



Broad product range for the needs of the glass coating industry



The growing global importance of energy efficiency and environmental awareness causes an increasing demand for low emission coatings.

The coating technology is used in architectural and automobile glass as well as thin-film solar cells. The Asian markets especially have experienced strong growth, particularly in the architectural sector. China, for example, is solely responsible for 40 % of the overall demand for coated glass. Coating systems are generally used 365 days a year, usually for 15 years and more. These long uptimes set tough demands. In addition to robustness, high reliability and longer life, lowest possible operating costs are becoming more and more important.

As a proven partner for the coating industry, Pfeiffer Vacuum designs tailored complete solutions that meet all the requirements placed on an inline sputter coating system.

Perfect solutions thanks to individual planning

With the help of vacuum pump simulations, Pfeiffer Vacuum is able to support its customers already in the design phase with suggestions for cost savings through improved conductance.

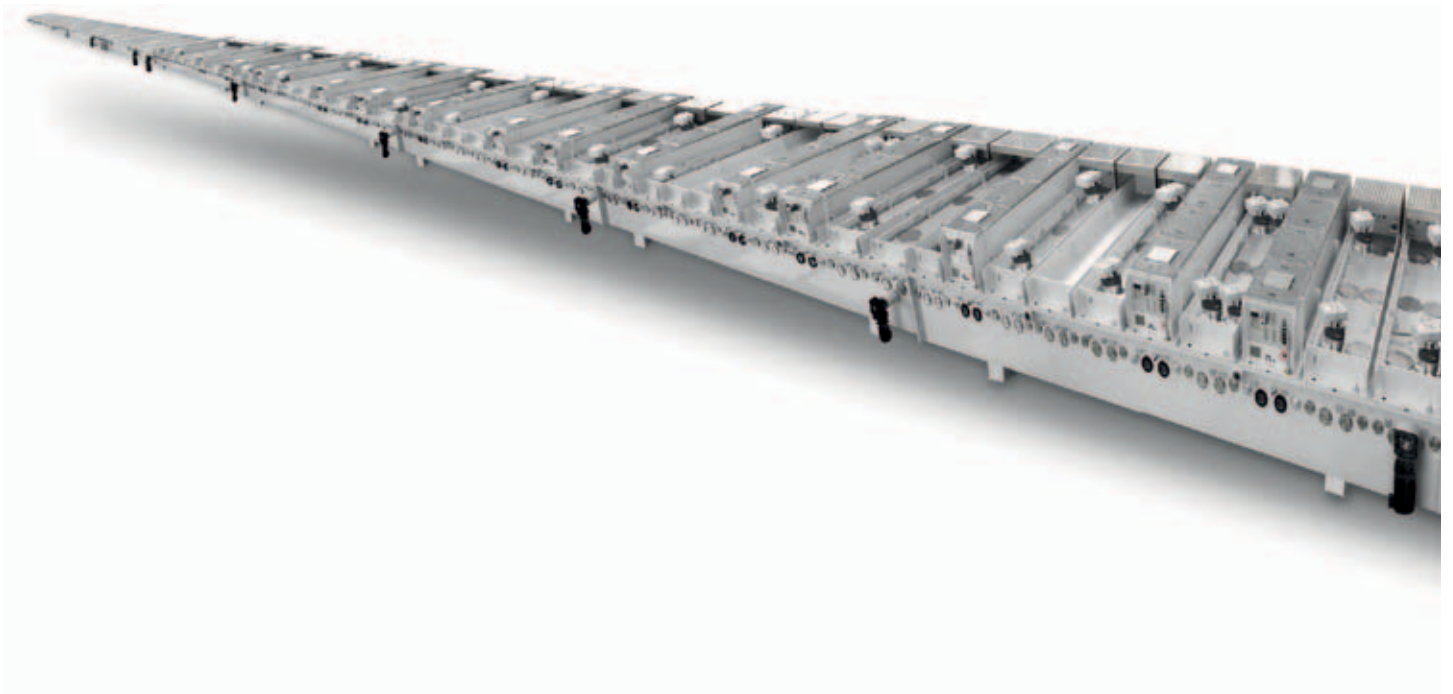


Figure 1: Pfeiffer Vacuum pumps installed at a coating system of Leybold Optics

In the implementation phase, the magnetic bearing technology in the pumps combines highest possible performance with minimal power consumption (generally 0.2 kW at the highest loads) and low use of cooling water (60 l/h clarified water). Careful maintenance ensures maximum operating periods for a coating system, which is continually optimized in cooperation with the customer. When it comes to glass coating, we focus on launching new processes (such as HDMSO) and the by products that can be generated in a process.

Central monitoring system for comfortable system control

By the aid of a central monitoring system, all the pumps in an inline sputter system – up to 200 – can be monitored. The system provides access to the key data such as rotation speed, energy consumption and temperature. Error displays allow for quick reactions.



Figure 2: Glass coater of Leybold Optics with HiPace turbopumps by Pfeiffer Vacuum

After sales service for best product functionality

Pfeiffer Vacuum has established a sales and service network for long product life and lowest possible down times. It guarantees fast and reliable service around the world, seven days a week.

A wide range of training courses provides background knowledge and technical information on the operation and maintenance of the installed vacuum system as well as background training courses about customer specific subjects round off Pfeiffer Vacuum's services.

**Vacuum solutions
from a single source**

Pfeiffer Vacuum stands for innovative and custom vacuum solutions worldwide, technological perfection, competent advice and reliable service.

**Complete range
of products**

From a single component to complex systems:
We are the only supplier of vacuum technology
that provides a complete product portfolio.

**Competence in
theory and practice**

Benefit from our know-how and our portfolio of training
opportunities! We support you with your plant layout
and provide first-class on-site service worldwide.

**Are you looking for a
perfect vacuum solution?
Please contact us:**

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