

Hybrid Cermet Versatility

PVD Coated CERMET

PV710

- ✓ Best-in-class surface finish capability
- ✓ Excellent wear resistance for long tool life
- ✓ Optimized for high-speed, continuous cutting
- ✓ Low adhesion and built-up edge

PV720 (1st Choice Turning)

- ✓ Best balance of wear resistance and toughness
- ✓ First recommendation for general steel finishing
- ✓ Stable performance across a wide speed range
- ✓ Consistent surface finish and tool life

PV730

- ✓ Toughest cermet grade in the lineup
- ✓ Superior fracture and chipping resistance
- ✓ Handles interruptions and unstable setups
- ✓ Maintains strong surface finish under load

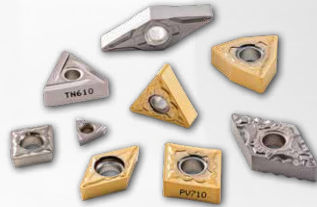
Uncoated CERMET

TN610

- ✓ Excellent anti-adhesion properties
- ✓ Ideal for sharp, clean cutting action
- ✓ Performs well at higher cutting speeds
- ✓ Reliable finish without coating influence

TN620

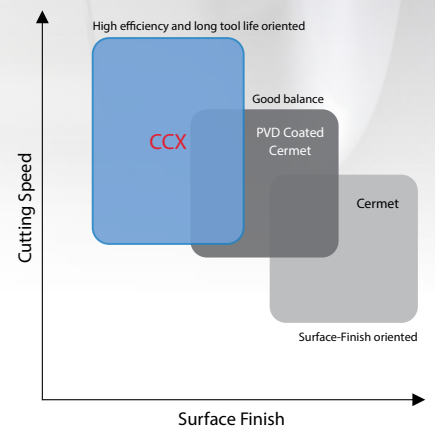
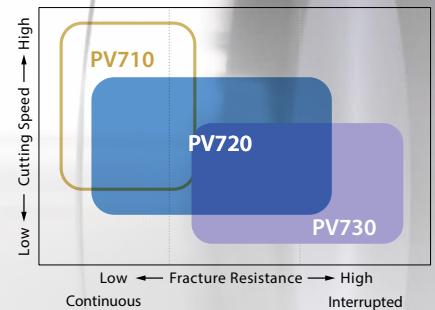
- ✓ Improved chipping and thermal shock resistance
- ✓ Stronger core structure vs conventional cermets
- ✓ Better wear resistance than standard uncoated grades
- ✓ Maintains finish consistency across speed ranges



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CVD Cermet Performance

CVD Coated CERMET

CCX

- ✓ Thick CVD coating for superior wear resistance
- ✓ Runs at significantly higher cutting speeds
- ✓ Excellent balance of tool life and surface finish
- ✓ Strong chipping resistance with micro-grain base

Cermet Quick Guide

Uncoated = Sharp, Clean Cutting | Coated = Longer Lasting Finish

Grade	Coating Tech	Speed	Finish	Toughness	Best Use	Applications
PV710	PVD	●●●●○	●●●●○	●●○○○	High-Speed Finishing	Turning
PV720	PVD	●●●○○	●●●●○	●●●○○	General Purpose	Turning
PV730	PVD	●●○○○	●●●●○	●●●●●	Unstable / Interrupted	Turning
TN610	Uncoated	●●●●○	●●●●●	●●○○○	High-Speed Uncoated	Turning, Milling
TN620 (M)	Uncoated	●●●○○	●●●●●	●●●○○	Tough Uncoated	Turning, Milling, Grooving
CCX	CVD	●●●●●	●●●○○	●●●●○	Maximum Productivity	Turning