



## Advanced, High-Performance, Nanocomposite Coatings

Trade Name	Key Attributes	Coating	Hardness	Service Temp.	Applications	Color
<b>P50™</b>	High Elasticity Ductile	Me-DLC	500-1100	600 °F	Automotive, Firearms, Decorative	
<b>P51+™</b>	Improved Durability Super High Lubricity Self Lubricating	DLC	~2300	600 °F	Automotive, Molding, Forming, Oil & Gas, Firearms, Decorative, ...	
<b>E2™</b>	Low Stress High Abrasion Resistance Corrosion Protection	CrN	2000-2200	1100 °F	Plastics, Extrusion Molding, Metal Stamping & Forming	
<b>E6™</b>	Improved Hardness Abrasion Resistant Ductile	TiCN	2800-3200	550 °F	Punches, Metal Stamping & Forming, Decorative	
<b>E10™</b>	High Hardness High Heat Resistance Corrosion Resistance	AlTiCrN	3000-3300	1500 °F	Dies, Gears, Plastics	
<b>E17™</b>	Oxidization Protection High Hardness High Heat Resistance	AlTiN	3500-3800	1650 °F	Metal Injection Molding (MIM), Punches	
<b>E18™</b>	Wear Resistant Oxidization Protection Ductile	TiN	2300-2500	900 °F	Plastics, Gears, Metal Stamping & Forming	
<b>E20™</b>	High Hardness Oxidization Resistance Thermal Fatigue Resistance Soldering Resistance	CrWN	3000-3200	1600 °F	Dies, Plastics	

- ✓ Applied using next-gen deposition - PeCVD, ARC-PVD, PVD
- ✓ Customizable to meet the demands of various applications
- ✓ Built, Developed, and Tested by our world-class R&D team

Typical Thickness: 2 - 6µm, application dependent

\* not applicable to all coatings

