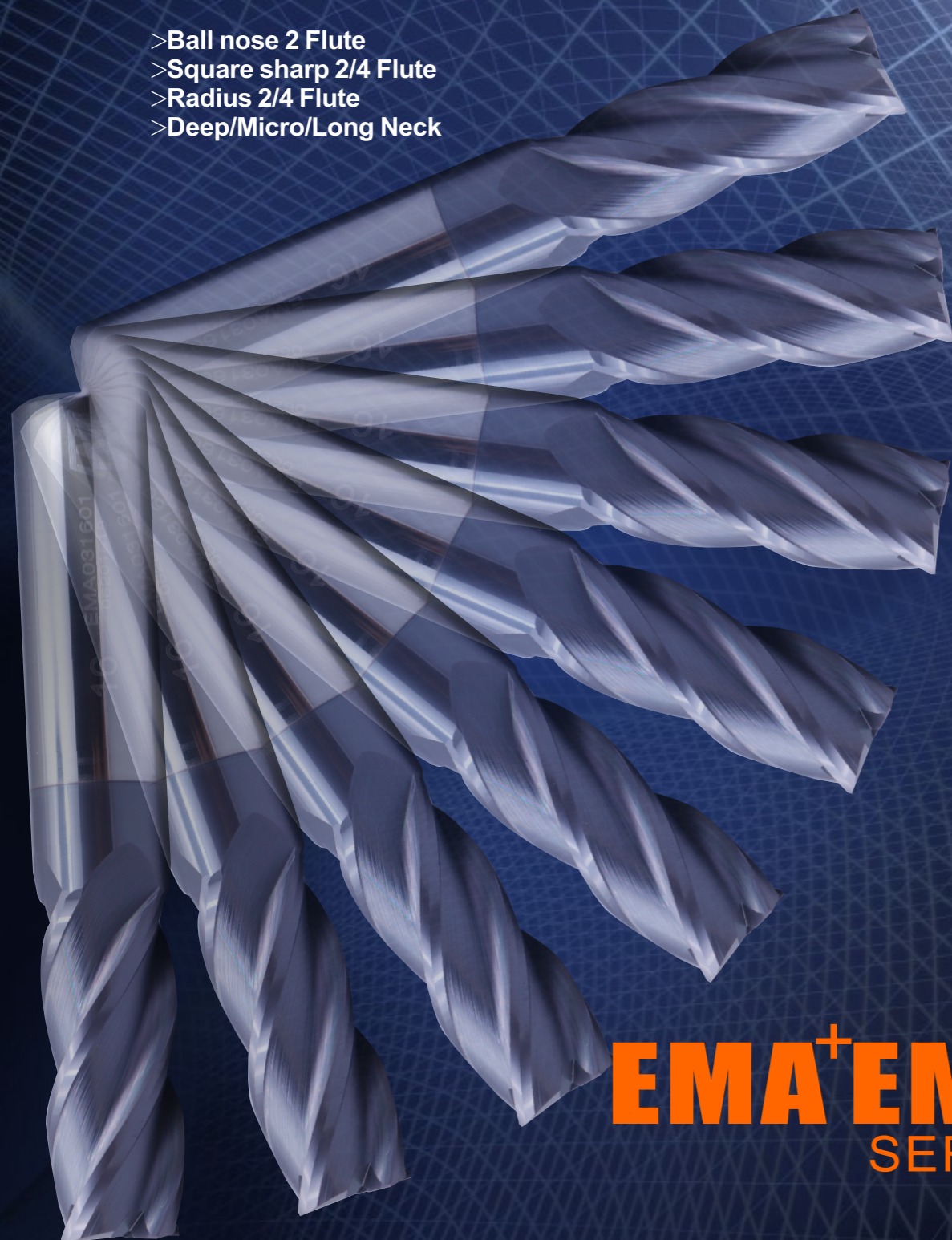




UNT PRECISION CUTTING TOOLS CO., LTD

HRC55-MULTI PURPOSE SOLID CARBIDE END MILLS

- > Ball nose 2 Flute
- > Square sharp 2/4 Flute
- > Radius 2/4 Flute
- > Deep/Micro/Long Neck



EMA⁺EMD SERIES



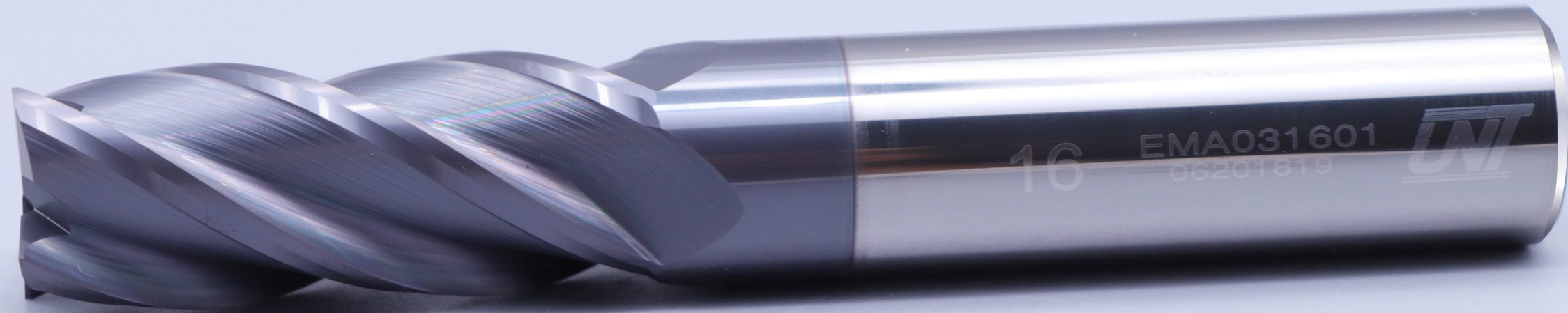
NEW SIZES

- 4FLUTE SHARP EDGE & CORNER RADIUS
- 4FLUTE CORNER PROTECTION
- 2FLUTE CORNER RADIUS
- DEEP REACH LONG NECK

EMA SERIES

UNT PRECISION CUTTING TOOLS CO., LTD

TEL: +86-769-8210 0281 • <http://www.unt-tools.com> • sales@unt-tools.com



- for Pre-Hardened Steels up to HRc55
- for High Speed Cutting
- for Excellent Surface Finish
- for Dry & Wet Cutting for Mold & Die

EMA+EMD SERIES

Carbide End mills, End mills for Stainless Steel

Material: P M K N S H

50-56 HRC

$\lambda = 35^\circ$

ALTiN

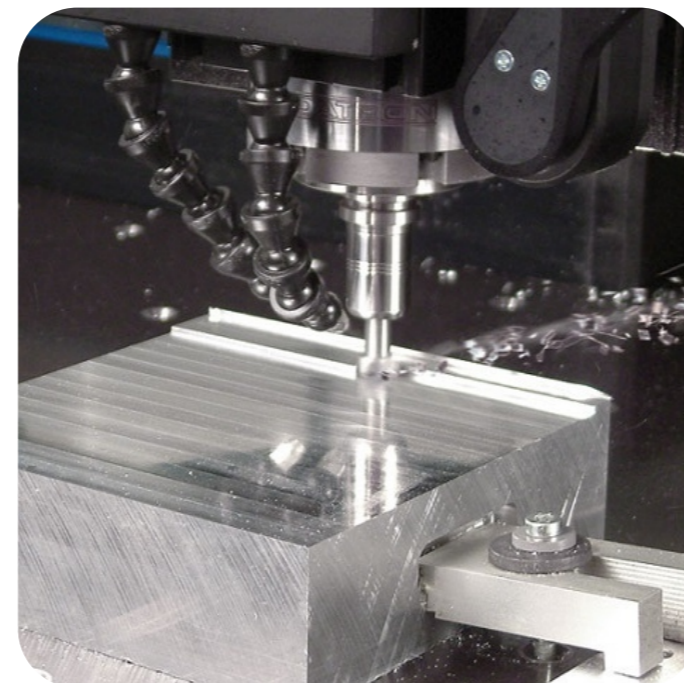
2 | 4

HRc55 TiAlN-COATED SOLID CARBIDE END MILLS

Product Parameters

Coating	AlTiN / TiAlN / TiSiN / NaCO / DLC / Diamond
Helix Angle	35/36/37
Material	IMC Carbide Rod
HRC	HRC50/56°
Shank	Cylindrical
Mill Dia Tolerance	0-0.030
Shank Dia Tolerance	H6

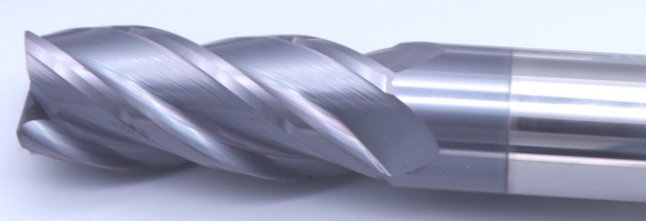
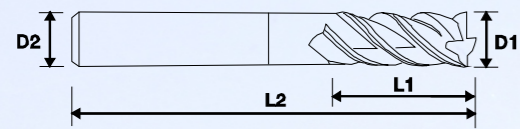
Application	Radius Milling		Copy Milling		Pocket Milling	
	Roughing	Finishing	Roughing	Finishing	Roughing	Finishing
Ballnose type						



Metal processing



NUMBER OF FLUTES 	SHANK TOLERANCE 	BALL RADIUS TOLERANCE 	COATING 	HELIX ANGLE 	MACHINING DIRECTOR
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EMA-03

SOLID CARBIDE SQUARE 4 FLUTE END MILLS

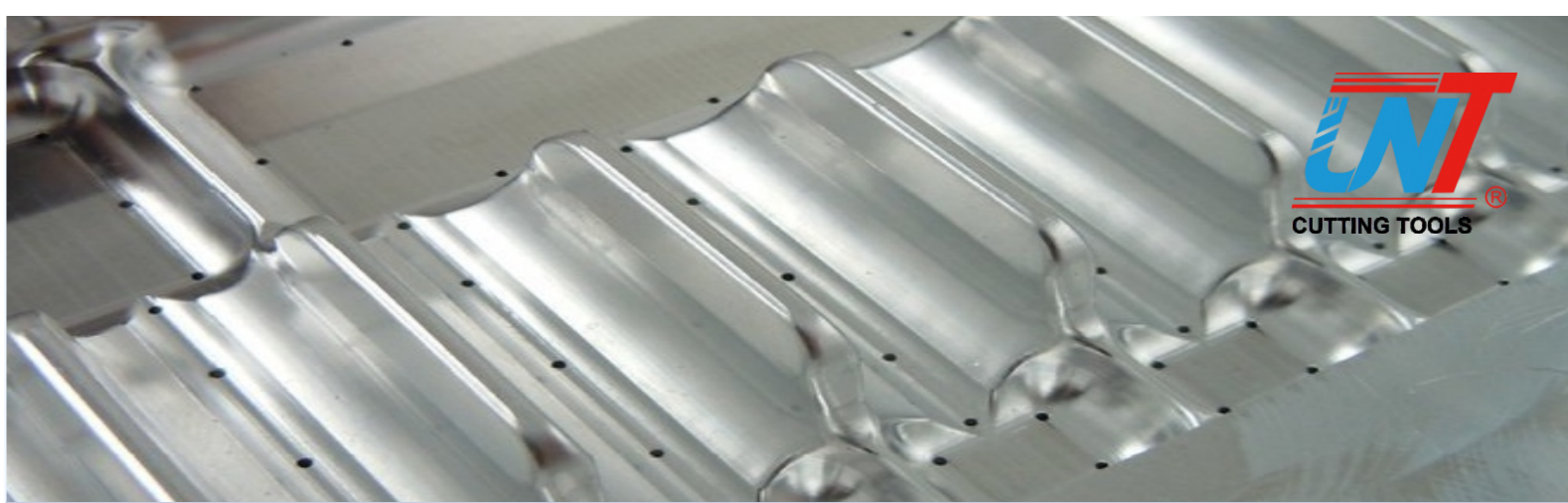
Roughing end milling for stainless steel



Product feature	
• Designed to machine tool steel, alloy steel, mold steel and other high hardened materials.	
• High precision milling in medical, optical, electronics and aero space	
• Balzars Coating provides improved reliability and longer tool life.	
• Excellent performance on high hardened steel.	
• Corner edge with gash land improves cutting edge strength.	

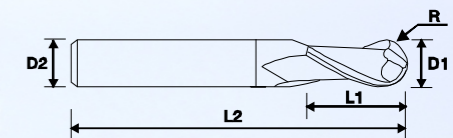
EDP #	Mill Diameter	Shank Dia	Flute length	O.A.L	Flutes
	D1	D2	L1	L2	
EMA030103	1.0	3	3	50	4
EMA030203	2.0	3	6	50	4
EMA030303	3.0	3	8	50	4
EMA030204	2.0	4	6	50	4
EMA030304	3.0	4	8	50	4
EMA030404	4.0	4	11	50	4
EMA030406	4.0	6	11	50	4
EMA030800	8.0	8	20	60	4
EMA031000	10.0	10	25	75	4
EMA031200	12.0	12	30	75	4
EMA031400	14.0	14	40	100	4
EMA031601	16.0	16	40	100	4
EMA031800	18.0	18	40	100	4
EMA032000	20.0	20	40	100	4
EMA036408	1/8"	1/8"	1/2"	1-1/2"	4
EMA036410	5/32"	3/16"	9/16"	2"	4
EMA036412	3/16"	3/16"	5/8"	2"	4
EMA036416	1/4"	1/4"	3/4"	2-1/2"	4
EMA036420	5/16"	5/16"	13/16"	2-1/2"	4
EMA036424	3/8"	3/8"	1"	2-1/2"	4
EMA036432	1/2"	1/2"	1"	3"	4
EMA036440	5/8"	5/8"	1-1/4"	3-1/2"	4
EMA036448	3/4"	3/4"	1-1/2"	4"	4

* Non-standard size or product parameters not listed above, can be customized according to customer needs.



EMA-05

HRC55 CARBIDE BALL NOSE END MILLS 2 FLUTE



Milling cutter, Center endmills, Ball Nose Milling

Multi-purpose Solid Carbide end Mills-Ball nose 2 Flute



EDP #	Mill Diameter	Radius	Shank Dia	Flute length	O.A.L	Flutes
	D1	R	D2	L1	L2	
EMA050103	1.0	R0.5	3	2	50	2
EMA050203	2.0	R1.0	3	4	50	2
EMA050303	3.0	R1.5	3	6	50	2
EMA050104	1.0	R0.5	4	2	50	2
EMA050154	1.5	R0.75	4	3	50	2
EMA050204	2.0	R1.0	4	4	50	2
EMA050254	2.5	R1.25	4	5	50	2
EMA050304	3.0	R1.5	4	6	50	2
EMA050404	4.0	R2.0	4	8	50	2
EMA050500	5.0	R2.5	6	10	50	2
EMA050600	6.0	R3.0	6	12	50	2
EMA050700	7.0	R3.5	8	14	60	2
EMA050800	8.0	R4.0	8	16	60	2
EMA051000	10.0	R5.0	10	20	75	2
EMA051200	12.0	R6.0	12	24	75	2
EMA051600	16.0	R8.0	16	32	100	2
EMA052000	20.0	R10.0	20	40	100	2

* Non-standard size or product parameters not listed above, can be customized according to customer needs



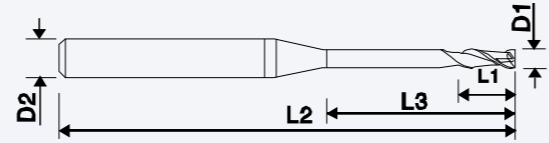
CARBIDE RIB PROCESSING SLOT DRILL, DEEP REACH PROCESS TAPER SHANK MILLING CUTTER

Micro end mill for deep holes machining

EDP #	Mill Diameter	Effective Length	Shank Dia	Flute length	O.A.L		Flutes
	D1	L3	D2	L1	L2		
EMA130402	0.4	2	4	0.6	50		2
EMA130404	0.4	4	4	0.6	50		2
EMA130406	0.4	6	4	0.6	50		2
EMA130502	0.5	2	4	0.8	50		2
EMA130504	0.5	4	4	0.8	50		2
EMA130506	0.5	6	4	0.8	50		2
EMA130508	0.5	8	4	0.8	50		2
EMA130602	0.6	2	4	1	50		2
EMA130606	0.6	6	4	1	50		2
EMA130610	0.6	10	4	1	50		2
EMA130804	0.8	4	4	1.2	50		2
EMA130806	0.8	6	4	1.2	50		2
EMA130812	0.8	12	4	1.2	50		2
EMA131006	1.0	6	4	1.5	50		2
EMA131008	1.0	8	4	1.5	50		2
EMA131010	1.0	10	4	1.5	50		2
EMA131020	1.0	20	4	1.5	50		2
EMA131206	1.2	6	4	1.8	50		2
EMA131208	1.2	8	4	1.8	50		2
EMA131210	1.2	10	4	1.8	50		2
EMA131220	1.2	20	4	1.8	50		2
EMA131506	1.5	6	4	2.5	50		2
EMA131508	1.5	8	4	2.5	50		2
EMA131510	1.5	10	4	2.5	50		2
EMA132006	2.0	6	4	3	50		2
EMA132008	2.0	8	4	3	50		2
EMA132010	2.0	10	4	3	50		2
EMA132020	2.0	20	4	3	50		2
EMA133008	3.0	8	4	4.5	50		2
EMA133010	3.0	10	4	4.5	50		2
EMA133020	3.0	20	4	4.5	50		2

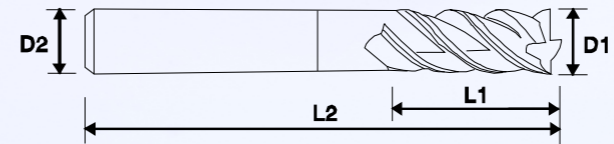
* Non-standard size or product parameters not listed above, can be customized according to customer needs

EMA-13



SOLID CARBIDE SQUARE 4 FLUTE END MILLS

Carbide Endmill, Roughing end mills



EMD-03

Corner Radius End Mills on Stainless steel 4 Flutes

Product feature

- EMD series End Mills for stainless steel, Titanium, Inconel for General steel up to Hrc45..
- Fine carbide substrate provides high traverse rupture strength and excellent thermal shock resistance improving reliability in wet cutting applications.
- Balzers Coating provides improved reliability and longer tool life.
- Large rake angle and unique flute design improve sharpness and chip evacuation.
- Corner edge with gash land improves cutting edge strength.
- Sharper edge S type and fracture resistant C type added to the



EDP #	Mill Diameter	Shank Dia	Flute length	O.A.L		Flutes
	D1	D2	L1	L2		
EMD03030	3.0		8	50		4
EMD03040	4.0	4	11	50		4
EMD030306	3.0	6	8	50		4
EMD030406	4.0	6	11	50		4
EMD03050	5.0	6	13	50		4
EMD03060	6.0	6	16	50		4
EMD03080	8.0	8	20	60		4
EMD03100	10.0	10	25	75		4
EMD03120	12.0	12	30	75		4
EMD03160	16.0	16	45	100		4
EMD03200	20.0	20	45	100		4

* Non-standard size or product parameters not listed above, can be customized according to customer needs