TURBOVAC MAGiNTEGRA
Wide range Turbomolecular pumps
Our TURBOVAC MAGiNTEGRA combines accuracy, precision and reliability - qualities that are essential to the vacuum technology and aircraft industries alike. When it comes to vacuum technology, magnetically levitated turbomolecular pumps from Leybold feature high pumping and gas throughput for faster pumpdown to improve equipment cycle times. The new 5-axis active magnetic bearing and drive system combines high reliability and efficient operation.

Advantages of magnetically levitated turbomolecular pumps

- Insensitivity to process particles/dust
- Shock venting tolerance
- Reliability in industrial environments
- Robust and trouble-free operation
- Low cost of ownership
- Suitability for vibration-sensitive applications
- Maintenance-free operation in most applications
- Monitoring of performance data
- Self-protection in case of exceeding operation limits or malfunction
Industrial applications

**Highlights**

- Fully integrated converter and power supply eliminate the need for a conventional rack-mounted controller and interconnecting cables.
- Flexible design with controller position on the side or bottom for easy system integration.
- Innovative and modular industrial communication solution allows easy integration with customer equipment to meet current and future requirements.
- High robustness in industrial environment due to protective class IP 54 required in PVD, display, solar and optical coating applications.

**Accessories**

Choose from a wide range of accessories to control and monitor performance of the TURBOVAC MAGiNTEGRA:

- Controllers for pressure measurement.
- Systems for active and passive sensors, water and air cooling facilities, venting valves, cables, etc.
- Forevacuum pumps and systems, engineering and application support.

**Options**

MAG W Turbomolecular pumps are available with these following features:

- Inlet flanges ISO-K, ISO-F, CF.
- Mounting position of the integrated controller and power supply flanking: iP version / bottom: iPL version.
- Interfaces 9 pin 24V PLC, Profibus, RS485, Ethernet and others based on the customer’s particular needs.

**Performance Data**

![Graph showing performance data](image)

**Applications**

**Coatings**

- Industrial glass coating
- Web
- Optical

**Solar**

- Sputtering (TCO)

**Display**

- Flat Panel
- PVD
- LCD

**Analytics**

- Analytical systems
- Electron microscopes
- Particle accelerators
## Ordering information

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<sup>1</sup> IP: flanking controller installation  
<sup>2</sup> IPL: bottom controller installation  
<sup>3</sup> Additional interface options, including RS485 and Ethernet, are available on request