

PVD COATING

Technical Specification

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Physical Vapor Deposition (PVD) is a method of applying a thin metal coating using vacuum deposition techniques. PVD involves transitioning the material from a solid phase to a vapor phase and then back to a condensed thin film phase. PVD relies solely on physical mechanisms, unlike chemical or electrochemical processes, resulting in superior technical properties. This coating method is particularly suited for high-quality products requiring exceptional chemical and technical attributes such as resistance to abrasion, scratches, and corrosion, along with a diverse range of color options.

An outstanding feature of PVD coatings is their enduring quality and durability. By employing a High Protection System, the PVD process ensures long-lasting color stability, high surface hardness, and resistance to UV rays, wear, abrasion, and corrosion. Notably, PVD is an environmentally friendly process, as it does not generate pollutants or toxic residues that could harm the ecosystem at any stage of production.

Sheets

Max. Thickness: 5 mm
Width: 1200 to 1500 mm
Max Length: 3000 mm

Pipes

Max. Thickness: 5 mm
Diameter: Upto 10"
Max Length: 4000 mm

Tubes

Max. Thickness: 5 mm
Profile: Square and Rectangular
Max Length: 4000 mm

For custom-fabricated components and products please contact our team.

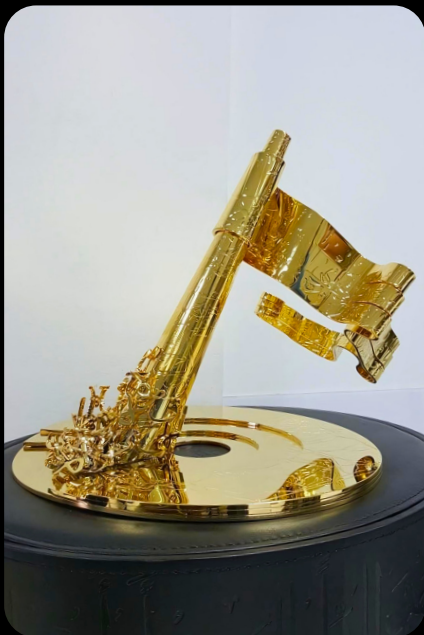
Colors Available:

- Black, Blue, Bronze, Copper, Gold, Green, Purple, Rose Gold, Champagne Gold, Pink, Violet

PVD BENEFITS

- Environmentally friendly
- Consistent deposition
- Absence of harmful by-products
- Significantly reduced production time compared to traditional chrome plating methods
- Preserves the elasticity and flexibility of the coated item
- Extensive finish options: colors, brightness levels, glossy, and matte finishes
- Compatible with a diverse range of substrates





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