

PVD & CVD COATED CARBIDE FOR MILLING & DRILLING

A	GRADES
B	INSERTS
C	CBN & PCD
E	TURNING
F	BORING
G	GROOVING
H	CUT-OFF
J	THREADING
L	SOLID END MILLS
M	MILLING
P	SPARE PARTS
R	TECHNICAL
T	INDEX







MEGACOAT / MEGACOAT NANO

KYOCERA's PVD coated carbides for milling and drilling utilize very tough carbide substrates.

The low processing temperature, compared with CVD, leads to improved bending strength, less deterioration of the coating and superior tool life with stable machining.

FEATURES OF PVD COATED CARBIDE FOR MILLING & DRILLING

Material	Description	Color	Main Component (Coating Composition)	Advantages
 Steel	PR830	Gold	TiAlN+TiN	<ul style="list-style-type: none"> Improved high temperature stability and wear resistance by TiAlN base PVD coating Application: Stable and long tool life for milling of steel
	PR1230	Blackish Red	MEGACOAT	<ul style="list-style-type: none"> Superior wear and oxidation resistant MEGACOAT on a special tough carbide substrate Application: Stable and high feed rate milling and drilling of steel
	PR1525	Blackish Red	MEGACOAT NANO	<ul style="list-style-type: none"> New coating technology [MEGACOAT NANO] is applied. Nano thin multi-layer coating performs superior wear resistance and high oxidation resistance. Application: Stable and long tool life milling of Steel and Stainless Steel
 Stainless Steel	PR1025	Reddish Gray	TiCN	<ul style="list-style-type: none"> TiCN base PVD coated on micro-grain carbide Application: Stable and long tool life milling of stainless steel
	PR1225	Blackish Red	MEGACOAT	<ul style="list-style-type: none"> Superior wear and oxidation-resistant MEGACOAT on micro-grain carbide substrate Application: General and high feed drilling of steel and stainless steel
 Cast Iron	PR1210	Blackish Red	MEGACOAT	<ul style="list-style-type: none"> Superior wear and oxidation resistant MEGACOAT on special carbide substrate for cast iron Application: Highly efficient stable milling and drilling of gray and nodular cast iron and titanium alloys
	PR1510	Blackish Red	MEGACOAT NANO	<ul style="list-style-type: none"> New coating technology [MEGACOAT NANO] is applied. Nano thin multi-layer coating performs superior wear resistance and high oxidation resistance. Application: For gray and nodular cast iron, stable wear resistance and toughness
	CA420M	Blackish Red	MEGACOAT NANO	<ul style="list-style-type: none"> New coating technology [MEGACOAT NANO] is applied. Nano thin multi-layer coating performs superior wear resistance and high oxidation resistance. Application: For gray and nodular cast iron, stable wear resistance and toughness
 Heat-Resistant Alloys	PR1535	Blackish Red	MEGACOAT NANO	<ul style="list-style-type: none"> Stabilized milling operation and long tool life with MEGACOAT NANO coating technology Application: PVD for titanium alloy and precipitation hardened stainless steel
	CA6535	Gold	TiCN+Al ₂ O ₃ +TiN (CVD)	<ul style="list-style-type: none"> High heat resistance and wear resistance with CVD coating with improved stability due to thin film coating Application: CVD for Ni-base heat resistant alloy and martensitic stainless steel