

Ensure high-purity preforms and low-loss optical fiber



Mass Flow Controllers

Simplify troubleshooting and minimize rejected batches using multivariate readings of mass flow, volumetric flow, pressure, and temperature as well as custom flow alarm triggers.

- 10 ms measurement response; 30 ms control response
- 10,000:1 turndown ratio
- NIST-traceable accuracy as good as 0.5% of reading
- With a push of a button, switch between 130 pre-loaded gases including dopant, fuel, and shielding gases
- VCR fittings, EIP, locking connectors, and thousands of other customization options for easy integration
- Flow rates from 0.5 SCCM to 5000 SLPM



Absolute and Gauge Pressure Controllers

Ensure repeatability and prevent batch loss with rapid response, high control stability, and custom pressure alarm triggers.

- 10 ms measurement response; 30 ms control response
- 10,000:1 turndown ratio
- NIST-traceable accuracy as good as 0.125% of reading
- VCR fittings, EIP, locking connectors, and thousands of other customization options for easy integration
- Custom pressure ranges from 10 TorrA to 3000 PSI

Greater repeatability and efficiency

Step 1: Making the preform

Maximize repeatability and prevent rejected batches by precisely regulating fuel gases with mass flow controllers.

Step 2: Drawing the fiber

Monitor data continuously and utilize pressure and flow alarm triggers to quickly detect and correct spikes and zero-flow conditions, minimizing process downtime.

Step 3: Quality control & ribbon coating

Maintain fiber consistency and coating thickness with 4 ms response times to pressure changes.

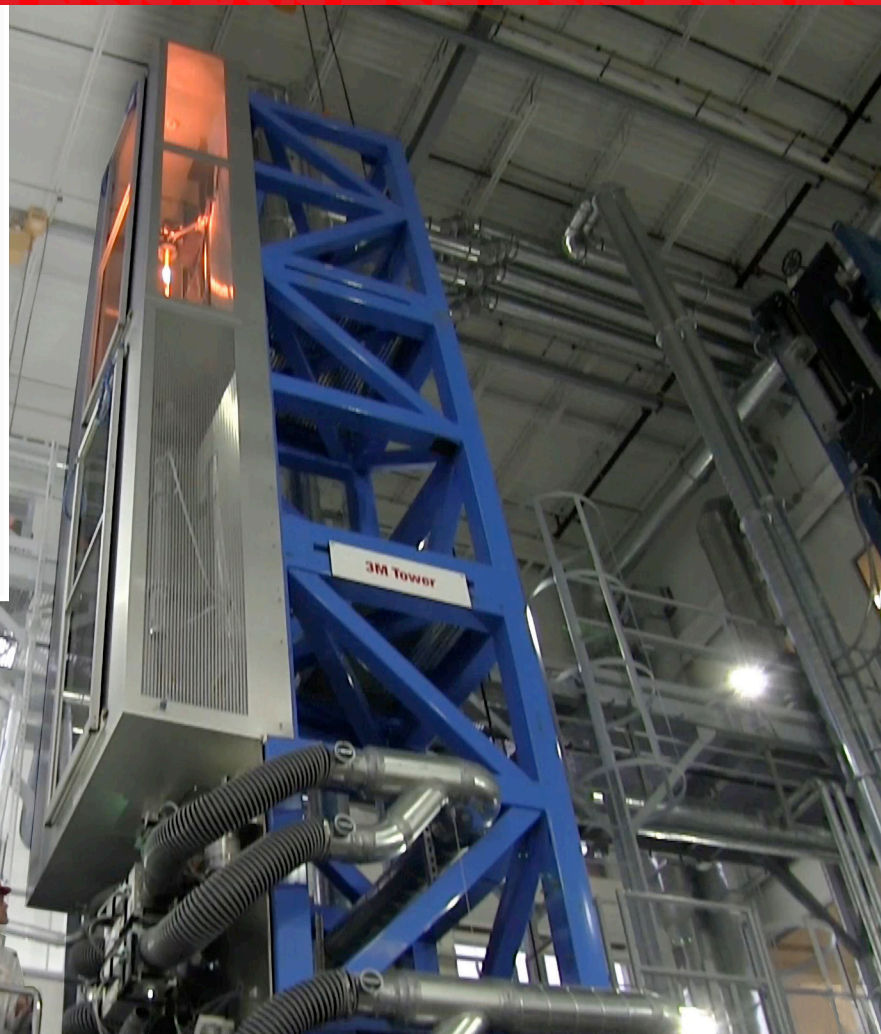


Photo courtesy of Thorlabs, Inc.



Improve efficiency with flexible instrumentation

- Regulate a wide range of flow rates with a 10,000:1 turndown ratio
- Flow up to 130 gases without the need for recalibration
- Lifetime warranty and free technical support from on-site applications engineers