



3D-COATING

# AluMet 1800V

The flexible solution  
for complex tasks



LEYBOLD OPTICS



## Meeting individual requirements

The name of LEYBOLD OPTICS is known all over the world for well thought-out solutions for the coating industry. Our philosophy: manufacturing coating systems that do not only excel in their absolute process stability and the perfect results they produce, but also in low costs of ownership. Our systems always meet the highest demands on handling while requiring only the least possible amount of maintenance work. LEYBOLD OPTICS stands for even more: unique systems with tailor-made manufacturing processes.

Our division '3D Coating' focuses on the coating of products that have complex geometries, like reflectors/bezels in the automotive industry.

## A flexible family of systems for complex tasks

High throughput and perfect results: AluMet 1800V rightly bears the name of LEYBOLD OPTICS. Our family of systems designed for the coating of complex plastic, metal, glass, and ceramic parts combines high quality and short maintenance times with simple handling on a flexible platform. AluMet 1800V secures competitive advantages for our customers.

### FULLY CONTROLLED BY IPC SYSTEM

Glow discharge pre-treatment, PECVD base coating and PECVD protective coatings, or the thermal evaporation of aluminum – AluMet 1800V can do even more. Which-ever process sequence you need to carry out, the process is fully controlled by a state-of-the-art IPC system. In addition, the system can be integrated into your own network and is prepared to be serviced by modem if required.





## A vertical evaporation system

AluMet 1800V is the latest LEYBOLD OPTICS product in this market segment to use a vertical configuration instead of a horizontal evaporation system. The AluMet 1800V 1500 provides the opportunity of integration into a just-in-time production process.

### OPTIMIZING YOUR PRODUCTION

The systems belonging to the AluMet 1800V family are built in a 'clamshell' design. Each of their two double doors is equipped with a set of planetary rods with single-fold thermal evaporators (filament type) and a glow discharge cathode. The chamber section is stationary. While one chamber door is closed and the process running, the substrates loaded on the other door can be changed easily.

### INDIVIDUAL FILAMENT EVAPORATORS

Batch running times in AluMet 1800V vary between 15 and 30 minutes. A three-stage pump set, which excels by a short pump-down time, is used to generate a vacuum. Each door is equipped with a planetary system. The metallizer incorporates a system of specially designed, individually adjustable filament evaporators that change with your changing requirements.

### CUSTOMER SUPPORT

Even after the products of the various spheres of our business have been handed over to our customers, our customer support provides comprehensive service worldwide. Our staff offer assistance in production and process planning, supply spare parts, vacuum components, and testing agents. The support specialists also concern themselves with used systems and conversions.

Stay one step ahead - with LEYBOLD OPTICS.



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