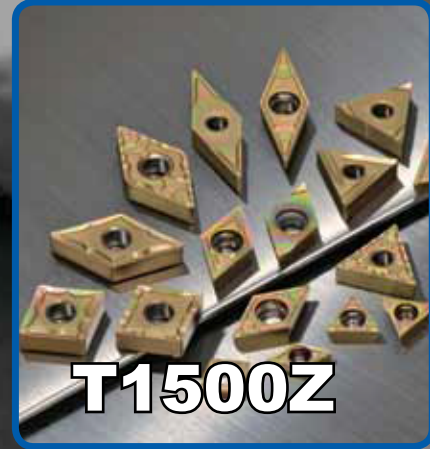
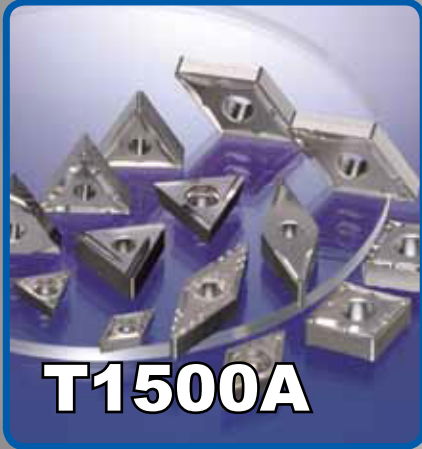


T1500A / T1500Z

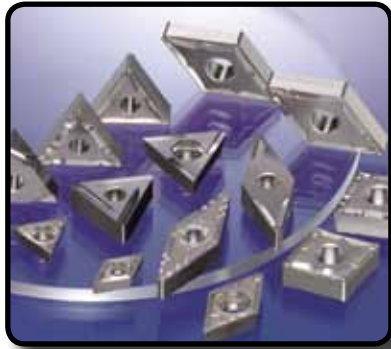


Cermet Grades for machining steels,
stainless steels, cast irons and powdered metals

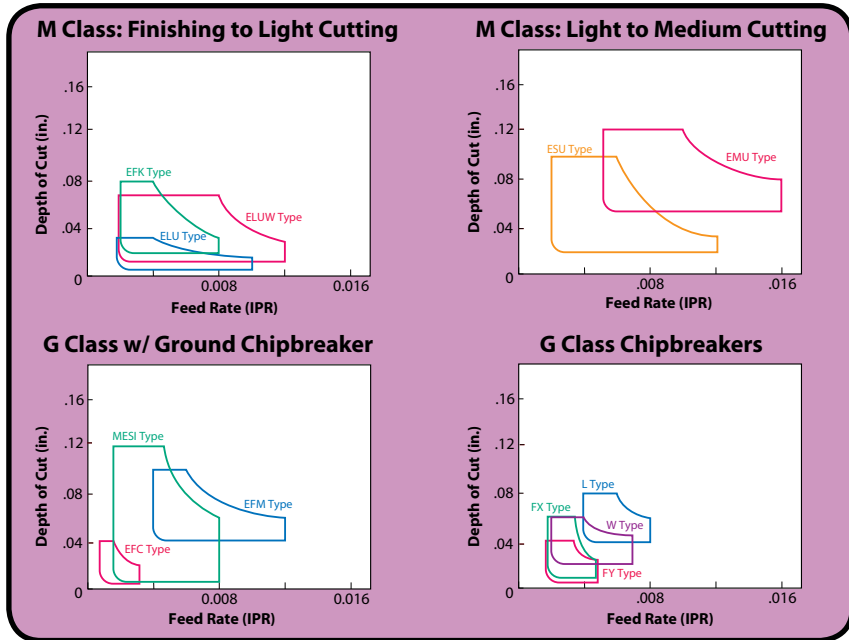


T1500A Features & Benefits

- General purpose cermet grade that provides both wear and fracture resistance, and better quality finished surfaces
- Economical alternative to carbide in finishing applications
- A tough, high strength cermet grade produced from an optimized balance of tough / hard and ultra-hard grains
- Improved oxidation resistance coupled with a smooth edge treatment generates excellent mirror-like surface finishes



Chipbreaker Application Range



Application Example

	Competitor's	T1500A
Tool edge	 1,300 pcs/c	 2,000 pcs/c
Machined surface	 burrs	

Application Example Cutting Conditions:

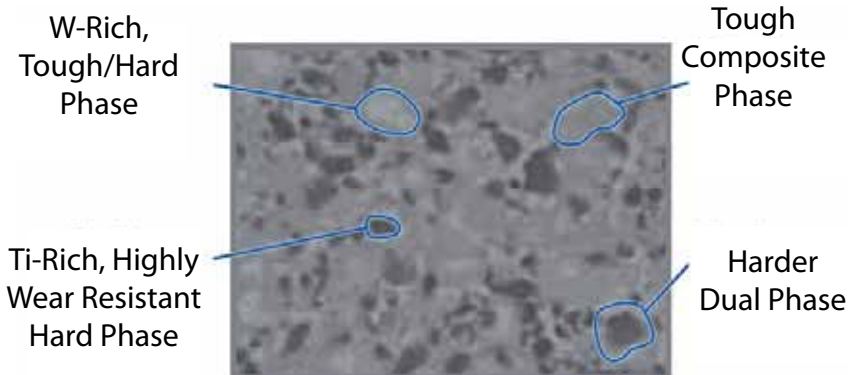
Work Material: 4115 (15CrMo) Machine Parts

Insert: DNMG431ESU

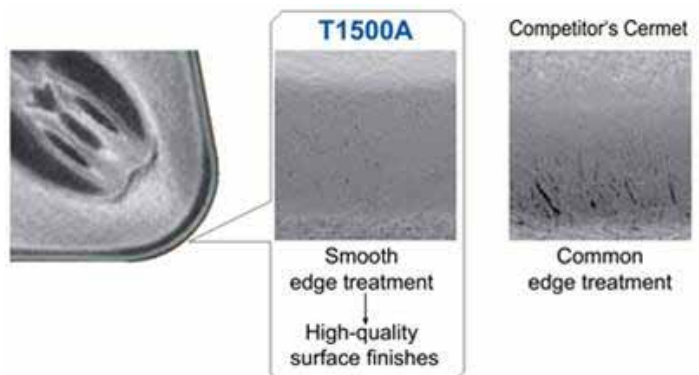
Cutting Condition: V_c : 500 - 1350 sfm f : 0.005 ipr

a_p : 0.008" - 0.010", Wet

T1500A Alloy Structure



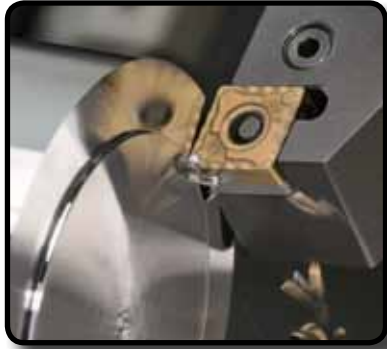
T1500A Edge Treatment



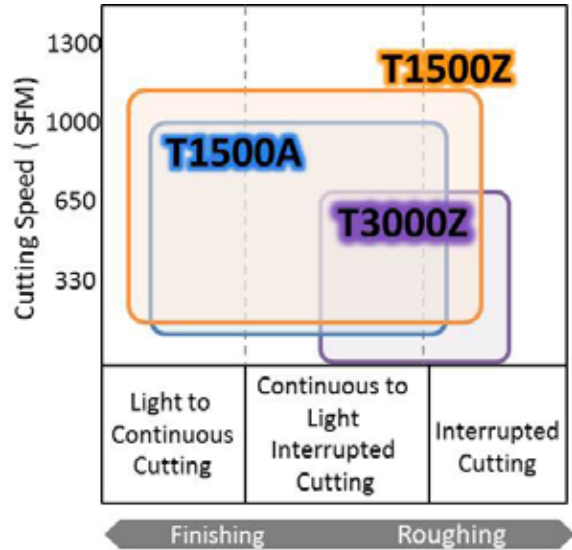
T1500Z Features & Benefits



- General purpose coated cermet grade that employs Sumitomo's new Brilliant Coat™ PVD coating with excellent lubricity for longer tool life
- Excellent wear resistance, adhesion resistance, and fracture resistance adds tool life- reducing your cost per part
- Expanded chipbreaker lineup with newly developed "EFB" type gives excellent chip control when finishing



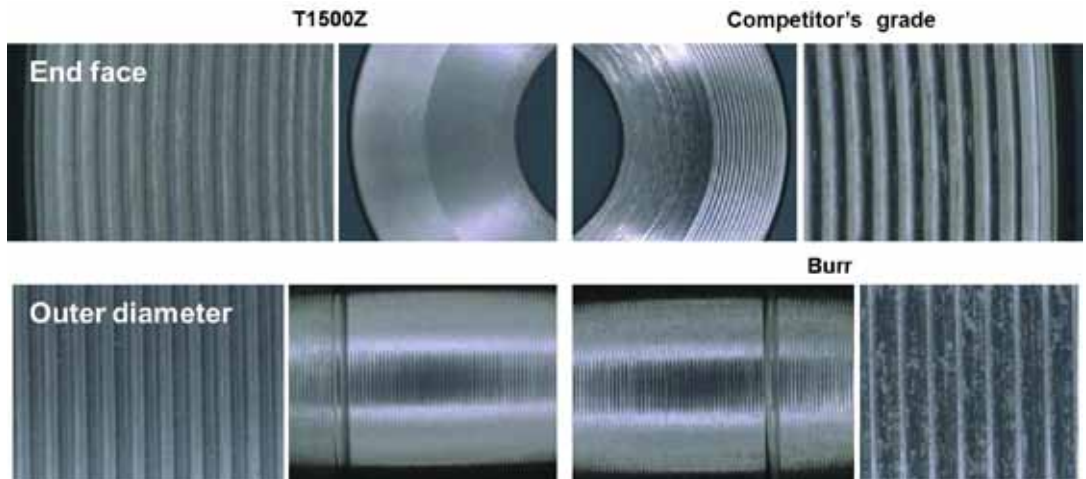
Cutting Conditions



Application Example

Application Example

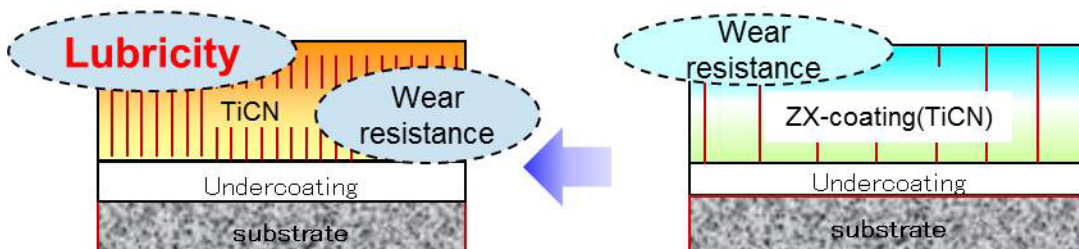
Cutting Conditions:
Work Material:
 SNCM220 (20NiCrMo2/8622)
Insert: DNMG432
Cutting Condition:
 V_c : 370 - 640 sfm f : 0.012 ipr
 a_p : 0.040", Wet



T1500Z Brilliant Coat

T1500Z (Brilliant coat)

Conventional coat (ZX)





星隆貿易股份有限公司
Sing-Lung Trading Co., Ltd.

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☎ TEL: 02-25955260 FAX: 02-25944938

📍 ADD: 台北市大同區承德路三段67號

@ E-mail: sales@sl.com.tw

🌐 WEB: www.sl.com.tw