	rpm	15900	11900	9540	7950
				fz	0.03	0.05	0.08	0.1
	ae: 0.1D	濕式 Wet	VC: 500	F	954	1190	1526	1590
				rpm	26500	19830	15900	13250
				fz	0.03	0.05	0.08	0.1
				F	1590	1983	2544	2650



產品編號 Item Code	刃徑 D	刃長 Lc	全長 L	柄徑 d	刃數 Teeth	牌價 Price
VQBC3R12125S2	3R	12	125	6	SL2	
VQBC3R12150S2	3R	12	150	6	SL2	
VQBC4R1675S2	4R	16	75	8	SL2	
VQC4R16100S2	4R	16	100	8	SL2	
VQBC4R16125S2	4R	16	125	8	SL2	
VQBC4R16150S2	4R	16	150	8	SL2	
VQBC5R20100S2	5R	20	100	10	SL2	
VQBC5R20125S2	5R	20	125	10	SL2	
VQBC5R20150S2	5R	20	150	10	SL2	
VQBC6R24100S2	6R	24	100	12	SL2	
VQBC6R24125S2	6R	24	125	12	SL2	
VQBC6R24150S2	6R	24	150	12	SL2	
VQBC8R32125S2	8R	32	125	16	SL2	
VQBC8R32150S2	8R	32	150	16	SL2	

高效率粗銑刀

Efficient Roughing End Mills

M.C.T 之特性：

1. 磁浮銑刀有極低摩擦係數加工不產生高溫、無靜電、垂直度高，且熱能由鐵屑排出，工件不變型、尺寸穩定。
M.C.T. has low coefficient of friction can avoids generating static electricity and resists high temperature during metal processing due to the heat freeing from chippings. It features perpendicular Lines at right angles, no deformation or uneven surface on material.
2. 排熱性極佳，且耐高溫(約700°C)可在高溫下高速加工，能縮短工時、提高產能。
Good in heat rejection and resistance(700°C), usability of high-speed and high temperature processing to shorten working hours and heighten productivity.
3. 材質特殊硬又韌，可加工不鏽鋼及熱處理材質 $\leq \text{HRC}58^\circ$
Feature in rigidity and hardness to be defeated, and suitable for stainless steel and material of heat treatment $\leq \text{HRC}58^\circ$
4. 刃長為刃徑 2.5D。
Cutting length is 2.5D.
5. 可訂製非標尺寸。
Customize available.
6. 可高速排熱、乾式切削，且環保無汙染。
Good in heat rejection and can cutting without cutting fluid and pollution.



產品編號 Item Code	刃徑 Diameter	刃長 Cutting Length	全長 O.A.L	柄徑 Shank Dia.	刃數 Teeth	牌價 Price
VQRT061550S4	6	15	50	6	S4	
VQRT082060S4	8	20	60	8	S4	
VQRT102575S4	10	25	75	10	S4	
VQRT123075S4	12	30	75	12	S4	
VQRT1650100S4	16	50	100	16	S4	
VQRT2050100S7	20	50	100	20	S7	

高效率長刃粗銑刀

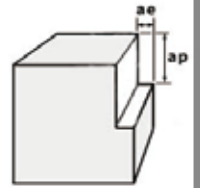
Efficient Long Flute Roughing End Mills

M.C.T 之特性：

1. 磁浮銑刀有極低摩擦係數加工不產生高溫、無靜電、垂直度高，且熱能由鐵屑排出，工件不變型、尺寸穩定。
M.C.T. has low coefficient of friction can avoids generating static electricity and resists high temperature during metal processing due to the heat freeing from chippings. It features perpendicular Lines at right angles, no deformation or uneven surface on material.
2. 排熱性極佳，且耐高溫(約700°C)可在高溫下高速加工，能縮短工時、提高產能。
Good in heat rejection and resistance(700°C), usability of high-speed and high temperature processing to shorten working hours and heighten productivity.
3. 刃長為刃徑 5D。
Cutting length is 5D.



被切削材 Work	切削深度 Depth	切削環境 Environment	刃徑 Dia	Φ6 (mm)	Φ8	Φ10	Φ12	
不鏽鋼 (SUS、304) Stainless Steel (SUS, 304)	ap: 2D	乾式 Dry	VC: 300	rpm	15900	11900	9540	7950
				fz	0.05	0.08	0.12	0.15
				F	3180	3808	4579	4770
	ae: 0.1D	濕式 Wet	VC: 500	rpm	26500	19830	15900	13250
				fz	0.05	0.08	0.12	0.15
				F	5300	6346	7632	7950



產品編號 Item Code	刃徑 Diameter	刃長 Cutting Length	全長 O.A.L	柄徑 Shank Dia.	刃數 Teeth	牌價 Price
VQRT063075S4	6	30	75	6	SL4	
VQRT0630100S4	6	30	100	6	SL4	
VQRT084075S4	8	40	75	8	SL4	
VQRT0840100S4	8	40	100	8	SL4	
VQRT1050100S4	10	50	100	10	SL4	
VQRT1250100S4	12	50	100	12	SL4	
VQRT1675150S4	16	75	150	16	SL4	
VQRT2080150S7	20	80	150	20	SL7	

超高速粗R角圓鼻刀

High-Speed Roughing Radius End Mills

M.C.T 之特性：

1. 磁浮銑刀有極低摩擦係數加工不產生高溫、無靜電、垂直度高，且熱能由鐵屑排出，工件不變型、尺寸穩定。
M.C.T. has low coefficient of friction can avoids generating static electricity and resists high temperature during metal processing due to the heat freeing from chippings. It features perpendicular Lines at right angles, no deformation or uneven surface on material.
2. 排熱性極佳，且耐高溫(約700°C)可在高溫下高速加工，能縮短工時、提高產能。
Good in heat rejection and resistance(700°C), usability of high-speed and high temperature processing to shorten working hours and heighten productivity.
3. 材質特殊硬又韌，可加工不鏽鋼及熱處理材質 $\leq$ HRC58°
Feature in rigidity and hardness to be defeated, and suitable for stainless steel and material of heat treatment $\leq$ HRC58°
4. 刃長為刃徑 2.5D。
Cutting length is 2.5D.
5. 可訂製非標尺寸。
Customize available.
6. 可高速排熱、乾式切削，且環保無污染。
Good in heat rejection and can cutting without cutting fluid and pollution.



產品編號 Item Code	刃徑 Diameter	刃長 Cutting Length	全長 O.A.L	柄徑 Shank Dia.	刃數 Teeth	牌價 Price
VQRCT061550S4	6	15	50	6	S4	
VQRCT082060S4	8	20	60	8	S4	
VQRCT102575S4	10	25	75	10	S4	
VQRCT123075S4	12	30	75	12	S4	
VQRCT1650100S4	16	50	100	16	S4	
VQRCT2050100S7	20	50	100	20	S7	

超高速長刃粗R角圓鼻刀

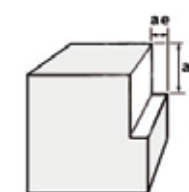
High-Speed Long Flute Roughing Radius End Mills

M.C.T 之特性：

1. 磁浮銑刀有極低摩擦係數加工不產生高溫、無靜電、垂直度高，且熱能由鐵屑排出，工件不變型、尺寸穩定。
M.C.T. has low coefficient of friction can avoids generating static electricity and resists high temperature during metal processing due to the heat freeing from chippings. It features perpendicular Lines at right angles, no deformation or uneven surface on material.
2. 排熱性極佳，且耐高溫(約700°C)可在高溫下高速加工，能縮短工時、提高產能。
Good in heat rejection and resistance(700°C), usability of high-speed and high temperature processing to shorten working hours and heighten productivity.
3. 刃長為刃徑 5D。
Cutting length is 5D.



被切削材 Work	切削深度 Depth	切削環境 Environment	刃徑 Dia	Φ6 (mm)	Φ8	Φ10	Φ12	
不鏽鋼 (SUS, 304)	ap: 2D	乾式 Dry	VC: 300	rpm	15900	11900	9540	7950
				fz	0.05	0.08	0.12	0.15
				F	3180	3808	4579	4770
Stainless Steel (SUS, 304)	ae: 0.1D	濕式 Wet	VC: 500	rpm	26500	19830	15900	13250
				fz	0.05	0.08	0.12	0.15
				F	5300	6346	7632	7950



產品編號 Item Code	刃徑 Diameter	刃長 Cutting Length	全長 O.A.L	柄徑 Shank Dia.	刃數 Teeth	牌價 Price
VQRCT063075S4	6	30	75	6	SL4	
VQRCT0630100S4	6	30	100	6	SL4	
VQRCT084075S4	8	40	75	8	SL4	
VQRCT0840100S4	8	40	100	8	SL4	
VQRCT1050100S4	10	50	100	10	SL4	
VQRCT1250100S4	12	50	100	12	SL4	
VQRCT1675150S4	16	75	150	16	SL4	
VQRCT2080150S7	20	80	150	20	SL7	

合金鋼用不等螺旋銑刀

4-Flute Irregular Helix End Mills for Alloy Steel

M.C.T 之特性：

1. 磁浮銑刀有極低摩擦係數加工不產生高溫、無靜電、垂直度高，且熱能由鐵屑排出，工件不變型、尺寸穩定。
M.C.T. has low coefficient of friction can avoids generating static electricity and resists high temperature during metal processing due to the heat freeing from chippings. It features perpendicular Lines at right angles, no deformation or uneven surface on material.
2. 排熱性極佳，且耐高溫(約700°C)可在高溫下高速加工，能縮短工時、提高產能。
Good in heat rejection and resistance(700°C), usability of high-speed and high tempture processing to shorten working hours and heighten productivity.
3. 適用合金鋼材質 $\leq$ HRC55°
Suitable for alloy steel $\leq$ HRC55°
4. 2mm 以上時刃長為刃徑的 2.5D，以下為 2D。
Cutting length is 2.5 D while it is above 2 mm, and is 2 D below 2 mm.
5. 可高速排熱、乾式切削，且環保無污染。
Good in heat rejection and can cutting without cutting fluid and pollution.



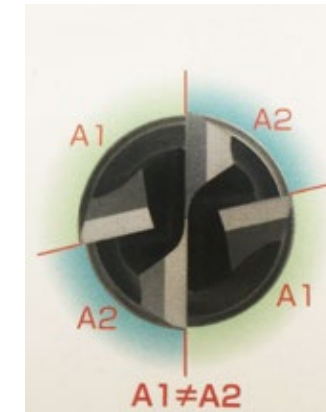
產品編號 Item Code	刃徑 Diameter	刃長 Cutting Length	全長 O.A.L	柄徑 Shank Dia.	刃數 Teeth	牌價 Price
VMS010250S4R	1	2	50	4	S4	
VMS0150350S4R	1.5	3	50	4	S4	
VMS020550S4R	2	5	50	4	S4	
VMS020550S4RB	2	5	50	6	S4	
VMS0250650S4R	2.5	6	50	4	S4	
VMS0307550S4R	3	7.5	50	4	S4	
VMS0307550S4RB	3	7.5	50	6	S4	
VMS041050S4R	4	10	50	4	S4	
VMS041050S4RB	4	10	50	6	S4	
VMS0512550S4R	5	12.5	50	6	S4	
VMS061550S4R	6	15	50	6	S4	
VMS082060S4R	8	20	60	8	S4	
VMS102575S4R	10	25	75	10	S4	
VMS123075S4R	12	30	75	12	S4	
VMS1640100S4R	16	40	100	16	S4	
VMS1650100S4R	16	50	100	16	S4	
VMS2050100S4R	20	50	100	20	S4	

合金鋼用不等螺旋銑刀

4-Long Flute Length Irregular Helix End Mills for Alloy Steel

M.C.T 之特性：

1. 磁浮銑刀有極低摩擦係數加工不產生高溫、無靜電、垂直度高，且熱能由鐵屑排出，工件不變型、尺寸穩定。
M.C.T. has low coefficient of friction can avoids generating static electricity and resists high temperature during metal processing due to the heat freeing from chippings. It features perpendicular Lines at right angles, no deformation or uneven surface on material.
2. 適用合金鋼材質 $\leq$ HRC55°
Suitable for alloy steel $\leq$ HRC55°
3. 2 mm 以上時刃長為刃徑的 5D，且可定製非標尺寸。
Cutting length is 5D and customize available.



被切削材 Work	切削深度 Depth	切削環境 Environment	刃徑 Dia	Φ6 (mm)	Φ8	Φ10	Φ12	
合金鋼 Alloy Steel	ap: 2D ae: 0.2D	濕式 Wet VC: 500	rpm	26500	19875	15900	13250	
			fz	0.05	0.08	0.12	0.15	
			F	5300	6360	7632	7950	

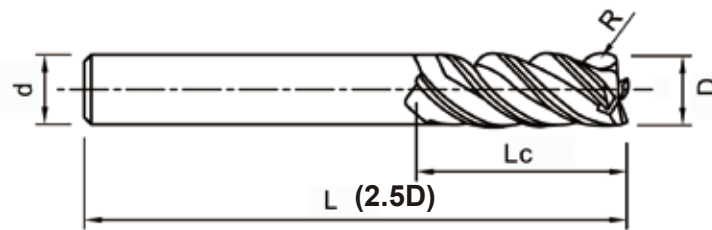
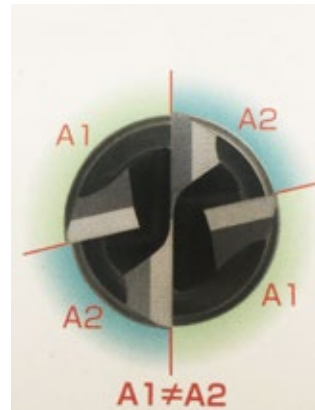
產品編號 Item Code	刃徑 Diameter	刃長 Cutting Length	全長 O.A.L	柄徑 Shank Dia.	刃數 Teeth	牌價 Price
VMS0101575S4R	1	1.5	75	6	SL4	
VMS021075S4R	2	10	75	6	SL4	
VMS031575S4R	3	15	75	6	SL4	
VMS042075S4R	4	20	75	6	SL4	
VMS052575S4R	5	25	75	6	SL4	
VMS063075S4R	6	30	75	6	SL4	
VMS0630100S4R	6	30	100	6	SL4	
VMS084075S4R	8	40	75	8	SL4	
VMS0840100S4R	8	40	100	8	SL4	
VMS1015000S4R	10	50	100	10	SL4	
VMS1260100S4R	12	60	100	12	SL4	
VMS1680150S4R	16	80	150	16	SL4	

合金鋼用圓鼻銑刀 / 不等螺旋

Irregular Helix Bull End Mills for Alloy Steel

M.C.T. 之特性：

1. 磁浮銑刀有極低摩擦係數加工不產生高溫、無靜電、垂直度高，且熱能由鐵屑排出，工件不變型、尺寸穩定。
M.C.T. has low coefficient of friction can avoids generating static electricity and resists high temperature during metal processing due to the heat freeing from chippings. It features perpendicular Lines at right angles, no deformation or uneven surface on material.
2. 排熱性極佳，且耐高溫(約700°C)可在高溫下高速加工，能縮短工時、提高產能。
Good in heat rejection and resistance(700°C), usability of high-speed and high tempture processing to shorten working hours and heighten productivity.
3. 適用合金鋼材質 $\leq$ HRC55°
Suitable for alloy steel $\leq$ HRC55°
4. 刃徑 2mm 以下時，刃長為刃徑2D。
Cutting length is 2D while diameter is under 2 mm.
5. 刃徑 2mm(含) 以上時，刃長為刃徑 2.5D。
Cutting length is 2.5 D while it is above or equal to 2 mm.
6. 可訂製非標尺寸。
Customize available.
7. 可高速排熱、乾式切削，且環保無污染。
Good in heat rejection and can cutting without cutting fluid and pollution.



產品編號 Item Code	刃徑 D	R角 R	刃長 Lc	全長 L	柄徑 d	刃數 Teeth	牌價 Price
VMCS01R0.20250S4	1	0.2R	2	50	4	S4	
VMCS02R0.20550S4	2	0.2R	5	50	4	S4	
VMCS03R0.207550S4	3	0.2R	7.5	50	4	S4	
VMCS03R0.207550S4B	3	0.2R	7.5	50	6	S4	
VMCS04R0.21050S4	4	0.2R	10	50	4	S4	
VMCS04R0.21050S4B	4	0.2R	10	50	6	S4	

合金鋼用圓鼻銑刀 / 不等螺旋

Irregular Helix Bull End Mills for Alloy Steel

被切削材 Work	切削深度 Depth	切削環境 Environment	刃徑 Dia	Φ6 (mm)	Φ8	Φ10	Φ12	
合金鋼 Alloy Steel	ap: 2D ae: 0.2D	濕式 Wet VC: 500	rpm	26500	19875	15900	13250	
			fz	0.05	0.08	0.12	0.15	
			F	5300	6360	7632	7950	

產品編號 Item Code	刃徑 D	R角 R	刃長 Lc	全長 L	柄徑 d	刃數 Teeth	牌價 Price
VMCS05R0.212550S4	5	0.2R	12.5	50	6	S4	
VMCS05R0.512550S4	5	0.5R	12.5	50	6	S4	
VMCS06R0.21550S4	6	0.2R	15	50	6	S4	
VMCS06R0.51550S4	6	0.5R	15	50	6	S4	
VMCS06R1.01550S4	6	1.0R	15	50	6	S4	
VMCS08R0.22060S4	8	0.2R	20	60	8	S4	
VMCS08R0.52060S4	8	0.5R	20	60	8	S4	
VMCS08R1.02060S4	8	1.0R	20	60	8	S4	
VMCS10R0.52575S4	10	0.5R	25	75	10	S4	
VMCS10R1.02575S4	10	1.0R	25	75	10	S4	
VMCS10R1.52575S4	10	1.5R	25	75	10	S4	
VMCS10R2.02575S4	10	2.0R	25	75	10	S4	
VMCS12R0.53075S4	12	0.5R	30	75	12	S4	
VMCS12R1.03075S4	12	1.0R	30	75	12	S4	
VMCS12R1.53075S4	12	1.5R	30	75	12	S4	
VMCS12R2.03075S4	12	2.0R	30	75	12	S4	
VMCS16R0.550100S4	16	0.5R	50	100	16	S4	
VMCS16R1.050100S4	16	1.0R	50	100	16	S4	
VMCS16R2.050100S4	16	2.0R	50	100	16	S4	
VMCS20R0.550100S4	20	0.5R	50	100	20	S4	

不鏽鋼用銑刀

End Mills For Stainless Steel

M.C.T 之特性：

- 1.磁浮銑刀有極低摩擦係數加工不產生高溫、無靜電、垂直度高，且熱能由鐵屑排出，工件不變型、尺寸穩定。
M.C.T. has low coefficient of friction can avoids generating static electricity and resists high temperature during metal processing due to the heat freeing from chippings. It features perpendicular Lines at right angles, no deformation or uneven surface on material.
- 2.排熱性極佳，且耐高溫(約700°C)可在高溫下高速加工，能縮短工時、提高產能。
Good in heat rejection and resistance(700°C), usability of high-speed and high tempture processing to shorten working hours and heighten productivity.
- 3.刃長為刃徑的 2.5D。
Cutting length is 2.5D.
- 4.適用不鏽鋼材質 ≤ HRC55°
Suitiable for stainless steel ≤ HRC55°
- 5.可訂製非標尺寸。
Customize available.
- 6.可高速排熱、乾式切削，且環保無汙染。
Good in heat rejection and can cutting without cutting fluid and pollution.

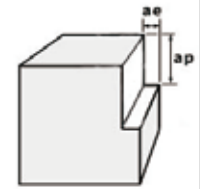


產品編號 Item Code	刃徑 D	刃長 Lc	全長 L	柄徑 d	刃數 Teeth	牌價 Price
VMTU00200550S2	0.2	0.5	50	4	S2	
VMTU00300750S2	0.3	0.75	50	4	S2	
VMTU0040150S2	0.4	1	50	4	S2	
VMTU0050150S2	0.5	1.25	50	4	S2	
VMTU0060150S2	0.6	1.5	50	4	S2	
VMTU0070150S2	0.7	1.75	50	4	S2	
VMTU0080250S2	0.8	2	50	4	S2	
VMTU0090250S2	0.9	2.25	50	4	S2	

不鏽鋼專用銑刀

End Mills For Stainless Steel

被切削材 Work	切削深度 Depth	切削環境 Environment		刃徑 Dia	Φ6 (mm)	Φ8	Φ10	Φ12
不鏽鋼 (SUS、304) Stainless Steel (SUS, 304)	ap: 2D	乾式 Dry	VC: 250	rpm	13250	9938	7950	6625
				fz	0.03	0.05	0.08	0.1
				F	1590	1988	2544	2650
	ae: 0.1D	濕式 Wet	VC: 500	rpm	26500	19830	15900	13250
				fz	0.03	0.05	0.08	0.1
				F	3180	3966	5088	5300



產品編號 Item Code	刃徑 D	刃長 Lc	全長 L	柄徑 d	刃數 Teeth	牌價 Price
VMTU010250S2	1	2.5	50	4	S2	670
VMTU010250S2B	1	2.5	50	6	S2	900
VMTU0150350S2	1.5	3.8	50	4	S2	670
VMTU0150350S2B	1.5	3.8	50	6	S2	900
VMTU020550S4	2	5	50	4	S4	670
VMTU020550S4B	2	5	50	6	S4	900
VMTU0250650S4	2.5	6.3	50	4	S4	670
VMTU0250650S4B	2.5	6.3	50	6	S4	900
VMTU030750S4	3	7.5	50	4	S4	670
VMTU030750S4B	3	7.5	50	6	S4	900
VMTU041050S4	4	10	50	4	S4	670
VMTU041050S4B	4	10	50	6	S4	900
VMTU051350S4	5	12.5	50	6	S4	900
VMTU061550S4	6	15	50	6	S4	900
VMTU082060S4	8	20	60	8	S4	1800
VMTU102575S4	10	25	75	10	S4	2500
VMTU123075S4	12	30	75	12	S4	3340
VMTU1640100S4	16	40	100	16	S4	7800
VMTU2050100S4	20	50	100	20	S4	10400

不鏽鋼專用R角圓鼻刀

Corner Radius End Mills For Stainless Steel

M.C.T. 之特性：

- 1.磁浮銑刀有極低摩擦係數加工不產生高溫、無靜電、垂直度高，且熱能由鐵屑排出，工件不變型、尺寸穩定。
M.C.T. has low coefficient of friction can avoids generating static electricity and resists high temperature during metal processing due to the heat freeing from chippings. It features perpendicular Lines at right angles, no deformation or uneven surface on material.
- 2.排熱性極佳，且耐高溫(約700℃)可在高溫下高速加工，能縮短工時、提高產能。
Good in heat rejection and resistance(700℃), usability of high-speed and high tempture processing to shorten working hours and heighten productivity.
- 3.刃徑2mm以下時，刃長為刃徑2D。
Cutting length is 2D while diameter under 2 mm.
- 4.刃徑2mm(含)以上時，刃長為刃徑2.5D。
Cutting length is 2.5D while it is above or equal to 2 mm.
- 5.可訂製非標尺寸。
Customize available.
- 6.可高速排熱、乾式切削，且環保無汙染。
Good in heat rejection and can cutting without cutting fluid and pollution.
- 7.適用不鏽鋼材質≤HRC55°
Suitiable for stainless steel ≤ HRC55°



產品編號 Item Code	刃徑 D	R角 R	刃長 Lc	全長 L	柄徑 d	刃數 Teeth	牌價 Price
VMC01R0.20250S4	1	0.2R	2	50	4	S4	
VMCTU02R0.20550S4	2	0.2R	5	50	4	S4	
VMCTU03R0.207550S4	3	0.2R	7.5	50	4	S4	
VMCTU03R0.207550S4B	3	0.2R	7.5	50	6	S4	
VMCTU04R0.21050S4	4	0.2R	10	50	4	S4	
VMCTU04R0.21050S4B	4	0.2R	10	50	6	S4	
VMCTU04R0.51050S4	4	0.5R	10	50	4	S4	
VMCTU04R0.51050S4B	4	0.5R	10	50	6	S4	
VMCTU05R0.212550S4	5	0.2R	12.5	50	6	S4	
VMCTU05R0.512550S4	5	0.5R	12.5	50	6	S4	

不鏽鋼專用R角圓鼻刀

Corner Radius End Mills For Stainless Steel

被切削材 Work	切削深度 Depth	切削環境 Environment	刃徑 Dia	Φ6 (mm)	Φ8	Φ10	Φ12	
不鏽鋼 (SUS、304) Stainless Steel (SUS, 304)	ap: 2D ae: 0.1D	乾式 Dry VC: 250	rpm	13250	9938	7950	6625	
			fz	0.03	0.05	0.08	0.1	
			F	1590	1988	2544	2650	
			rpm	26500	19830	15900	13250	
		濕式 Wet VC: 500	fz	0.03	0.05	0.08	0.1	
			F	3180	3966	5088	5300	

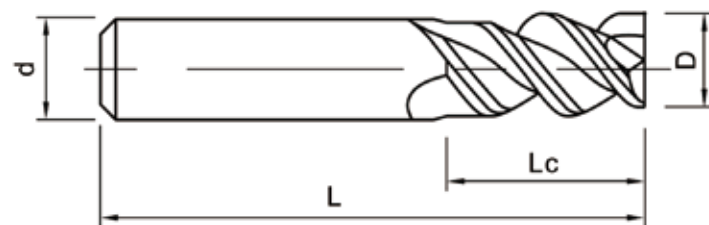
產品編號 Item Code	刃徑 D	R角 R	刃長 Lc	全長 L	柄徑 d	刃數 Teeth	牌價 Price
VMCTU06R0.21550S4	6	0.2R	15	50	6	S4	
VMCTU06R0.51550S4	6	0.5R	15	50	6	S4	
VMCTU06R1.01550S4	6	1.0R	15	50	6	S4	
VMCTU08R0.22060S4	8	0.2R	20	60	8	S4	
VMCTU08R0.52060S4	8	0.5R	20	60	8	S4	
VMCTU08R1.02060S4	8	1.0R	20	60	8	S4	
VMCTU10R0.52575S4	10	0.5R	25	75	10	S4	
VMCTU10R1.02575S4	10	1.0R	25	75	10	S4	
VMCTU10R1.52575S4	10	1.5R	25	75	10	S4	
VMCTU10R2.02575S4	10	2.0R	25	75	10	S4	
VMCTU12R0.53075S4	12	0.5R	30	75	12	S4	
VMCTU12R1.03075S4	12	1.0R	30	75	12	S4	
VMCTU12R1.53075S4	12	1.5R	30	75	12	S4	
VMCTU12R2.03075S4	12	2.0R	30	75	12	S4	
VMCTU16R0.550100S4	16	0.5R	50	100	16	S4	
VMCTU16R1.050100S4	16	1.0R	50	100	16	S4	
VMCTU16R2.050100S4	16	2.0R	50	100	16	S4	
VMCTU20R0.550100S4	20	0.5R	50	100	20	S4	
VMCTU20R1.050100S4	20	1.0R	50	100	20	S4	
VMCTU20R2.050100S4	20	2.0R	50	100	20	S4	

不黏刀鋁用銑刀

No-Sticky Surface End Mills For Aluminum

M.C.T 之特性：

1. 磁浮銑刀有極低摩擦係數加工不產生高溫、無靜電、垂直度高，且熱能由鐵屑排出，工件不變型、尺寸穩定。
M.C.T. has low coefficient of friction can avoids generating static electricity and resists high temperature during metal processing due to the heat freeing from chippings. It features perpendicular Lines at right angles, no deformation or uneven surface on material.
2. 排熱性極佳，且耐高溫(約700°C)可在高溫下高速加工，能縮短工時、提高產能。
Good in heat rejection and resistance(700°C), usability of high-speed and high temperature processing to shorten working hours and heighten productivity.
3. 刃長為刃徑的 2.5D。
Cutting length is 2.5D.
4. 刃徑 2mm 以下為 2 刃，刃徑 2mm(含) 以上為 3 刃。
It is two flutes while shank diameter under 2 mm, and three flutes while shank diameter above 2 mm.
5. 可訂製非標尺寸。
Customize available.
6. 可高速排熱、乾式切削，且環保無污染。
Good in heat rejection and can cutting without cutting fluid and pollution.
7. 若要乾式切削，至少需兩氣孔噴屑，避免二次磨擦。
It need at least 2 air hole to blow chips which can avoid the repeat friction if it cutting without fluid.



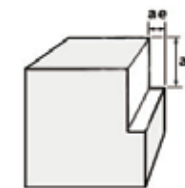
產品編號 Item Code	刃徑 D	刃長 Lc	全長 L	柄徑 d	刃數 Teeth	牌價 Price
VAMT00200550S2	0.2	0.5	50	4	S2	
VAMT00300750S2	0.3	0.75	50	4	S2	
VAMT0040150S2	0.4	1	50	4	S2	
VAMT0050150S2	0.5	1.25	50	4	S2	
VAMT0060150S2	0.6	1.5	50	4	S2	
VAMT0070150S2	0.7	1.75	50	4	S2	
VAMT0080250S2	0.8	2	50	4	S2	
VAMT0090250S2	0.9	2.25	50	4	S2	

不黏刀鋁用銑刀

No-Sticky Surface End Mills For Aluminum

*本數據需二噴氣孔噴屑

被切削材 Work	切削深度 Depth	切削環境 Environment	刃徑 Dia	Φ6 (mm)	Φ8	Φ10	Φ12	
鋁/銅 Aluminum/ Copper	ap: 2D ae: 0.1D	乾式 Dry	VC: 400 (m/min)	rpm	21000	15750	12600	10500
				fz	0.03	0.05	0.08	0.1
				F	1890	2363	3024	3150
		濕式 Wet	VC: 1200 (m/min)	rpm	63000	47250	37800	31500
				fz	0.03	0.05	0.08	0.1
				F	5670	7088	9072	9450



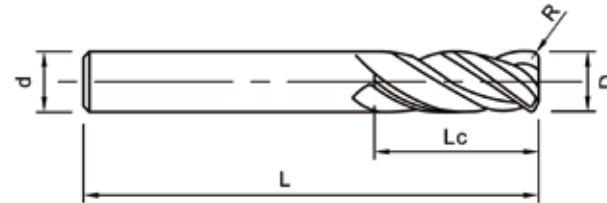
產品編號 Item Code	刃徑 D	刃長 Lc	全長 L	柄徑 d	刃數 Teeth	牌價 Price
VAMT010250S2	1	2.5	50	4	S2	670
VAMT010250S2B	1	2.5	50	6	S2	900
VAMT0150350S2	1.5	3.8	50	4	S2	670
VAMT0150350S2B	1.5	3.8	50	6	S2	900
VAMT020550S3	2	5	50	4	S3	670
VAMT020550S3B	2	5	50	6	S3	900
VAMT0250650S3	2.5	6.3	50	4	S3	670
VAMT0250650S3B	2.5	6.3	50	6	S3	900
VAMT030750S3	3	7.5	50	4	S3	670
VAMT030750S3B	3	7.5	50	6	S3	900
VAMT041050S3	4	10	50	4	S3	670
VAMT041050S3B	4	10	50	6	S3	900
VAMT051350S3	5	12.5	50	6	S3	900
VAMT061550S3	6	15	50	6	S3	900
VAMT082060S3	8	20	60	8	S3	1800
VAMT102575S3	10	25	75	10	S3	2500
VAMT123075S3	12	30	75	12	S3	3340
VAMT1640100S3	16	40	100	16	S3	7800
VAMT2050100S3	20	50	100	20	S3	10400

R角鋁用圓鼻刀

Corner Radius End Mills For Aluminum

M.C.T 之特性：

- 1.磁浮銑刀有極低摩擦係數加工不產生高溫、無靜電、垂直度高，且熱能由鐵屑排出，工件不變型、尺寸穩定。
M.C.T. has low coefficient of friction can avoids generating static electricity and resists high temperature during metal processing due to the heat freeing from chippings. It features perpendicular Lines at right angles, no deformation or uneven surface on material.
- 2.排熱性極佳，且耐高溫(約700°C)可在高溫下高速加工，能縮短工時、提高產能。
Good in heat rejection and resistance(700°C), usability of high-speed and high temperature processing to shorten working hours and heighten productivity.
- 3.刃徑 3mm 以下，刃長為刃徑2D；
刃徑3mm(含)以上，刃長為刃徑3D。
Cutting length is 2D while diameter is under 3mm. Cutting length is 3D while it is above 3mm.
- 4.可訂製非標尺寸。
Customize available.
- 5.可高速排熱、乾式切削，且環保無污染。
Good in heat rejection and can cutting without cutting fluid and pollution.
- 6.若要乾式切削，至少需兩氣孔噴屑，避免二次磨擦。
It need at least 2 air hole to blow chips which can avoid the repeat friction if it cutting without fluid.



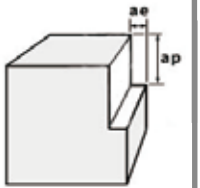
產品編號 Item Code	刃徑 D	R角 R	刃長 Lc	全長 L	柄徑 d	刃數 Teeth	牌價 Price
VAMCT01R0.20250S2	1	0.2R	2	50	4	S2	
VAMCT02R0.20450S4	2	0.2R	4	50	4	S4	
VAMCT03R0.20950S3	3	0.2R	9	50	4	S3	
VAMCT03R0.20950S3B	3	0.2R	9	50	6	S3	
VAMCT04R0.21250S3	4	0.2R	12	50	4	S3	
VAMCT04R0.21250S3B	4	0.2R	12	50	6	S3	
VAMCT04R0.51250S3	4	0.5R	12	50	4	S3	
VAMCT04R0.51250S3B	4	0.5R	12	50	6	S3	
VAMCT05R0.21550S3	5	0.2R	15	50	6	S3	
VAMCT05R0.51550S3	5	0.5R	15	50	6	S3	

R角鋁用圓鼻刀

Corner Radius End Mills For Aluminum

*本數據需二噴氣孔噴屑

被切削材 Work	切削深度 Depth	切削環境 Environment	刃徑 Dia	Φ6 (mm)	Φ8	Φ10	Φ12	
鋁/銅 Aluminum/ Copper	ap: 2D ae: 0.1D	乾式 Dry	VC: 400 (m/min)	rpm	21000	15750	12600	10500
				fz	0.03	0.05	0.08	0.1
				F	1890	2363	3024	3150
		濕式 Wet	VC: 1200 (m/min)	rpm	63000	47250	37800	31500
				fz	0.03	0.05	0.08	0.1
				F	5670	7088	9072	9450



產品編號 Item Code	刃徑 D	R角 R	刃長 Lc	全長 L	柄徑 d	刃數 Teeth	牌價 Price
VAMCT06R0.21850S3	6	0.2R	18	50	6	S3	
VAMCT06R0.51850S3	6	0.5R	18	50	6	S3	
VAMCT06R1.01850S3	6	1.0R	18	50	6	S3	
VAMCT08R0.22460S3	8	0.2R	24	60	8	S3	
VAMCT08R0.52460S3	8	0.5R	24	60	8	S3	
VAMCT08R1.02460S3	8	1.0R	24	60	8	S3	
VAMCT10R0.53075S3	10	0.5R	30	75	10	S3	
VAMCT10R1.03075S3	10	1.0R	30	75	10	S3	
VAMCT10R1.53075S3	10	1.5R	30	75	10	S3	
VAMCT10R2.03075S3	10	2.0R	30	75	10	S3	
VAMCT12R0.53675S3	12	0.5R	36	75	12	S3	
VAMCT12R1.03675S3	12	1.0R	36	75	12	S3	
VAMCT12R1.53675S3	12	1.5R	36	75	12	S3	
VAMCT12R2.03675S3	12	2.0R	36	75	12	S3	
VAMCT16R0.540100S3	16	0.5R	40	100	16	S3	
VAMCT16R1.040100S3	16	1.0R	40	100	16	S3	
VAMCT16R2.040100S3	16	2.0R	40	100	16	S3	
VAMCT20R0.550100S3	20	0.5R	50	100	20	S3	
VAMCT20R1.050100S3	20	1.0R	50	100	20	S3	
VAMCT20R2.050100S3	20	2.0R	50	100	20	S3	

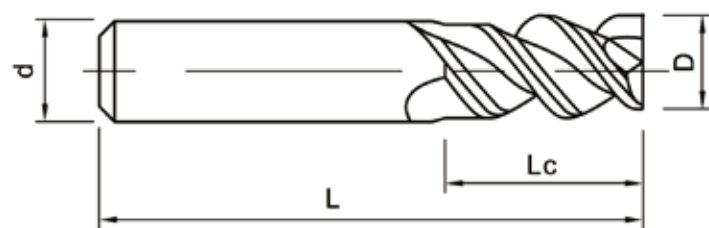
(A) 銑刀
ENDMILLS(B) 鑽頭
DRILLS(C) 絞刀
REAMERS(D) 絲攻
TAPS(E) 刀桿/刀盤
MILLING CUTTERS(F) 刀片
INSERTS

超高速鋁用銑刀

High Speed End Mills For Aluminum

M.C.T 之特性：

1. 磁浮銑刀有極低摩擦係數加工不產生高溫、無靜電、垂直度高，且熱能由鐵屑排出，工件不變型、尺寸穩定。
M.C.T. has low coefficient of friction can avoids generating static electricity and resists high temperature during metal processing due to the heat freeing from chippings. It features perpendicular Lines at right angles, no deformation or uneven surface on material.
2. 排熱性極佳，且耐高溫(約700°C)可在高溫下高速加工，能縮短工時、提高產能。
Good in heat rejection and resistance(700°C), usability of high-speed and high temperature processing to shorten working hours and heighten productivity.
3. 刃長為刃徑的 2.5D。
Cutting length is 2.5D.
4. 刃徑 2mm 以下為 2 刃，刃徑 2mm(含) 以上為 3 刃。
It is two flutes while shank diameter under 2 mm, and three flutes while shank diameter above 2 mm.
5. 可訂製非標尺寸。
Customize available.
6. 可高速排熱、乾式切削，且環保無污染。
Good in heat rejection and can cutting without cutting fluid and pollution.
7. 若要乾式切削，至少需兩氣孔噴屑，避免二次磨擦。
It need at least 2 air hole to blow chips which can avoid the repeat friction if it cutting without fluid.

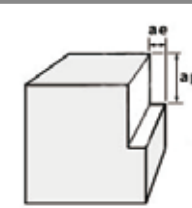


產品編號 Item Code	刃徑 D	刃長 Lc	全長 L	柄徑 d	刃數 Teeth	牌價 Price
VAGT00200550S2	0.2	0.5	50	4	S2	
VAGT00300750S2	0.3	0.75	50	4	S2	
VAGT0040150S2	0.4	1	50	4	S2	
VAGT0050150S2	0.5	1.25	50	4	S2	
VAGT0060150S2	0.6	1.5	50	4	S2	
VAGT0070150S2	0.7	1.75	50	4	S2	
VAGT0080250S2	0.8	2	50	4	S2	
VAGT0090250S2	0.9	2.25	50	4	S2	

超高速鋁用銑刀

High Speed End Mills For Aluminum

被切削材 Work	切削深度 Depth	切削環境 Environment	刃徑 Dia	Φ6 (mm)	Φ8	Φ10	Φ12	
鋁/銅 Aluminum/ Copper	ap: 2D ae: 0.5D	濕式 Wet	VC:1200 (m/min)	rpm	63000	47250	37800	31500
				fz	0.03	0.05	0.08	0.1
				F	5670	7088	9072	9450



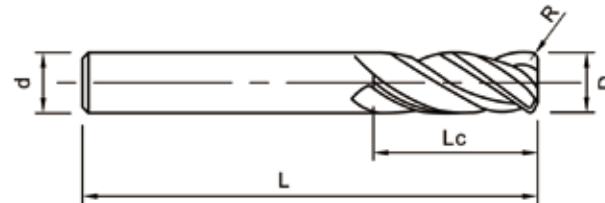
產品編號 Item Code	刃徑 D	刃長 Lc	全長 L	柄徑 d	刃數 Teeth	牌價 Price
VAGT010250S2	1	2.5	50	4	S2	670
VAGT010250S2B	1	2.5	50	6	S2	900
VAGT0150350S2	1.5	3.8	50	4	S2	670
VAGT0150350S2B	1.5	3.8	50	6	S2	900
VAGT020550S3	2	5	50	4	S3	670
VAGT020550S3B	2	5	50	6	S3	900
VAGT0250650S3	2.5	6.3	50	4	S3	670
VAGT0250650S3B	2.5	6.3	50	6	S3	900
VAGT030750S3	3	7.5	50	4	S3	670
VAGT030750S3B	3	7.5	50	6	S3	900
VAGT041050S3	4	10	50	4	S3	670
VAGT041050S3B	4	10	50	6	S3	900
VAGT051350S3	5	12.5	50	6	S3	900
VAGT061550S3	6	15	50	6	S3	900
VAGT082060S3	8	20	60	8	S3	1800
VAGT102575S3	10	25	75	10	S3	2500
VAGT123075S3	12	30	75	12	S3	3340
VAGT1640100S3	16	40	100	16	S3	7800
VAGT2050100S3	20	50	100	20	S3	10400

超高速R角鋁用圓鼻刀

No-Cutting Fluid Corner Radius End Mills For Aluminum

M.C.T 之特性：

1. 磁浮銑刀有極低摩擦係數加工不產生高溫、無靜電、垂直度高，且熱能由鐵屑排出，工件不變型、尺寸穩定。
M.C.T. has low coefficient of friction can avoids generating static electricity and resists high temperature during metal processing due to the heat freeing from chippings. It features perpendicular Lines at right angles, no deformation or uneven surface on material.
2. 排熱性極佳，且耐高溫(約700°C)可在高溫下高速加工，能縮短工時、提高產能。
Good in heat rejection and resistance(700°C), usability of high-speed and high temperature processing to shorten working hours and heighten productivity.
3. 刃徑 3mm 以下，刃長為刃徑2D；
刃徑3mm(含)以上，刃長為刃徑3D。
Cutting length is 2D while diameter is under 3mm. Cutting length is 3D while it is above 3mm.
4. 可訂製非標尺寸。
Customize available.
5. 可高速排熱、乾式切削，且環保無污染。
Good in heat rejection and can cutting without cutting fluid and pollution.
6. 若要乾式切削，至少需兩氣孔噴屑，避免二次磨擦。
It need at least 2 air hole to blow chips which can avoid the repeat friction if it cutting without fluid.

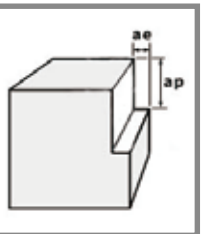


產品編號 Item Code	刃徑 D	R角 R	刃長 Lc	全長 L	柄徑 d	刃數 Teeth	牌價 Price
VAGCT01R0.20250S2	1	0.2R	2	50	4	S2	
VAGCT02R0.20450S4	2	0.2R	4	50	4	S4	
VAGCT03R0.20950S3	3	0.2R	9	50	4	S3	
VAGCT03R0.20950S3B	3	0.2R	9	50	6	S3	
VAGCT04R0.21250S3	4	0.2R	12	50	4	S3	
VAGCT04R0.21250S3B	4	0.2R	12	50	6	S3	
VAGCT04R0.51250S3	4	0.5R	12	50	4	S3	
VAGCT04R0.51250S3B	4	0.5R	12	50	6	S3	
VAGCT05R0.21550S3	5	0.2R	15	50	6	S3	
VAGCT05R0.51550S3	5	0.5R	15	50	6	S3	

超高速R角鋁用圓鼻刀

No-Cutting Fluid Corner Radius End Mills For Aluminum

被切削材 Work	切削深度 Depth	切削環境 Environment		刃徑 Dia	Φ6 (mm)	Φ8	Φ10	Φ12	
鋁/銅 Aluminum/ Copper	ap: 2D ae: 0.1D	濕式 Wet	VC:1200 (m/min)	rpm	63000	47250	37800	31500	
				fz	0.03	0.05	0.08	0.1	
				F	5670	7088	9072	9450	



產品編號 Item Code	刃徑 D	R角 R	刃長 Lc	全長 L	柄徑 d	刃數 Teeth	牌價 Price
VAGCT06R0.21850S3	6	0.2R	18	50	6	S3	
VAGCT06R0.51850S3	6	0.5R	18	50	6	S3	
VAGCT06R1.01850S3	6	1.0R	18	50	6	S3	
VAGCT08R0.22460S3	8	0.2R	24	60	8	S3	
VAGCT08R0.52460S3	8	0.5R	24	60	8	S3	
VAGCT08R1.02460S3	8	1.0R	24	60	8	S3	
VAGCT10R0.53075S3	10	0.5R	30	75	10	S3	
VAGCT10R1.03075S3	10	1.0R	30	75	10	S3	
VAGCT10R1.53075S3	10	1.5R	30	75	10	S3	
VAGCT10R2.03075S3	10	2.0R	30	75	10	S3	
VAGCT12R0.53675S3	12	0.5R	36	75	12	S3	
VAGCT12R1.03675S3	12	1.0R	36	75	12	S3	
VAGCT12R1.53675S3	12	1.5R	36	75	12	S3	
VAGCT12R2.03675S3	12	2.0R	36	75	12	S3	
VAGCT16R0.540100S3	16	0.5R	40	100	16	S3	
VAGCT16R1.040100S3	16	1.0R	40	100	16	S3	
VAGCT16R2.040100S3	16	2.0R	40	100	16	S3	
VAGCT20R0.550100S3	20	0.5R	50	100	20	S3	
VAGCT20R1.050100S3	20	1.0R	50	100	20	S3	
VAGCT20R2.050100S3	20	2.0R	50	100	20	S3	

鋁用粗銑刀

Roughing End Mills for Aluminum

M.C.T 之特性：

- 1.磁浮銑刀有極低摩擦係數加工不產生高溫、無靜電、垂直度高，且熱能由鐵屑排出，工件不變型、尺寸穩定。
M.C.T. has low coefficient of friction can avoids generating static electricity and resists high temperature during metal processing due to the heat freeing from chippings. It features perpendicular Lines at right angles, no deformation or uneven surface on material.
- 2.排熱性極佳，且耐高溫(約700°C)可在高溫下高速加工，能縮短工時、提高產能。
Good in heat rejection and resistance(700°C), usabilityof high-speedand high tempture processing to shorten workinghours and heighten productivity.
- 3.刃長為刃徑 2.5D。
Cutting length is 2.5D.
- 4.可訂製非標尺寸。
Customize available.
- 5.可高速排熱、乾式切削，且環保無污染。
Good in heat rejection and can cutting without cutting fluid and pollution.
- 6.若要乾式切削，至少需兩氣孔噴屑，避免二次磨擦。
It need at least 2 air hole to blow chips which can avoid the repeat friction if it cutting without fluid.



產品編號 Item Code	刃徑 Diameter	刃長 Cutting Length	全長 O.A.L	柄徑 Shank Dia.	刃數 Teeth	牌價 Price
VAMRT061550S3	6	15	50	6	S3	
VAMRT082060S3	8	20	60	8	S3	
VAMRT102575S3	10	25	75	10	S3	
VAMRT123075S3	12	30	75	12	S3	
VAMRT1650100S3	16	50	100	16	S3	
VAMRT2050100S3	20	50	100	20	S3	

鋁用長刃粗銑刀

Long Flute Roughing End Mills for Aluminum

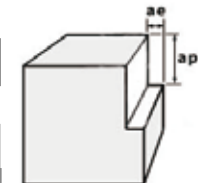
M.C.T 之特性：

- 1.磁浮銑刀有極低摩擦係數加工不產生高溫、無靜電、垂直度高，且熱能由鐵屑排出，工件不變型、尺寸穩定。
M.C.T. has low coefficient of friction can avoids generating static electricity and resists high temperature during metal processing due to the heat freeing from chippings. It features perpendicular Lines at right angles, no deformation or uneven surface on material.
- 2.排熱性極佳，且耐高溫(約700°C)可在高溫下高速加工，能縮短工時、提高產能。
Good in heat rejection and resistance(700°C), usabilityof high-speed and high temptprocessing to shorten workinghours and heighten productivity.
- 3.刃長為刃徑 2.5D。
Cutting length is 2.5D.



*本數據需二噴氣孔噴屑

被切削材 Work	切削深度 Depth	切削環境 Environment		刃徑 Dia	Φ6 (mm)	Φ8	Φ10	Φ12	
鋁/銅 Aluminum/ Copper	ap: 2D ae: 0.1D	乾式 Dry	VC: 400 (m/min)	rpm	21000	15750	12600	10500	
				fz	0.05	0.08	0.12	0.15	
				F	3150	3780	4536	4725	
		濕式 Wet	VC:1200 (m/min)	rpm	63000	47250	37800	31500	
				fz	0.05	0.08	0.12	0.15	
				F	9450	11340	13608	14175	



產品編號 Item Code	刃徑 Diameter	刃長 Cutting Length	全長 O.A.L	柄徑 Shank Dia.	刃數 Teeth	牌價 Price
VAMRT063075S3	6	30	75	6	SL3	
VAMRT0630100S3	6	30	100	6	SL3	
VAMRT084075S3	8	40	75	8	SL3	
VAMRT0840100S3	8	40	100	8	SL3	
VAMRT1050100S3	10	50	100	10	SL3	
VAMRT1250100S3	12	50	100	12	SL3	
VAMRT1675150S3	16	75	150	16	SL3	
VAMRT2080150S3	20	80	150	20	SL3	

粗鋁用圓鼻刀

Roughing Bull End Mills for Aluminum

M.C.T 之特性：

1. 磁浮銑刀有極低摩擦係數加工不產生高溫、無靜電、垂直度高，且熱能由鐵屑排出，工件不變型、尺寸穩定。
M.C.T. has low coefficient of friction can avoids generating static electricity and resists high temperature during metal processing due to the heat freeing from chippings. It features perpendicular Lines at right angles, no deformation or uneven surface on material.
2. 排熱性極佳，且耐高溫(約700°C)可在高溫下高速加工，能縮短工時、提高產能。
Good in heat rejection and resistance(700°C), usability of high-speed and high temperature processing to shorten working hours and heighten productivity.
3. 刃長為刃徑 2.5D。
Cutting length is 2.5D.
4. 可訂製非標尺寸。
Customize available.
5. 可高速排熱、乾式切削，且環保無汙染。
Good in heat rejection and can cutting without cutting fluid and pollution.
6. 若要乾式切削，至少需兩氣孔噴屑，避免二次磨擦。
It need at least 2 air hole to blow chips which can avoid the repeat friction if it cutting without fluid.



產品編號 Item Code	刃徑 Diameter	R角 Corner R	刃長 Cutting Length	全長 O.A.L	柄徑 Shank Dia.	刃數 Teeth	牌價 Price
VAMRCT06R0.51850S3	6	0.5R	18	50	6	S3	
VAMRCT06R1.01850S3	6	1.0R	18	50	6	S3	
VAMRCT08R1.02460S3	8	1.0R	24	60	8	S3	
VAMRCT08R1.52460S3	8	1.5R	24	60	8	S3	
VAMRCT08R2.02460S3	8	2.0R	24	60	8	S3	
VAMRCT10R1.03075S3	10	1.0R	30	75	10	S3	
VAMRCT10R1.53075S3	10	1.5R	30	75	10	S3	
VAMRCT10R2.03075S3	10	2.0R	30	75	10	S3	
VAMRCT12R1.03675S3	12	1.0R	36	75	12	S3	
VAMRCT12R2.03675S3	12	2.0R	36	75	12	S3	
VAMRCT16R1.050100S3	16	1.0R	50	100	16	S3	
VAMRCT16R1.550100S3	16	1.5R	50	100	16	S3	
VAMRCT16R2.050100S3	16	2.0R	50	100	16	S3	
VAMRCT20R1.050100S3	20	1.0R	50	100	20	S3	
VAMRCT20R2.050100S3	20	2.0R	50	100	20	S3	

粗鋁用長刃圓鼻刀

Long Flute Roughing Bull End Mills for Aluminum

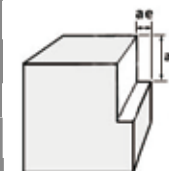
M.C.T 之特性：

1. 磁浮銑刀有極低摩擦係數加工不產生高溫、無靜電、垂直度高，且熱能由鐵屑排出，工件不變型、尺寸穩定。
M.C.T. has low coefficient of friction can avoids generating static electricity and resists high temperature during metal processing due to the heat freeing from chippings. It features perpendicular Lines at right angles, no deformation or uneven surface on material.
2. 排熱性極佳，且耐高溫(約700°C)可在高溫下高速加工，能縮短工時、提高產能。
Good in heat rejection and resistance(700°C), usability of high-speed and high temperature processing to shorten working hours and heighten productivity.
3. 刃長為刃徑 2.5D。
Cutting length is 2.5D.



*本數據需二噴氣孔噴屑

被切削材 Work	切削深度 Depth	切削環境 Environment	刃徑 Dia	Φ6 (mm)	Φ8	Φ10	Φ12	
鋁/銅 Aluminum/ Copper	ap: 2D ae: 0.1D	乾式 Dry	VC: 400 (m/min)	rpm	21000	15750	12600	10500
			fz	0.05	0.08	0.12	0.15	
			F	3150	3780	4536	4725	
		濕式 Wet	VC: 1200 (m/min)	rpm	63000	47250	37800	31500
			fz	0.05	0.08	0.12	0.15	
			F	9450	11340	13608	14175	



產品編號 Item Code	刃徑 Diameter	R角 Corner R	刃長 Cutting Length	全長 O.A.L	柄徑 Shank Dia.	刃數 Teeth	牌價 Price
VAMRCT06R0.53075S3	6	0.5R	30	75	6	SL3	
VAMRCT06R1.03075S3	6	1.0R	30	75	6	SL3	
VAMRCT08R1.04075S3	8	1.0R	40	75	8	SL3	
VAMRCT08R1.54075S3	8	1.5R	40	75	8	SL3	
VAMRCT08R2.04075S3	8	2.0R	40	75	8	SL3	
VAMRCT10R1.050100S3	10	1.0R	50	100	10	SL3	
VAMRCT10R1.550100S3	10	1.5R	50	100	10	SL3	
VAMRCT10R2.050100S3	10	2.0R	50	100	10	SL3	
VAMRCT12R1.050100S3	12	1.0R	50	100	12	SL3	
VAMRCT12R2.050100S3	12	2.0R	50	100	12	SL3	
VAMRCT16R0.575150S3	16	0.5R	75	150	16	SL3	
VAMRCT16R1.075150S3	16	1.0R	75	150	16	SL3	
VAMRCT16R2.075150S3	16	2.0R	75	150	16	SL3	
VAMRCT20R1.080150S3	20	1.0R	80	150	20	SL3	
VAMRCT20R2.080150S3	20	2.0R	80	150	20	SL3	

免冷卻鋁用粗銑刀

No-Cooling Roughing End Mills for Aluminum

M.C.T 之特性：

1. 磁浮銑刀有極低摩擦係數加工不產生高溫、無靜電、垂直度高，且熱能由鐵屑排出，工件不變型、尺寸穩定。
M.C.T. has low coefficient of friction can avoids generating static electricity and resists high temperature during metal processing due to the heat freeing from chippings. It features perpendicular Lines at right angles, no deformation or uneven surface on material.
2. 排熱性極佳，且耐高溫(約700°C)可在高溫下高速加工，能縮短工時、提高產能。
Good in heat rejection and resistance(700°C), usability of high-speed and high temperature processing to shorten working hours and heighten productivity.
3. 刃長為刃徑 2.5D。
Cutting length is 2.5D.
4. 可訂製非標尺寸。
Customize available.
5. 可高速排熱、乾式切削，且環保無污染。
Good in heat rejection and can cutting without cutting fluid and pollution.
6. 若要乾式切削，至少需兩氣孔噴屑，避免二次磨擦。
It need at least 2 air hole to blow chips which can avoid the repeat friction if it cutting without fluid.



產品編號 Item Code	刃徑 Diameter	刃長 Cutting Length	全長 O.A.L	柄徑 Shank Dia.	刃數 Teeth	牌價 Price
VAGRT061550S3	6	15	50	6	S3	
VAGRT082060S3	8	20	60	8	S3	
VAGRT102575S3	10	25	75	10	S3	
VAGRT123075S3	12	30	75	12	S3	
VAGRT1650100S3	16	50	100	16	S3	
VAGRT2050100S3	20	50	100	20	S3	

免冷卻鋁用長刃粗銑刀

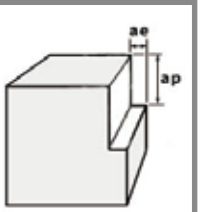
No-Cooling Long Flute Roughing End Mills for Aluminum

M.C.T 之特性：

1. 磁浮銑刀有極低摩擦係數加工不產生高溫、無靜電、垂直度高，且熱能由鐵屑排出，工件不變型、尺寸穩定。
M.C.T. has low coefficient of friction can avoids generating static electricity and resists high temperature during metal processing due to the heat freeing from chippings. It features perpendicular Lines at right angles, no deformation or uneven surface on material.
2. 排熱性極佳，且耐高溫(約700°C)可在高溫下高速加工，能縮短工時、提高產能。
Good in heat rejection and resistance(700°C), usability of high-speed and high temperature processing to shorten working hours and heighten productivity.
3. 刃長為刃徑 2.5D。
Cutting length is 2.5D.



被切削材 Work	切削深度 Depth	切削環境 Environment	刃徑 Dia	Φ6 (mm)	Φ8	Φ10	Φ12	
鋁/銅 Aluminum/ Copper	ap: 2D ae: 0.1D	濕式 Wet	VC: 1200 (m/min)	rpm	63000	47250	37800	31500
				fz	0.05	0.08	0.12	0.15
				F	9450	11340	13608	14175



產品編號 Item Code	刃徑 Diameter	刃長 Cutting Length	全長 O.A.L	柄徑 Shank Dia.	刃數 Teeth	牌價 Price
VAGRT063075S3	6	30	75	6	SL3	
VAGRT0630100S3	6	30	100	6	SL3	
VAGRT084075S3	8	40	75	8	SL3	
VAGRT0840100S3	8	40	100	8	SL3	
VAGRT1050100S3	10	50	100	10	SL3	
VAGRT1250100S3	12	50	100	12	SL3	
VAGRT1675150S3	16	75	150	16	SL3	
VAGRT2080150S3	20	80	150	20	SL3	

免冷卻粗鋁用圓鼻刀

No-Cooling Roughing Bull End Mills for Aluminum

M.C.T 之特性：

1. 磁浮銑刀有極低摩擦係數加工不產生高溫、無靜電、垂直度高，且熱能由鐵屑排出，工件不變型、尺寸穩定。
M.C.T. has low coefficient of friction can avoids generating static electricity and resists high temperature during metal processing due to the heat freeing from chippings. It features perpendicular Lines at right angles, no deformation or uneven surface on material.
2. 排熱性極佳，且耐高溫(約700°C)可在高溫下高速加工，能縮短工時、提高產能。
Good in heat rejection and resistance(700°C), usability of high-speed and high temperature processing to shorten working hours and heighten productivity.
3. 刃長為刃徑 2.5D。
Cutting length is 2.5D.
4. 可訂製非標尺寸。
Customize available.
5. 可高速排熱、乾式切削，且環保無汙染。
Good in heat rejection and can cutting without cutting fluid and pollution.
6. 若要乾式切削，至少需兩氣孔噴屑，避免二次磨擦。
It need at least 2 air hole to blow chips which can avoid the repeat friction if it cutting without fluid.



產品編號 Item Code	刃徑 Diameter	R角 Corner R	刃長 Cutting Length	全長 O.A.L	柄徑 Shank Dia.	刃數 Teeth	牌價 Price
VAGRCT06R0.51850S3	6	0.5R	18	50	6	S3	
VAGRCT06R1.01850S3	6	1.0R	18	50	6	S3	
VAGRCT08R1.02460S3	8	1.0R	24	60	8	S3	
VAGRCT08R1.52460S3	8	1.5R	24	60	8	S3	
VAGRCT08R2.02460S3	8	2.0R	24	60	8	S3	
VAGRCT10R1.03075S3	10	1.0R	30	75	10	S3	
VAGRCT10R1.53075S3	10	1.5R	30	75	10	S3	
VAGRCT10R2.03075S3	10	2.0R	30	75	10	S3	
VAGRCT12R1.03675S3	12	1.0R	36	75	12	S3	
VAGRCT12R2.03675S3	12	2.0R	36	75	12	S3	
VAGRCT16R1.050100S3	16	1.0R	50	100	16	S3	
VAGRCT16R1.550100S3	16	1.5R	50	100	16	S3	
VAGRCT16R2.050100S3	16	2.0R	50	100	16	S3	
VAGRCT20R1.050100S3	20	1.0R	50	100	20	S3	
VAGRCT20R2.050100S3	20	2.0R	50	100	20	S3	

免冷卻粗鋁用長刃圓鼻刀

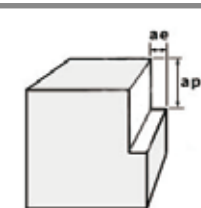
No-Cooling Long Flute Roughing Bull End Mills for Aluminum

M.C.T 之特性：

1. 磁浮銑刀有極低摩擦係數加工不產生高溫、無靜電、垂直度高，且熱能由鐵屑排出，工件不變型、尺寸穩定。
M.C.T. has low coefficient of friction can avoids generating static electricity and resists high temperature during metal processing due to the heat freeing from chippings. It features perpendicular Lines at right angles, no deformation or uneven surface on material.
2. 排熱性極佳，且耐高溫(約700°C)可在高溫下高速加工，能縮短工時、提高產能。
Good in heat rejection and resistance(700°C), usability of high-speed and high temperature processing to shorten working hours and heighten productivity.
3. 刃長為刃徑 2.5D。
Cutting length is 2.5D.



被切削材 Work	切削深度 Depth	切削環境 Environment	刃徑 Dia	Φ6 (mm)	Φ8	Φ10	Φ12	
鋁/銅 Aluminum/ Copper	ap: 2D ae: 0.1D	濕式 Wet	VC: 1200 (m/min)	rpm	63000	47250	37800	31500
				fz	0.05	0.08	0.12	0.15
				F	9450	11340	13608	14175



產品編號 Item Code	刃徑 Diameter	R角 Corner R	刃長 Cutting Length	全長 O.A.L	柄徑 Shank Dia.	刃數 Teeth	牌價 Price
VAGRCT06R0.53075S3	6	0.5R	30	75	6	SL3	
VAGRCT06R1.03075S3	6	1.0R	30	75	6	SL3	
VAGRCT08R1.04075S3	8	1.0R	40	75	8	SL3	
VAGRCT08R1.54075S3	8	1.5R	40	75	8	SL3	
VAGRCT08R2.04075S3	8	2.0R	40	75	8	SL3	
VAGRCT10R1.050100S3	10	1.0R	50	100	10	SL3	
VAGRCT10R1.550100S3	10	1.5R	50	100	10	SL3	
VAGRCT10R2.050100S3	10	2.0R	50	100	10	SL3	
VAGRCT12R1.050100S3	12	1.0R	50	100	12	SL3	
VAGRCT12R2.050100S3	12	2.0R	50	100	12	SL3	
VAGRCT16R0.575150S3	16	0.5R	75	150	16	SL3	
VAGRCT16R1.075150S3	16	1.0R	75	150	16	SL3	
VAGRCT16R2.075150S3	16	2.0R	75	150	16	SL3	
VAGRCT20R1.080150S3	20	1.0R	80	150	20	SL3	
VAGRCT20R2.080150S3	20	2.0R	80	150	20	SL3	

鈦合金專用圓鼻刀

Corner Radius End Mills For Titanium Alloy

M.C.T 之特性：

1. 磁浮銑刀有極低摩擦係數加工不產生高溫、無靜電、垂直度高，且熱能由鐵屑排出，工件不變型、尺寸穩定。
M.C.T. has low coefficient of friction can avoids generating static electricity and resists high temperature during metal processing due to the heat freeing from chippings. It features perpendicular Lines at right angles, no deformation or uneven surface on material.
2. 排熱性極佳，且耐高溫(約700°C)可在高溫下高速加工，能縮短工時、提高產能。
Good in heat rejection and resistance(700°C), usability of high-speed and high temperature processing to shorten working hours and heighten productivity.
3. 特殊材質又硬又韌，溝槽特殊設計，專門加工鈦合金及熱處理材質 $\leq$ HRC60°
Hardness level of material with the groove for titanium alloy process and material of heat treatment $\leq$ HRC60°
4. 刃徑3mm以下時，刃長為刃徑2D，刃徑3mm(含)以上時，刃長為刃徑3D。
Cutting length is 2D while diameter is under 3 mm. Cutting length is 3D while it is above 3 mm.
6. 可高速排熱、乾式切削，且環保無污染。
側銑: ae:0.1mm Vc:100m/mm
Good in heat rejection and can cutting without cutting fluid and pollution.
Side Cutting: ae:0.1mm Vc:100m/mm



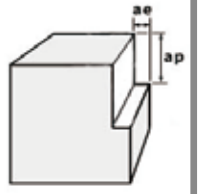
產品編號 Item Code	刃徑 D	R 角 R	刃長 Lc	全長 L	柄徑 d	刃數 Teeth	牌價 Price
VQCTT01R0.10250S4	1	0.1R	2	50	4	S4	
VQCTT01R0.20250S4	1	0.2R	2	50	4	S4	
VQCTT02R0.10450S4	2	0.1R	4	50	4	S4	
VQCTT02R0.20450S4	2	0.2R	4	50	4	S4	
VQCTT03R0.10950S4	3	0.1R	9	50	4	S4	
VQCTT03R0.20950S4	3	0.2R	9	50	4	S4	
VQCTT03R0.20950S4B	3	0.2R	9	50	6	S4	
VQCTT04R0.11250S4	4	0.1R	12	50	4	S4	
VQCTT04R0.11250S4B	4	0.1R	12	50	6	S4	
VQCTT04R0.21250S4	4	0.2R	12	50	4	S4	
VQCTT04R0.21250S4B	4	0.2R	12	50	6	S4	

鈦合金專用圓鼻刀

Corner Radius End Mills For Titanium Alloy

7. 若要乾式切削，至少需兩氣孔噴屑，避免二次磨擦。
It need at least 2 air hole to blow chips which can avoid the repeat friction if it cutting without fluid.

被切削材 Work	切削深度 Depth	切削環境 Environment	刃徑 Dia	Φ6 (mm)	Φ8	Φ10	Φ12	
不鏽鋼 (SUS、304)	ap: 2D	乾式 Dry	VC: 300	rpm	15900	11900	9540	7950
				fz	0.03	0.05	0.08	0.1
				F	1908	2380	3052	3180
Stainless Steel (SUS, 304)	ae: 0.1D	濕式 Wet	VC: 500	rpm	26500	19830	15900	13250
				fz	0.03	0.05	0.08	0.1
				F	3180	3966	5088	5300



產品編號 Item Code	刃徑 D	R 角 R	刃長 Lc	全長 L	柄徑 d	刃數 Teeth	牌價 Price
VQCTT04R0.51250S4	4	0.5R	12	50	4	S4	
VQCTT04R0.51250S4B	4	0.5R	12	50	6	S4	
VQCTT05R0.21550S4	5	0.2R	15	50	6	S4	
VQCTT05R0.51550S4	5	0.5R	15	50	6	S4	
VQCTT06R0.21850S4	6	0.2R	18	50	6	S4	
VQCTT06R0.51850S4	6	0.5R	18	50	6	S4	
VQCTT06R1.01850S4	6	1.0R	18	50	6	S4	
VQCTT08R0.22460S4	8	0.2R	24	60	8	S4	
VQCTT08R0.52460S4	8	0.5R	24	60	8	S4	
VQCTT08R1.02460S4	8	1.0R	24	60	8	S4	
VQCTT10R0.53075S4	10	0.5R	30	75	10	S4	
VQCTT10R1.03075S4	10	1.0R	30	75	10	S4	
VQCTT10R1.53075S4	10	1.5R	30	75	10	S4	
VQCTT10R2.03075S4	10	2.0R	30	75	10	S4	
VQCTT12R0.53675S4	12	0.5R	36	75	12	S4	
VQCTT12R1.03675S4	12	1.0R	36	75	12	S4	
VQCTT12R1.53675S4	12	1.5R	36	75	12	S4	
VQCTT12R2.03675S4	12	2.0R	36	75	12	S4	
VQCTT16R0.550100S4	16	0.5R	50	100	16	S4	
VQCTT16R1.050100S4	16	1.0R	50	100	16	S4	
VQCTT16R2.050100S4	16	2.0R	50	100	16	S4	
VQCTT20R0.550100S4	20	0.5R	50	100	20	S4	
VQCTT20R1.050100S4	20	1.0R	50	100	20	S4	
VQCTT20R2.050100S4	20	2.0R	50	100	20	S4	