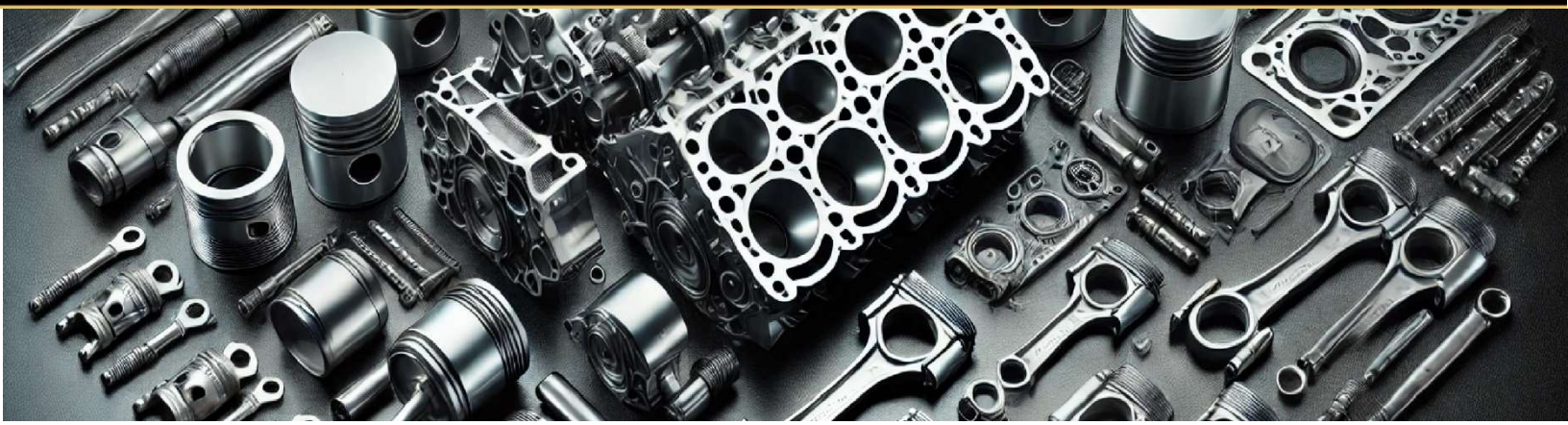
Motorsports Application, Engineered for Peak Performance

Coating Portfolio

Sputtek
ADVANCED METALLURGICAL COATINGS







PVD Coatings:

Coating Material	TiN	ZrN	TiAlN	TiSiN	DLC	CrN
Color	Gold	Champagne	Gray	Bronze	Gunmetal	Silver
Coating Microhardness (HV 50), ± 200	2,200	3,000	3,000	3,800	4,000	2,000
Coating Thickness range (µm)	2-5	2-5	2-5	2-5	1-3	2-5
Coefficient of Friction (dry over steel)	0.3	0.5	0.5	0.2	0.1	0.3
Coating Deposition Temperature °C	400	400	400	400	200	400
Service Temperature °C (Range or Max.)	600	600	900	1,100	500	800

"Coating Thickness capability from 0.5 to 25 µm available upon request"

Sputtek
SPUTTEK INC. *Toronto, Canada*
110 Sharer Road, Woodbridge, ON, Canada L4L 8P4
Phone (416) 213-9833
Fax (905) 850-0689
info@sputtek.com
www.sputtek.com
Intertek
Over 30 Years of Quality Services

Components & Motorsports Application, Engineered for Peak Performance

Sputtek
ADVANCED METALLURGICAL COATINGS

Applications:

Transmission Gears and Differential Gears, Fork Tubes
Electronic Connectors and Contact Pins, Turbine Blades and Rotors
Engine Pistons, Camshafts, and Rings, Drive Shafts
Precision Screws and Spindles, Fuel Injector Nozzles
High-Speed Bearings and Bushings, Valve Train Components

Industries:

Automotive, Motorcycle, Aerospace, Marine, Motorsport and Racing, Rail, and Power Generation, Heavy Machinery and Construction Equipment, Agricultural Machinery, and Industrial and Stationary Engines,
Electronics and Semiconductors

Benefits:

PVD coatings improve wear resistance, reduce friction, and protect against corrosion. Coatings minimize wear and enhance load capacity in aerospace and high-performance systems. PVD coatings reduces wear and withstands high temperatures for greater durability. Coatings provide abrasion and corrosion resistance for stable performance.

Sputtek
SPUTTEK INC. *Toronto, Canada*
110 Sharer Road, Woodbridge, ON, Canada L4L 8P4
Phone (416) 213-9833
Fax (905) 850-0689
info@sputtek.com
www.sputtek.com

Intertek
Over 30 Years of Quality Services