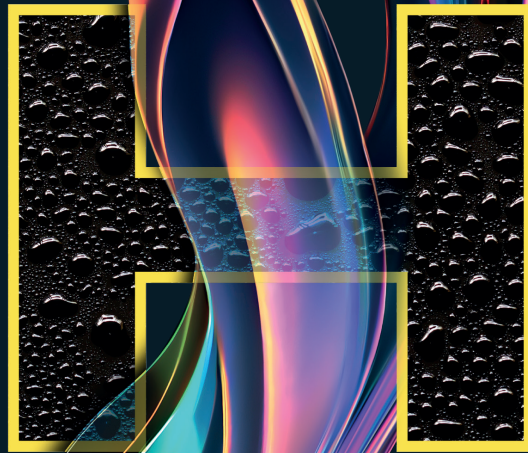


SOLVACS HYBRID PVD

Specially designed for the coating industry



**Maximum purity.
Flexible use.
Space saving & scalable.**

The new way of cleaning for high-purity
surfaces prior to PVD or DLC coating.

SOLVACS HYBRID PVD

Amazingly clean:

With HYBRID PVD, HEMO delivers a cleaning process for achieving pure surfaces which are a must for any coating process and which can be adapted to the respective batch size of the coating system.



Cleaning technology specially designed for the coating industry

The new HYBRID PVD cleaning process from HEMO brings all of them together:

The further development of the patented SOLVACS technology offers new possibilities in cleaning before the coating process. Instead of long in-line immersion systems that require a lot of space and are very maintenance-intense, HYBRID PVD offers the best of two worlds in just one cleaning chamber with the proven combined use of solvent and aqueous media. Special intermediate rinsing processes as well as the surface finish of the chamber ensure self-cleaning after each process and minimum carryover of cleaning detergents.

HYBRID PVD combines solvent cleaning under vacuum with a wide variety of aqueous detergents to completely remove any type of contamination. The vacuum process reaches even complicated geometries like undercuts and blind holes in a process-safe manner. The rinsing baths are automatically monitored and reprocessed internally. The final step is vacuum drying after solvent thus any risk of corrosion is averted. Finally, high-purity surfaces, free of filmic or particulate contamination, are the necessary requirement for perfect functional coatings as well as modern visible coatings like e.g. chrome-plated or matt black bathroom taps.

The perfect cleaning: The HYBRID PVD cleaning process

Organic contaminants

(non-polar / non-water soluble)
e.g.: oil / grease / wax / petroleum

To be cleaned with

Hydrocarbons (HC)

Mixtures (MA + HC)

Modified alcohols (MA)

Inorganic contaminants

(polar / water soluble)
e.g.: emulsion / salt / abrasion / fingerprints

To be cleaned with

Water-based cleaning

BEYOND cleaning process

HYBRID PVD CLEANING