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## **PVD Coating Recommendations**

Workpiece Material	Applications									
	Drilling	Turning	Milling	Tapping	Reaming	Broaching	Stamping	Deep Drawing	Forming	Injection Molding
Steel- general types	TiAIN • AITiN •	TiAIN • AITiN •	TiAIN • TiCN-MP	TiCN-MP II	TiAIN • TiCN-MP	TiCN-MP II	TiCN-MP I	TiCN-MP II TiN _	TiCN-MP II	TiN CrN
Highly alloyed steel • Stainless Steel (SS) • Super-Alloys (Ni-Based)	TiAIN • AITiN •	TiAIN • AITIN —	AITIN — TIAIN •	TiCN-MP TiAIN	TiAIN • TiCN-MP	TiCN-MP TiAIN	TiCN-MP II TiN I	TiCN-MP II TiN I	TiCN-MP II TiN	TiN CrN
Mg-Alloys	TiAIN • AITiN •	TiAIN • AITiN —	AITIN TIAIN	TiCN-MP TiAIN	TiAIN • TiCN-MP	TiCN-MP TiAIN	TiCN-MP I	TiCN-MP II TiN =	TiCN-MP II	TiN CrN
Cast Iron	TiAIN • AITiN —	TiAIN • AITiN —	TiAIN • TiCN-MP	TiAIN • TiCN-MP	TiAIN • TiCN-MP	TiAIN • TiCN-MP				
Ti-Alloys	ZrN	ZrN	ZrN	ZrN	ZrN	ZrN	ZrN	ZrN	ZrN	TiN CrN
Al-Alloys	ZrN CBC •	ZrN _ CBC ◆	ZrN ← CBC ◆	ZrN ← CBC ◆	ZrN CBC •	ZrN ← CBC ◆	ZrN ←	ZrN ← CBC ◆	ZrN CBC •	TiN CrN
Copper	CrN	CrN D	CrN D	CrN	CrN	CrN D	CrN	CrN	CrN	CrN
Brass / Bronze	TiCN TiCN-MP	TiCN TiCN-MP	TiCN TiCN-MP	TiCN TiCN-MP	TiCN TiCN-MP	TiCN TiCN-MP	TiCN TiCN-MP	TiCN TiCN-MP	TiCN TiCN-MP	CrN TiN
Plastics	TiN TiCN-MP	TiAIN • AITiN -	TiAIN •	TiN						TiN CrN

Subject to change without notice Rev 4.0