













TOOL COATINGS

Dura-Mill offers a wide selection of tool coatings to meet your end milling requirements. These coatings are engineered to provide superior performance in a variety of industries such as Aerospace, Defense,

Medical, Oil & Gas, firearm and other industries. Together, with our tool geometries and coatings, Dura-Mill offers its customers products that will provide maximum tool performance with reliable service.

COATING EXAMPLE	DURA-SHIELD NUMBER	COATING TYPE	KEY CHARACTERISTICS	PRIMARY APPLICATION
		TiCN	Traditional TiCN coating with high hardness with excellent wear resistance. Reduced friction due to high lubricity.	Ideal for most ferrous and non-ferrous materials where low cutting speeds are used. With higher cutting speeds, use coolant.
		AlCrN, Si	DISCONTINUED Replaced with DS6 (see below)	
		AlTiN	Extremely hard coating with excellent wear and heat resistance. Can be used with or without coolant. A great overall coating.	An excellent choice for all ferrous materials including high temp alloys, stainless steels, alloy steels and hardened steels.
		ZrN	An excellent coating exhibiting excellent lubricity and wear resistance in gummy materials.	A high performance coating for machining aluminum alloys and other non-ferrous materials.
	 NON-STOCK STANDARD	TiB ₂	An ultra high hardness coating for superior abrasion resistance. Provides excellent protection against BUE.	An excellent choice for aluminum alloys up to 9% silicon content. Also effective in the machining of titanium alloys.
		AlCrN/Ti	Our latest generation of AlCrN coating with the addition of Ti providing a broader range of applications than DS2.	A premium coating for high temp and titanium alloys, stainless steels, alloy and hardened tool steels. For high speed milling applications.