

NEWS RELEASE

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Firearms manufacturers: improve your products with Diamond-Like Carbon Coating applied in-house

You can DLC coat pistols for just \$1 per component with one of our affordable, right-sized coating machines.

August 1, 2019 [Longmont, Colorado]— Diamond-like carbon (DLC) coating is used on numerous firearms components as well as on other outdoor sporting items. This hard layer is applied through either a physical or plasma-enhanced chemical vapor deposition process, referred to as PVD and PE-CVD respectively. During this process, molecules of various materials are vaporized and returned to a solid in a thin layer on the surface of what is being coated.

DLC coating is particularly beneficial in coating firearms and knives as it increases durability, reduces sliding friction, is only microns thick, and is effective on a variety of materials. In addition, per-part coating costs using a VaporTech PVD/PE-CVD coating machine from Vapor Technologies, Inc., are as low as \$1 for a typical pistol component. This beautiful coating choice is not just for the big guys anymore as it can be applied using our new line of right-sized PE-CVD coating systems!



Diamond-like durability

DLC coating's durability and longevity contribute to its growing popularity with firearms manufacturers and their customers. Applying this thin layer adds hardness to the entire surface, protecting parts from scratches and other forms of wear.

Low-friction sliding

As firearms have precision-machined parts, it is important to have all sliding mechanisms functioning properly and to have resistance and friction minimized using DLC may lead to less need for lubricants and therefore less dirt and dust build-up, and our equipment helps you improve your products.

Base material compatibility

Another major benefit of diamond-like carbon coating is its ability to adhere to a wide variety of materials and shapes. Using the PE-CVD process in a VaporTech system ensures the DLC coating is applied evenly across gun components, providing durability and a smooth finish to parts, including:

- Triggers
- Sights
- Frames
- Muzzles
- Barrels
- Metal framings



New systems offer the size, price, and capacity today's companies need

VaporTech recently launched its VT-*i* Series PVD/CVD coating machines: Brand-new equipment that meets today's needs for efficiency, cost-control, and product quality and differentiation. These new systems are:

- Right-sized for all operations
- Affordable
- Compact footprint
- Easy to operate
- High-quality coatings
- PVD & DLC capable

Contact us at [\(303\) 652-8500](tel:3036528500) today to see which coating equipment is right for you.

The VT-500i, pictured above, is the smallest VaporTech system, bringing in-house coating to smaller manufacturers.