



# PRESS RELEASE

## Pressemitteilung

### **New LEYBOLD OPTICS machine for the vacuum coating of 3D plastic parts**

The CompactMet is a newly developed, economic machine for the vacuum coating of 3-dimensional plastic parts such as automotive head –and rear-lamps.

Precise process control, ultra-fast-cycle time, small footprint and lowest Cost of Ownership are the main characteristics of this mass production solution.

The patent pending concept of the machine provides obvious advantages for the automotive mass production.

The machine allows the batch type processing with a loading capacity of two rods, 1500 mm usable length and 540 mm usable diameter each, per batch. The double door design minimized the mean-time-between-batches.

Key components for the deposition of Aluminium and a Siloxane Top-Coat are the high-rate-thermal-evaporator unit and the high-performance PECVD (Plasma-Enhanced-Chemical-Vapour-Deposition) station including four MF-powered electrodes.

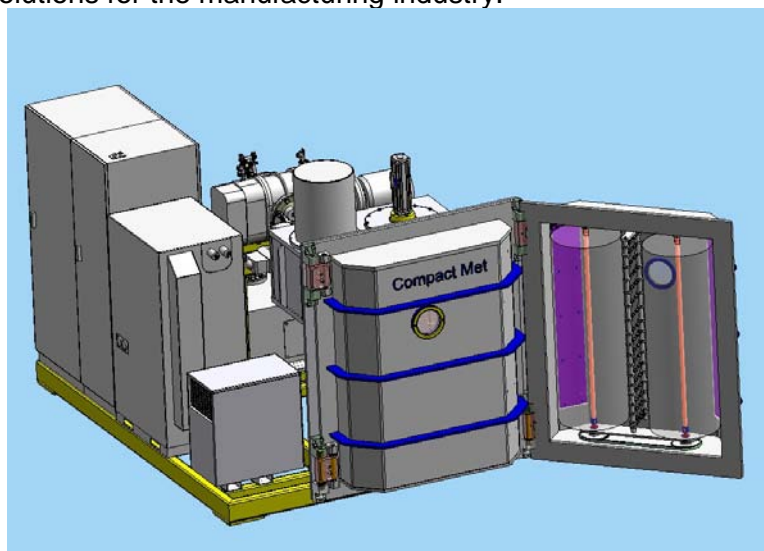
The vacuum pumping is managed by a high efficient pumping system including a newly developed high-performance cryo-coil.

The combination of the high-performance deposition sources and the enhanced vacuum pumping system results into cycle times of shorter than 7 minutes.

The footprint optimized machine (9 m<sup>2</sup> with one-door-layout, door in closed position) is installed into an easy-to-handle steel-frame. This allows easy and fast handling and transportation of the system.

A first series of the new CompactMet machines has been successfully handover for the mass-production at a leading car-lamp-manufacturer site.

LEYBOLD OPTICS, one of the leading manufacturers of vacuum coating machines, underlines with this machine the capability to provide innovative, mass-production-capable solutions for the manufacturing industry.



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