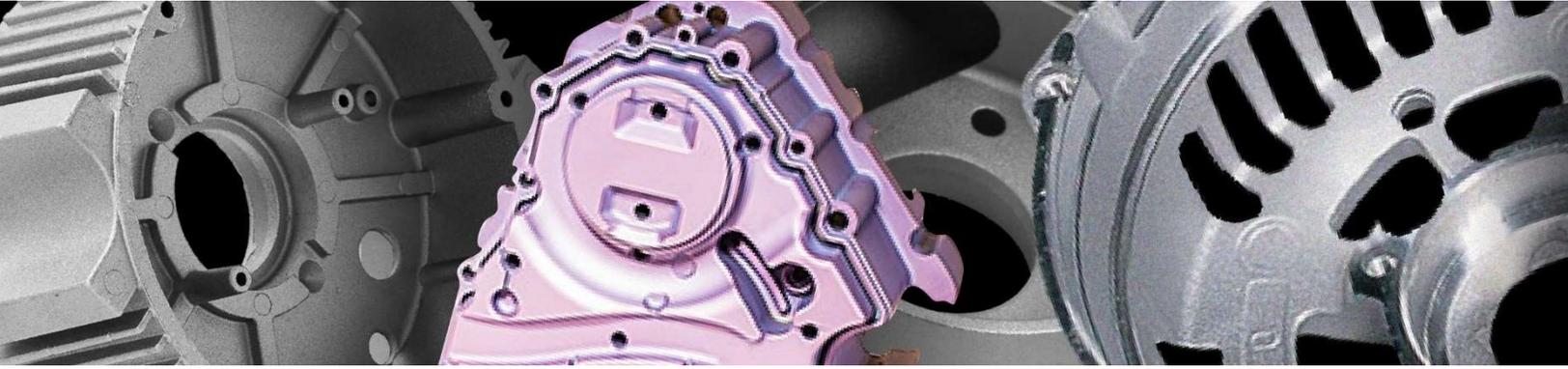


Aluminum Die Cast / Extrusion

Coating Portfolio



PVD coatings:

Coating	Composition	Coating Architecture				Application			Properties				
		Single Layer	Multilayer	Gradient	Duplex	Al Alloy with Low Si Content	High Alloyed Al	High Pressure Casting	Maximum Thickness, μm	Hardness HV ± 200	Thermostability $^{\circ}\text{C}$	Case Hardening Layer Thickness,	Color
PERFORMANCE COATINGS		<i>"Coating Thickness capability from 0.5 to 25 μm available upon request"</i>											
CRN	CrN	*			*	*			10	2,000	800	50-70	Silver
V10	VCN	*		*	*	*			10	2,500	700	50-70	Yellow
All-CAST	TiAlN Based		*		*	*	*		10	3,300	900	50-70	Dark Purple
ADVANCE HIGH-PERFORMANCE COATINGS		<i>"Coating Thickness capability from 0.5 to 25 μm available upon request"</i>											
All-CAST V	TiSiN Based		*		*	*	*	*	10	3,700	1,000	50-70	Dark Bronze
CRALON-CAST	AlCrN Based		*		*	*	*	*	10	3,500	1,100	50-70	Grey
CRALON-V	AlCrN Based		*		*	*	*	*	10	3,500	1,100	50-70	Grey