



TRIBO COATING

Engineering Manufacturing High Performance Coatings
Ion Implantation - NEW FOR SUMMER 2012

Tribo Surface Engineering, LLC is a World-Wide Leader in Surface Engineering

Available Coatings from Tribo Material Research - SUMMER 2012

Our Best Hardness Coatings

Coating	Hardness	Coefficient Friction	MAX Serv.Temp	Color
TiN	2300	0.4	600° C	Gold Yellow
ZrN	2400	0.4	600° C	Pale Gold
CrN	2000	0.5	700° C	Silver Grey
TiCN	3000	0.4	400° C	Blue Grey
ZrCN				Bronze
CrCN	2300	0.2	600° C	Black
TiCrN	2100	0.5	700° C	Dark Grey
MoS ₂	900	< 0.01	600° C	Black

We can Coat ANY METAL onto ANY METAL, PLASTIC, CERAMIC, CARBIDE or GLASS Substrate - Call us for more information - 310.329.1955

World's Best Lubricious Coating with the Lowest Coefficient of Friction Available

MoS ₂	900	< 0.01	600° C	Black
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MoS₂ versus DLC Lubricant Coatings

Diamond Like Carbon (DLC) has a Maximum Operation Temperature of only 250° C

Tribo's MoS₂ coating has the ability to work in Temperatures up to 600° C

DLC has a Hardness rating of 2000. Unlike DLC, which is a thick coating on a surface, MoS₂ is deposited onto the material @ .5 microns and will assume the hardness values of that material including our other PVD hard coatings up to and over 3000!

DLC is not recommended to work against Ferrous surfaces.

DLC's Low Coefficient of friction is greatly increased in a Vacuum to .2 - .7 CoF (NASA 2000 Study)



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Tribo Surface Engineering, LLC has been serving the engineering community since 1989 providing coating, design and manufacturing solutions to Aerospace, Racing, Electronics, Automotive, Heavy Industrial, Railroad, Marine, Medical and a host of other demanding and leading edge industries.

Creative research and engineering for innovative results.

Ask about our extensive fixturing design and manufacturing experience.

ONLY AT TRIBO ...

THE WORLD'S LARGEST HEAVY METAL ION IMPLANTER

www.tribosurfaceengineering.com

or CALL US FOR MORE INFORMATION.

Tell us what solutions you require. We are here to help.