

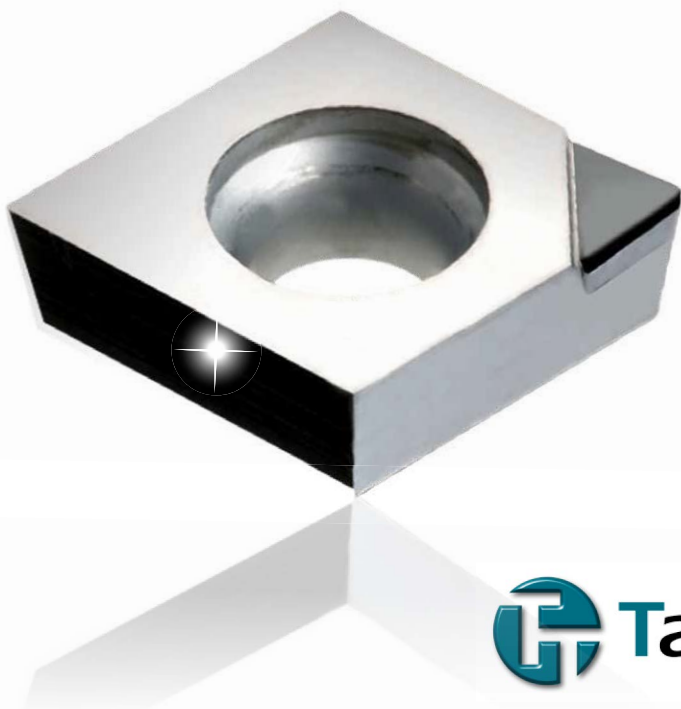
NEW PRODUCT NEWS

T-TURN



TD810

**A New High Productivity PCD Grade for
Aluminum & Non-Ferrous Materials Machining**



T-TURN

TD810

FEATURES

- The PCD grade's complex structure provides the optimal combination of strong wear resistance and superior toughness
- Suitably designed for non-ferrous materials like aluminum copper, graphite etc and non metals such as plastic as well as wood
- Achieves excellent surface finish

TaeguTec is launching a new PCD grade-the TD810- which provides optimal machining performance on aluminum and non-ferrous materials.

A micro structure characterized by excellent wear resistance and good toughness means a quality surface finish in high speed machining applications.

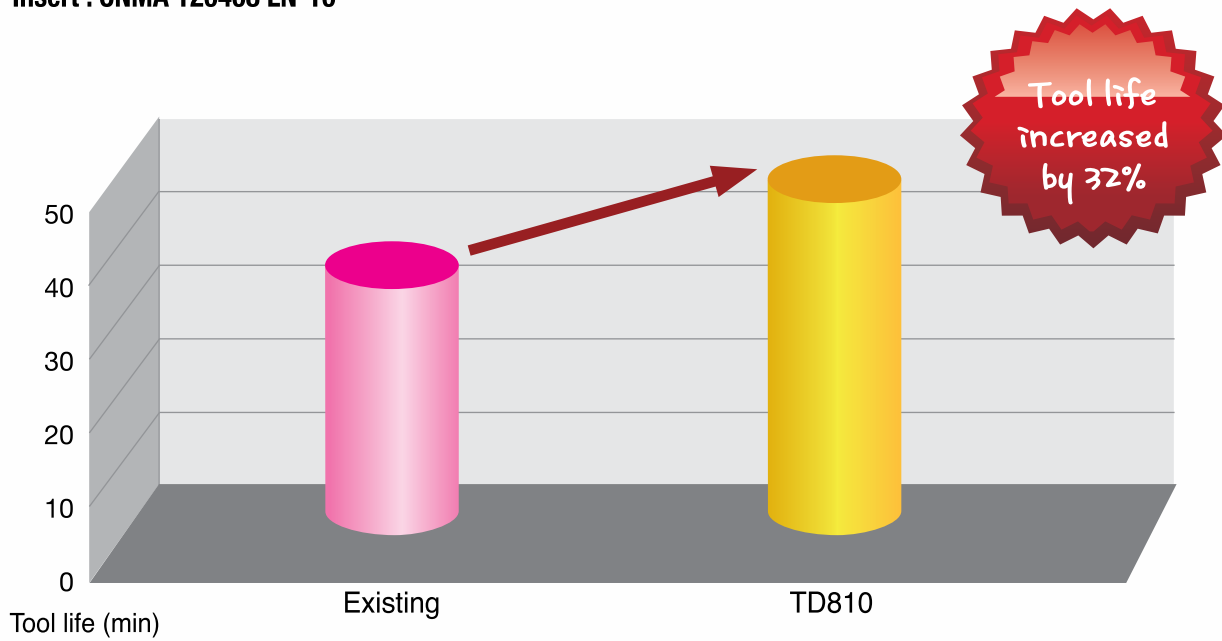
The TD810 grade is specifically designed to ensure stable performance in continuous and interrupted cutting applications on aluminum, brass, plastic, wood as well as other non-ferrous materials.

An additional advantage of the TD810 is higher productivity and economy credit to its dual application capability; designed to generate no built-up-edge during machining means the grade can be used for both rough as well as finish machining.

Cutting test

Work piece : AC9B-Aluminum(HB 140-160)

Insert : CNMA 120408 LN-10



Cutting conditions

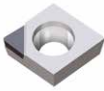
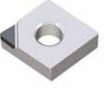
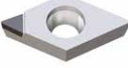
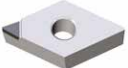





Speed : 500m/min

Feed : 0.1mm/rev

Ap : 0.5mm

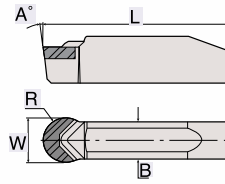
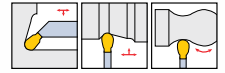
Machining : External turning, continuous, wet



Insert	Designation	Dimension (mm)					Grade
		l	d	t	r	D1	TD810
	CGGW 060202 LN-7	3.1	6.35	2.38	0.2	2.8	●
	CGGW 060204 LN-7				0.4		●
	CGGW 09T304 LN-7	4.0	9.52	3.97	0.4	4.4	●
	CGGW 09T308 LN-7	3.9			0.8		●
	CGGW 120404 LN-7	4.0	12.70	4.76	0.4	5.5	●
	CGGW 120408 LN-7	3.9			0.8		●
	CNMA 120404 LN-10	4.0	12.70	4.76	0.4	5.16	●
	CNMA 120408 LN-10	3.9			0.8		●
	DCGW 070202 LN-7	3.4	6.35	2.38	0.2	2.8	●
	DCGW 070204 LN-7	3.3			0.4		●
	DCGW 11T302 LN-7	3.9	9.52	3.97	0.2	4.4	●
	DCGW 11T304 LN-7	3.7			0.4		●
	DCGW 11T308 LN-7	3.3			0.8		●
	DNMA 150604 LN-10	4.0	12.70	6.35	0.4	5.16	●
	DNMA 150608 LN-10	3.7			0.8		●
	TCGW 090204 LN-7	3.3	5.56	2.38	0.4	2.5	●
	TCGW 090208 LN-7	3.0			0.8		●
	TCGW 110204 LN-7	3.8	6.35	3.97	0.4	4.4	●
	TCGW 16T304 LN-7	3.8	9.52		0.4		●
	TCGW 16T308 LN-7	3.5			0.8		●
	TNMA 160404 LN-10	4.3	9.52	4.76	0.4	3.81	●
	VBGW 160402 LN-7	5.2	9.52	4.76	0.2	4.4	●
	VBGW 160404 LN-7	5.0			0.4		●
	VBGW 160408 LN-7	4.2			0.8		●
	VCGW 110304 LN-7	5.0	6.35	3.18	0.4	2.8	●
	VCGW 110308 LN-7	4.1			0.8		●
	VCGW 160404 LN-7	5.0	9.52	4.76	0.4	4.4	●
	VCGW 160408 LN-7	4.1			0.8		●
	VNGA 160404 LN-10	5.0	9.52	4.76	0.4	3.81	●
	VNGA 160408 LN-10	4.1			0.8		●

TSA

Inserts for Aluminum Wheel Machining



Designation	Insert Seat Size	W±0.02	R±0.05	B	L	H	A	Grade
								TD810
TSA 6.00-3.00	6	6.00	3.00	5.0	25.0	5.2	7	●
TSA 8.00-4.00	8	8.00	4.00	6.0	30.0	6.4	10	●

