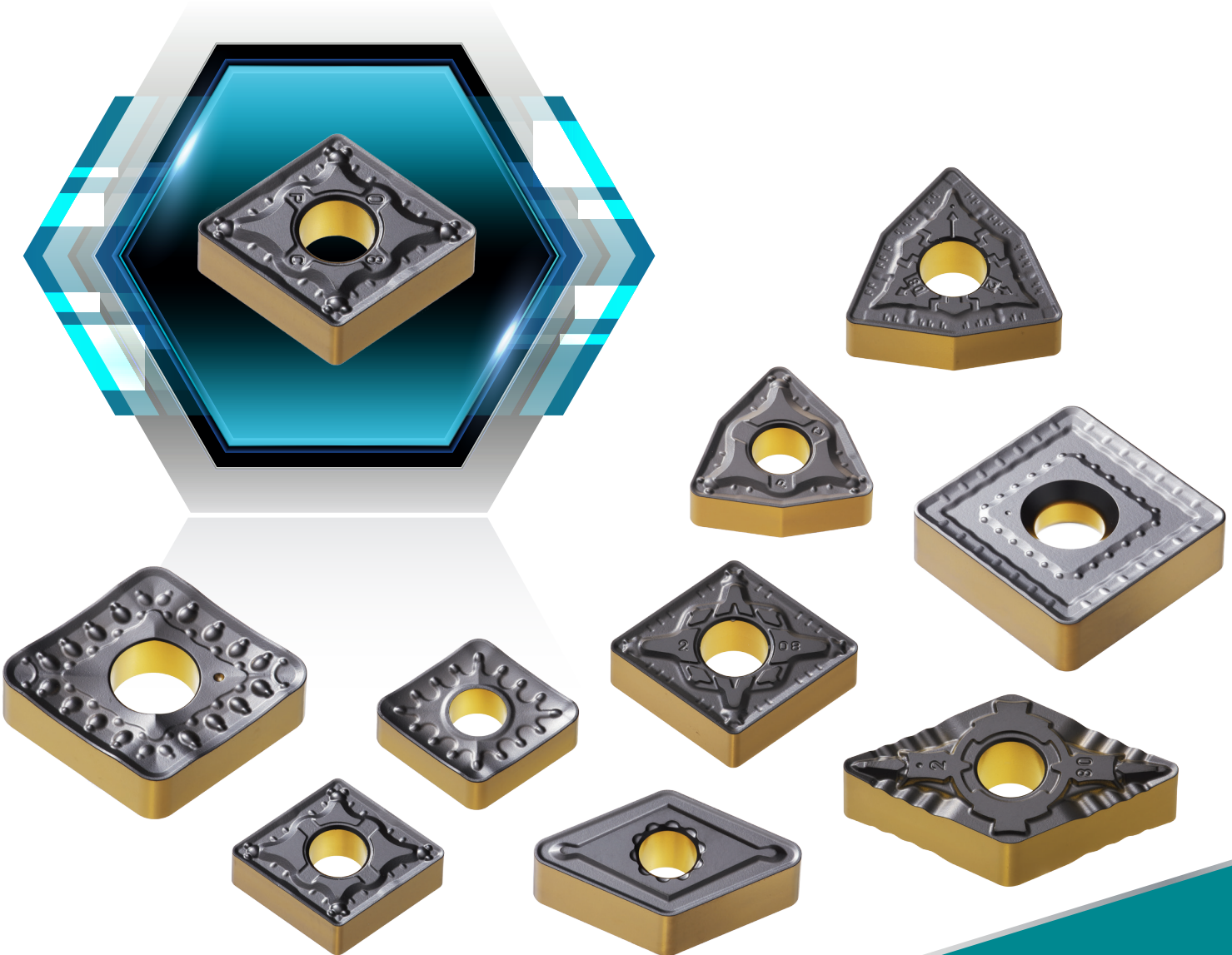


MML

Marketing News Letter No. 2019-05



New CVD Coated Grades for Steel Machining



KEY POINT

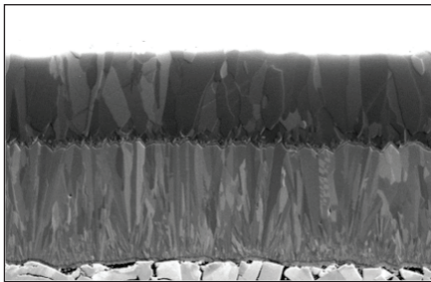
TaeguTec's LIFE+ steel machining grades - TT8105, TT8115, TT8125 and TT8135 - have been upgraded and rebranded under the SFEED-RUSH name.

SFEED-RUSH grades employing the latest surface treatment and coating application technologies ensures a more stable and longer tool life for steel machining. The high-technology, specialized after-treatment process clearly distinguishes the **SFEED-RUSH** line by the insert's black top and bottom, and yellow sides. A further advantage of the new line is the stable tool life provided which can be applied to the automated, unsupervised machining process.

* Please note that the **SFEED-RUSH** grades will be available when the existing **LIFE+** stock runs out.

Features

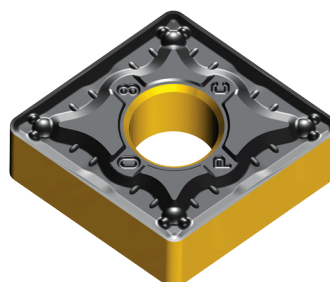
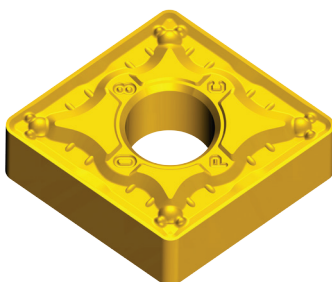
- Steel machining grades for high-speed and high feed applications
- Ensures excellent wear resistance due to the stable alumina coating layer
- Reliable and improved tool life
- Brand new special surface treatment and coating combination for superior anti-chipping
- Minimizes the chemical reaction between the coating surface and the workpiece during machining
- Guarantees stable machining performance under heavy interrupted machining conditions



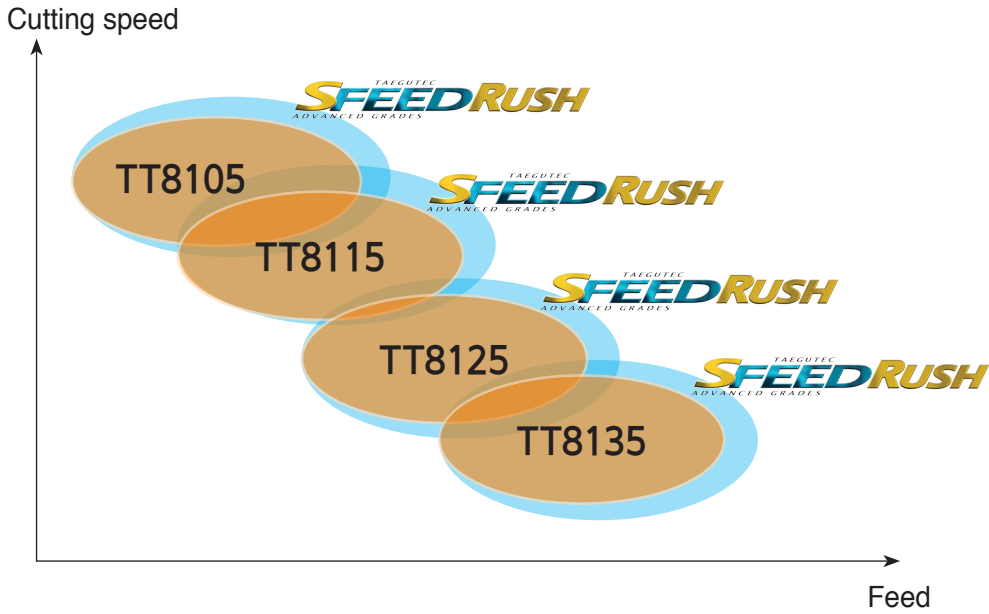
- ← High technology specialized surface treatment
- ← Al₂O₃ coating layer for effective heat blocking
- ← Rigid bonding layer
- ← High hardness and toughness TiCN coating layer for high wear resistance

Life+

SFEED RUSH
ADVANCED GRADES



Application range



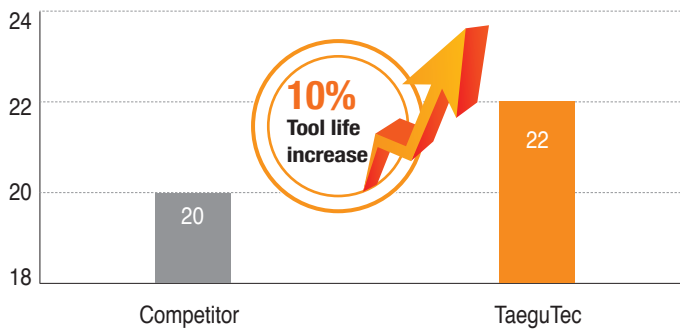
Sincerely,
TaeguTec

Bae Dae-wi
Non-Rotating General PM

Case study 1

		Competitor	TaeguTec
Component		Flange	
Workpiece material		Cr alloy steel	
Operation		Finishing, External turning	
Insert		CNMG 120408 CVD coated	CNMG 120408 PC TT8115
Cutting speed	V (m/min)	340	340
Feed rate	f (mm/rev)	0.23	0.23
Depth of cut	ap (mm)	2.0	2.0
Coolant		Wet	Wet
Tool life (pcs/corner)		20	22

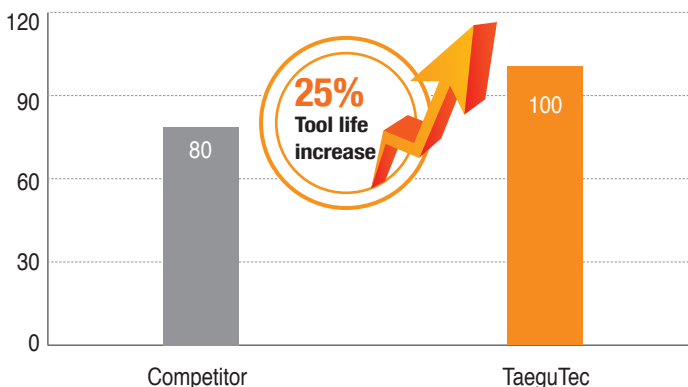
Tool life (pcs/corner)



Case study 2

		Competitor	TaeguTec
Component		Heavy equipment component	
Workpiece material		Cr alloy steel	
Operation		Internal turning	
Insert		DNMG 150608 CVD coated	DNMG 150608 PC TT8115
Cutting speed	V (m/min)	340	340
Feed rate	f (mm/rev)	0.27	0.27
Depth of cut	ap (mm)	0.6	0.6
Coolant		Wet	Wet
Tool life (pcs/corner)		80	100

Tool life (pcs/corner)



Chipping comparison test

Alloy steel (HB190-200), Facing, extreme interruption

V=250 m/min, ap=1 mm, f=0.15 mm/rev, wet

