

## Mass Flow Controllers now available with EtherCAT and PROFINET Interfaces

Open. Efficient. Easy to implement. Industrial interfaces allow you to easily combine the power of MEMS-based thermal mass flow technology with your EtherCAT or PROFINET network.



Available with:  
**PROFINET**  
and

**EtherCAT**  
Interfaces

### Your Applications

- Thin Film Processes
- Physical Vapor Deposition (PVD)
- Chemical Vapor Deposition (CVD)
- Etching
- Plasma Generation and Cleaning

### Our Strengths

- Ultrafast Reaction Time
- Compact Size
- Unmatched Dynamic Flow Range
- Outstanding Long-Term Reproducibility
- Multi-Gas Capability

### Advantages PROFINET® and EtherCAT®

	RS232	RS485	PROFINET	EtherCAT
Max. number of connected devices	2	32	Unlimited	65535
Flexible network topology	No	No (line topology)	Yes	Yes
Transmission speed	57.6 kBit/s	12 Mbit/s	100 Mbit/s	Scalable to > 100 Mbit/s
Standardized Protocol	No	No	Yes	Yes
Real-time communication	No	No	Yes	Yes

## About Axetris AG

Axetris AG, a company of the Leister group, is serving OEM customers with micro technology based (MEMS) infrared light sources, laser gas sensors, mass flow sensors and controllers and micro-optical components used in industrial, process control, environmental, medical automotive and telecom applications.

Axetris supports its customers in many industries with in-depth application know-how. Our engineering and manufacturing teams combine broad experience in simulation, design, manufacturing and metrology from microchip level to advanced electronic and electro-optic modules.

Customers benefit from excellent product value, consistent high product quality and outstanding customer support. OEMs rely on Axetris as a competent and sub-system partner for a wide range of high-quality off-the shelf products as well as customer specific solutions from concept to volume production.

Axetris is ISO 9001 certified and operates its own 6" to 8" wafer MEMS foundry in Central Switzerland for its own products and external customers.



## About Axetris Mass Flow Meters and Controllers

Axetris offers OEM mass flow meters (MFM) and controllers (MFC) which offer outstanding value to the customer. The proprietary, platinum-based MEMS chip technology guarantees excellent accuracy and repeatability in combination with high speed and an extended dynamic range.

The Axetris mass flow technology is used by many leading companies in the fields of gas chromatography, leak testing, thermal analytics, mass spectroscopy, thin film deposition, plasma engineering and more.

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