

Model H

Patented H2 Technology, Revolution in Tool Coating;
Superior adhesion, thick coating without chipping at
cutting edge, no droplets, low cost.

- High-speed HiPIMS coating technology, multi-arc level deposition speed
- Low-stress 20μm thick coating, breaking the limit of CVD
- Droplet-free coating, especially suitable for PCB micro-drills
- Denser high-temperature resistant coating, ideal for high-speed cutting above HRC60



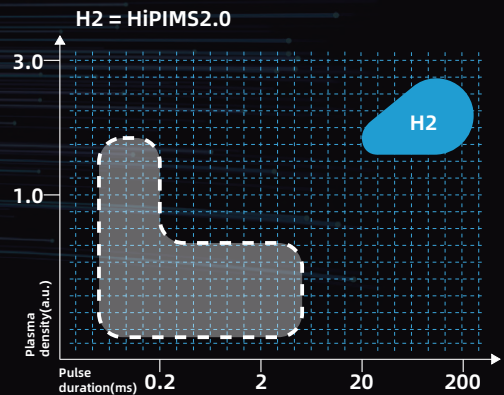
Excellent Adhesion



Low Stress

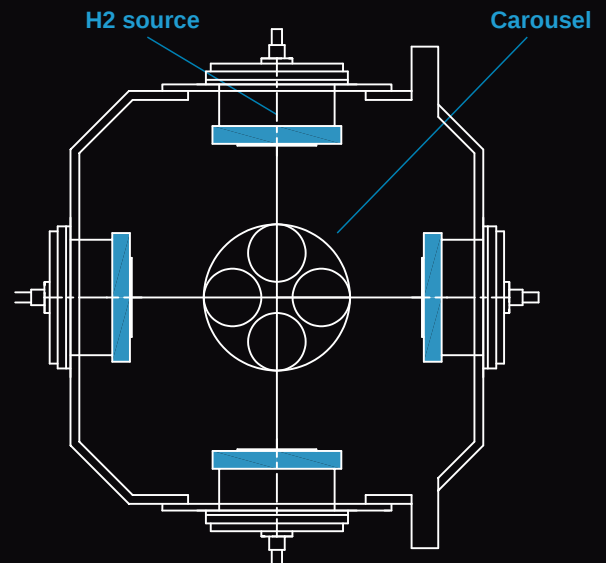


Fast Deposition



Model H

Effective Coating Area (mm)	D450*H500 mm
Max. Loading Weight (kg)	600 kg
PVD Technology	H2 = HiPIMS2.0
Etching Technology	TACE®
Number of HiPIMS® Cathodes	4 sets
Capacity for Drill Bits	2600 pcs (Φ4*50mm)
Capacity for Parts	6500 pcs (12.7*3.5mm)
Deposition Rate	1.5μm/h
Single Batch Cycle Time	5h
Coating Formula	Special H2 Formula
Overall Dimension	L4500×W2000×H2200 mm



Applications



Cutting tools



Gear machining tools



Metal forming tools



Precision components

Customised coating

Provide exclusive coatings according to customer's application needs, giving customers a unique advantage over the competition

Naxau Cemented Carbide CNC Blade - PVD Coating Solution

Ingredient	Hardness (HV)	Film thickness (um)	Coefficient of friction	Color	Max operating temperature (°C)	Application scenarios (preferred)
AlCrTi	3500±200	0.5-3	0.5	Dark gray	≤1100	General machining of carbon steel, die steel, and stainless steel with HRC50 or lower.
AlTiSiX	3600±200	0.5-3	0.4	Bronze	≤1200	Processing of difficult-to-machine materials such as 50-65HRC high-hardness die steel, titanium alloy, and nickel-based superalloys.
AlTiSi	3400±200	0.5-3	0.4	Bronze	≤1200	General machining of carbon steel, mold steel, and stainless steel with a hardness of HRC50 or lower.
AlTi+ZrN	3200±200	0.5-4	0.3	Light golden	≤1100	Processing of non-ferrous metals such as titanium alloy, aluminum alloy, stainless steel, and ordinary carbon steel.



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