

NEW PRODUCT NEWS



CNC automatic lathes

AMX Chipbreaker

For External Machining



Ensure chip control even with a cutting depth of 0.3mm or less

New Lineup expansion radius **R 0.03** for ultra-precision finishing

CERtainly [but not only] **CERamics**
Outstanding solutions for demanding applications

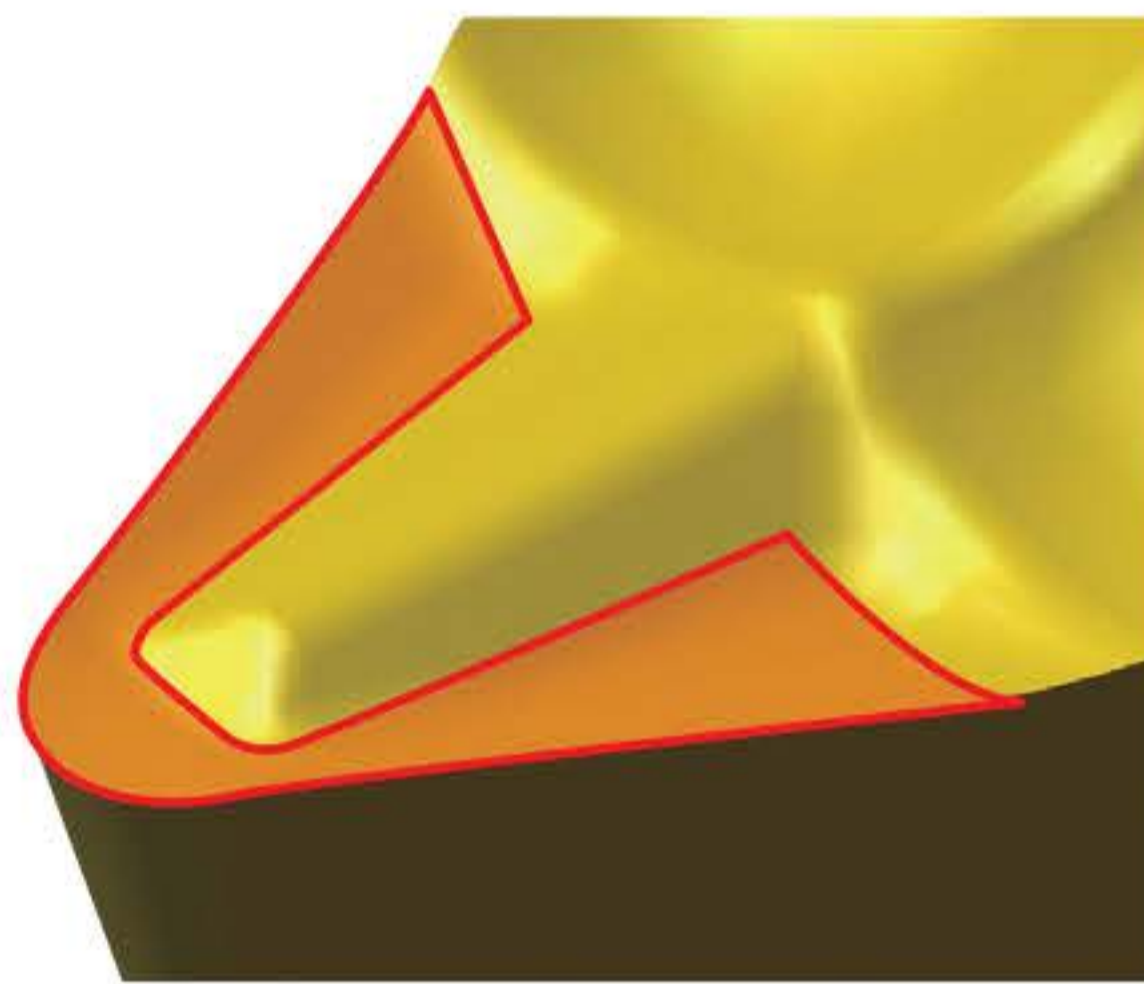
CNC automatic lathes

Features

- Depth of cut ranges from 0.05 to 0.3 mm.
- Specialized for ultra-low depth of cut and low feed machining, ideal for high-precision parts processing.
- Adding corner radius R 0.03 for ultra-precision finishing.


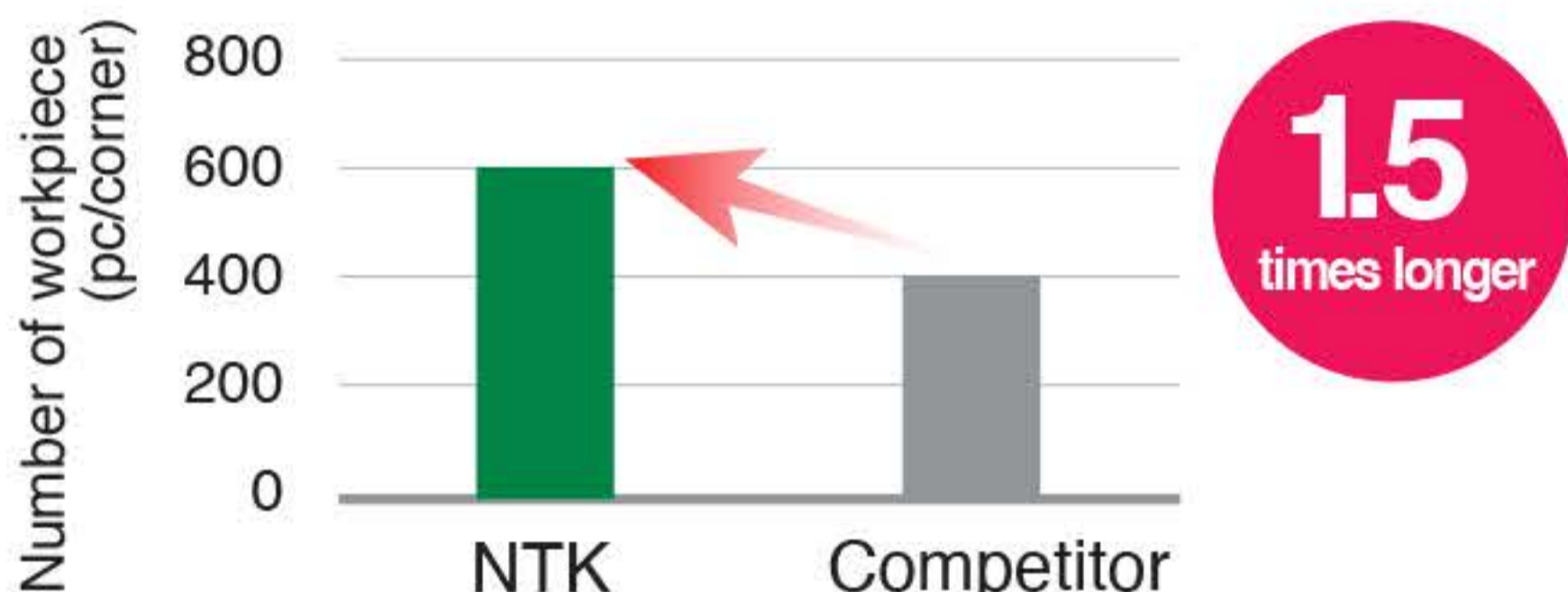
Sharp edge & double positive geometry

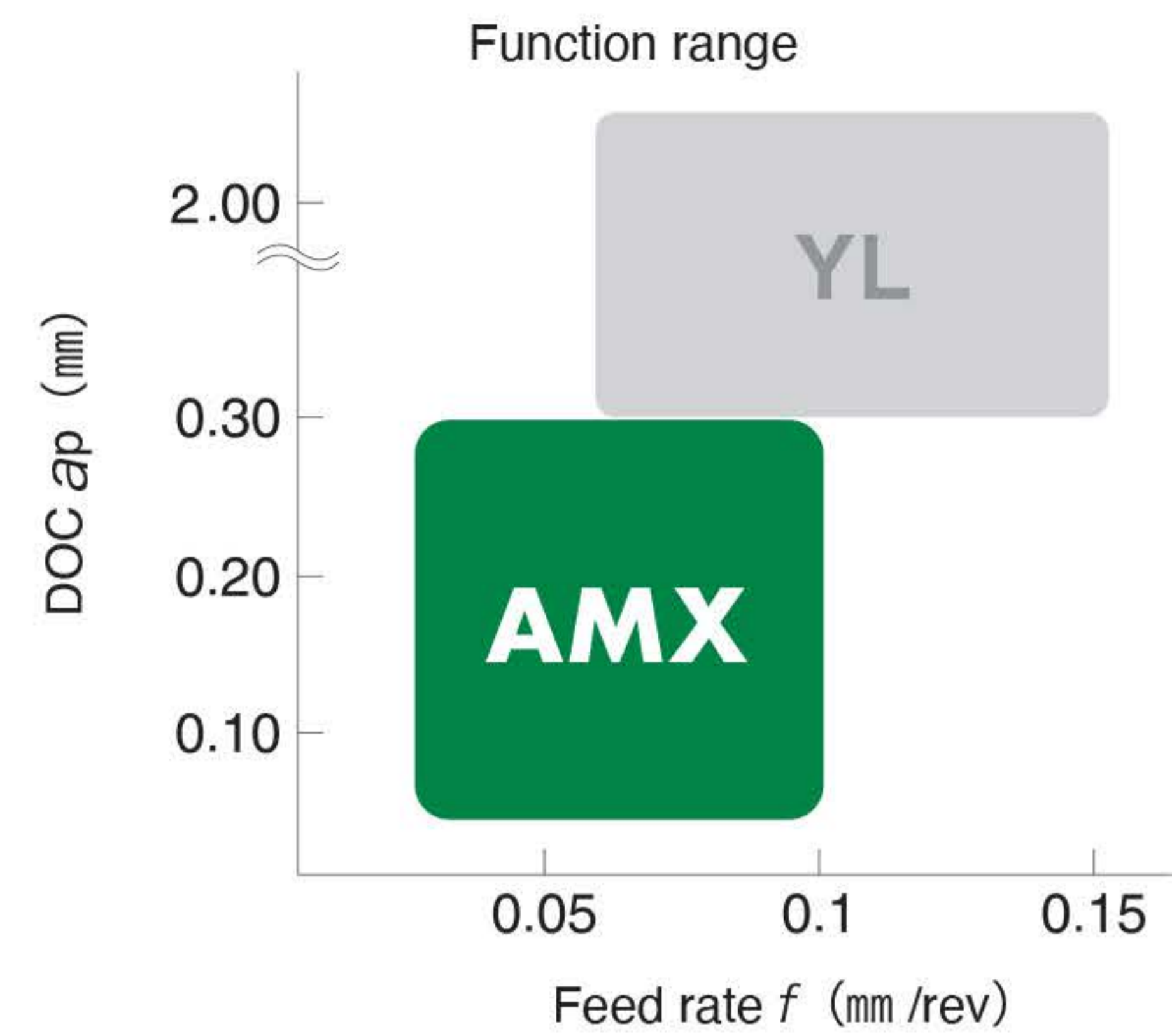
Excellent cutting performance, effective in suppressing burrs and improving machining accuracy.



Ensure reliable chip control even with low depth of cut and low feed rate.

Practical example

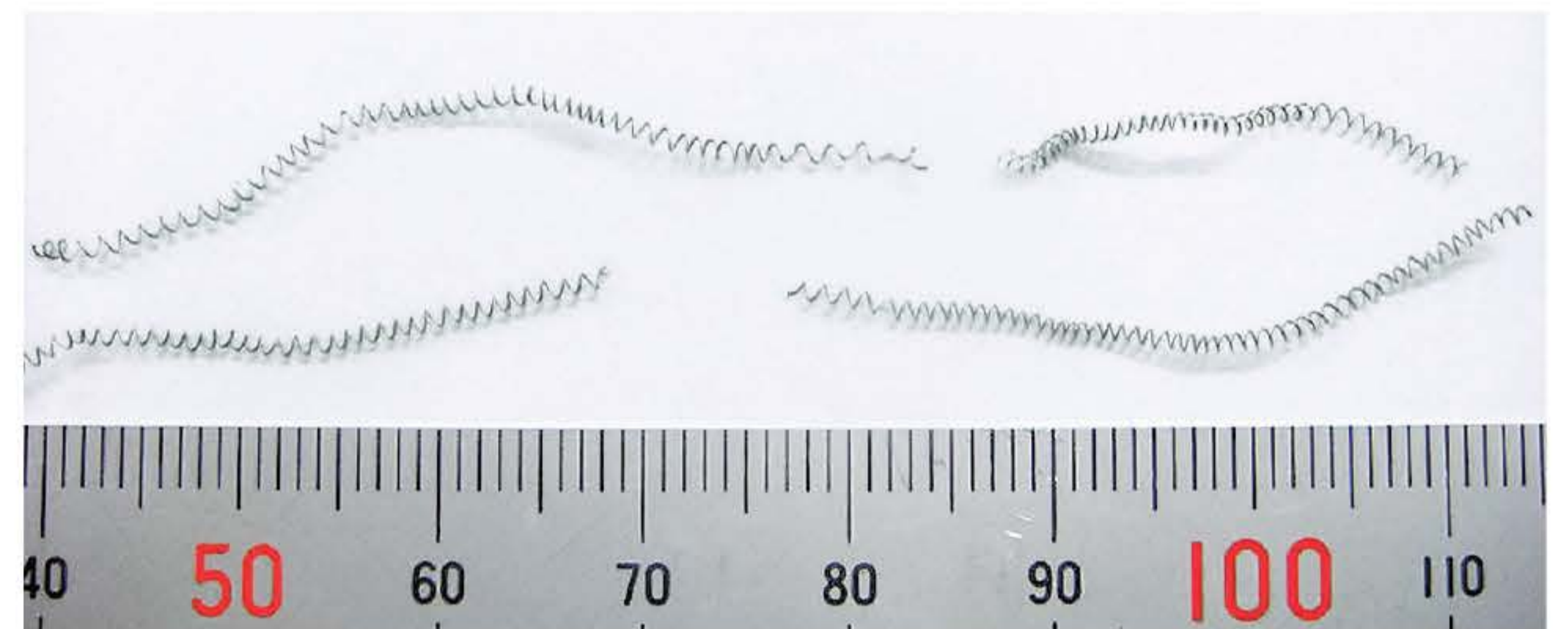
Insert	DCGT11T302MAMX DM4	
Workpiece	S45C / C45 / 1045 	
Cutting condition	Vc (m/min)	94
	Revolutions per minute (rpm)	2500
	Feed rate (mm/rev)	0.08
	DOC (mm)	0.2
	Coolant	WET
Results		



DOC 0.05 mm~, Feed 0.02 mm /rev ~ Outstanding chip control

Chip shape 《SUS304》


Vc=80m/min f=0.02mm/rev ap=0.05mm WET



Small curl diameter with stable chip control performance

Lineup

● NEW

Shape	Item number	PVD grade					Dimension			
	Metric	650	ST4	DM4	DT4	TM4	IC	Thickness	Corner Radius	
	DCGT070200AMX			●		●	6.35	2.38	0.03	
	DCGT070201MAMX		●	●	●	●	6.35	2.38	0.08	
	DCGT070202MAMX		●	●	●	●	6.35	2.38	0.18	
	DCGT070204MAMX			●	●	●	6.35	2.38	0.38	
	DCGT11T300AMX				●		●	9.525	3.97	0.03
	DCGT11T301MAMX	●		●	●	●	●	9.525	3.97	0.08
	DCGT11T302MAMX	●		●	●	●	●	9.525	3.97	0.18
	DCGT11T304MAMX	●		●	●	●	●	9.525	3.97	0.38

CONTACT US



MEGA TECH METALWORK CO.,LTD (Headquarter)



Tel : 02-943-1591



Fax : 02-943-1592



Line ID : @mgt_metalwork



Email : sales.m@mgtg.co.th



Web : <https://www.mgtg.co.th/>



**17/4 Soi Ramintra 89
Ramintra Khannayao
Bangkok 10230**



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