

NPA

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www.taegutec.com

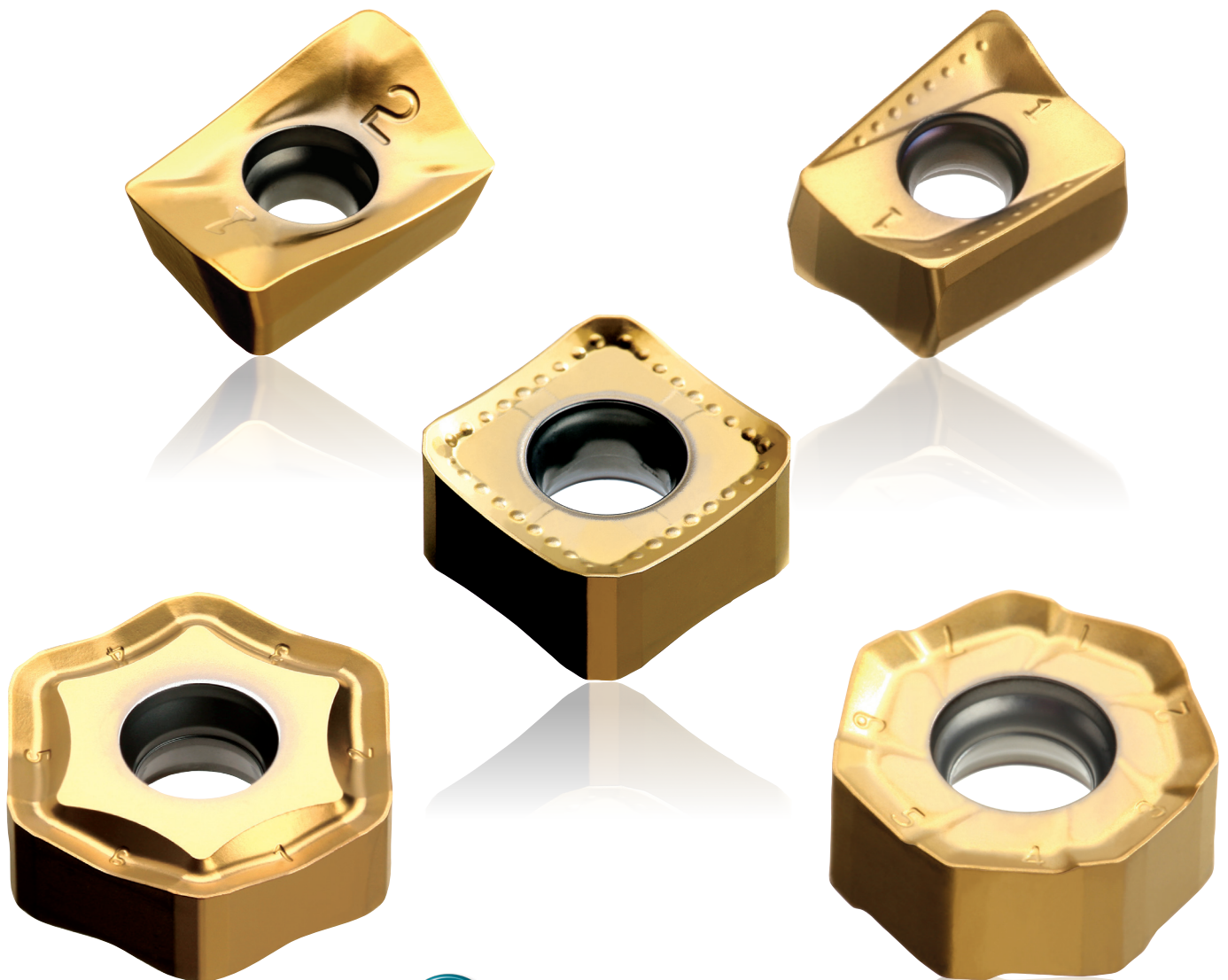


New Product Announcement No. 2016-02



TT7515

A New Cast Iron Machining Grade
for High-Speed and Roughing Applications



KEY POINT

TaeguTec is pleased to launch a new grade –TT7515– for high-speed and rough machining of cast iron.

Cast iron has become one of the easier metals to machine, however, recent machining trends have seen the introduction of excessively high cutting speeds to improve productivity, and the increase of demand for machining complicated shapes made from cast iron. As such, the need for a new grade for cast iron machining has emerged.

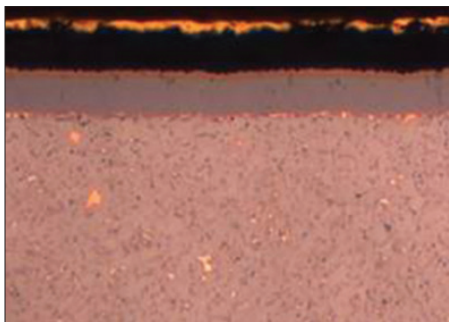
TaeguTec's new **TT7515** grade has been applied to an improved substrate to boost both toughness and hardness which maximizes the wear resistance due to the newest special CVD coating technology.

The **TT7515** grade shows outstanding performance in high-speed machining of gray cast iron and achieves stable machining by suppressing the abrupt failure even under unstable machining conditions.

The **TT7515** grade complements the existing TT6800 grade by covering the same application range while enabling improved performance. Therefore, the existing TT6800 will be phased out after stock is depleted with the **TT7515** grade being introduced afterwards.

If you have any questions, please contact the relevant product manager.

TT7515's features

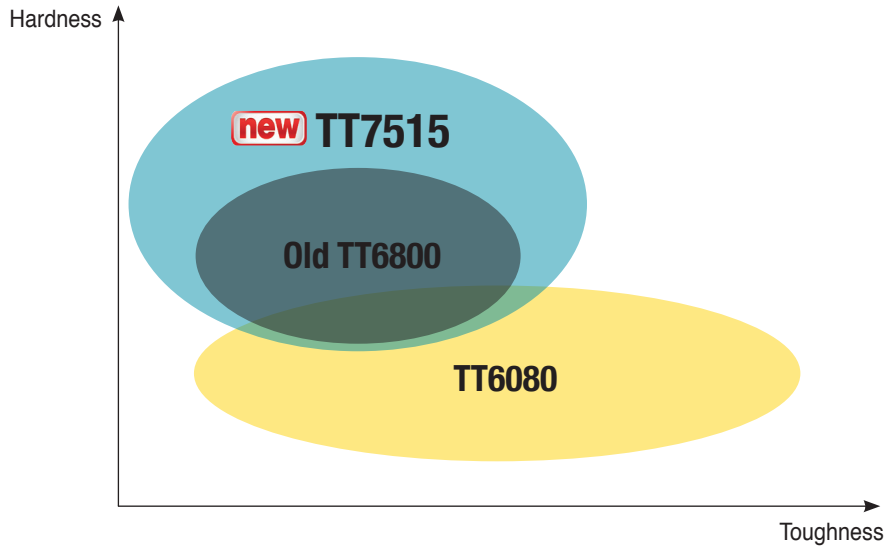


- Optimal performance in high-speed machining of gray cast iron
- Better stability due to the carbide substrate with more uniform and rigid reinforcement
- Strong coating adhesion inhibits coating layer delamination
- The latest coating for improved wear resistance increases the tool life

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Application range



Availability

In stock

Price

Available in the GAL system

Sincerely,
TaeguTec

Cho Yeo-myeong
Rotating Product Manager

Sincerely,
TaeguTec

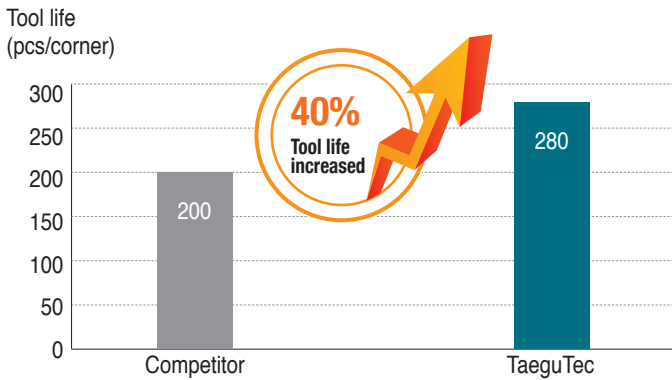
Lee Jae-wook
Milling Product Manager

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Case study 1

		Competitor	TaeguTec
Workpiece material		FC300 (GG30)	
Cutter		D100 face mill (7 teeth)	TFM45HNS 7100-32R-10 (7 teeth)
Insert		Double-sided CVD coating	
Cutting speed		HNHX 1005 ANT-N-M TT7515	
Cutting speed	V (m/min)	450	450
	N (rpm)	1433	1433
Feed rate	Fz (mm/tooth)	0.2	0.2
	F (mm/min)	2000	2000
Width of cut	ae (mm)	70	70
Depth of cut	ap (mm)	2	2
Coolant		wet	wet
Tool life (pcs/corner)		200	280



Case study 2

		TaeguTec	TaeguTec
Workpiece material		FC250 (GGG60)	
Cutter		TFM90LN D100 (9 teeth)	TFM90LN D100 (9 teeth)
Insert		LNCX 130608R PER-M TT6800	
Cutting speed		LNCX 130608R PER-M TT7515	
Cutting speed	V (m/min)	300	300
	N (rpm)	955	955
Feed rate	Fz (mm/tooth)	0.1	0.1
	F (mm/min)	1047	1047
Width of cut	ae (mm)	50	50
Depth of Cut	ap (mm)	3	3
Coolant		wet	wet
Tool life (pcs/corner)		150	200

