

Latest News from Applied Multilayers

No.8

APPLIED MULTILAYERS EXHIBITING AT THE SVC

Applied Multilayers is exhibiting at the 2009 SVC Exhibition held at the Santa Clara Convention Center, May 11th and May 12th. Applied Multilayers can be found on **Booth # 735**. Des Gibson will be on hand to provide details on ways in which closed field reactive sputtering can solve your problems in thin film photovoltaics, precision optics and ophthalmic lens coatings.



Booth #735

Details will be available describing the range of optical coating systems available from Applied Multilayers including the new high throughput CFM1050.

NEW WEBSITE FOR APPLIED MULTILAYERS

www.applied-multilayers.com

The new Applied Multilayers website reflects the increasing customer base and wider range of applications for closed field reactive sputtering. The website contains a number of free technical downloads and also allows registration to receive periodic information via e-newsletters.

THE NEW HIGH THROUGHPUT CFM1050

Applied Multilayers has launched the new CFM1050. This is a high throughput optical coating machine based on a 0.75m diameter vertical drum (1m height). The coating area is 2.35m² per batch. The machine can be fitted with up to 8 linear magnetrons, 1.2m in length. The magnetrons are fitted in a closed field arrangement in doors either side of the chamber. Pumpdown time to pre-process pressure is as short as 5 minutes with a Meissner

trap fitted as standard. The substrate drums are retractable and a new drum with fresh substrates can be exchanged for one holding coated parts in about 1 minute.

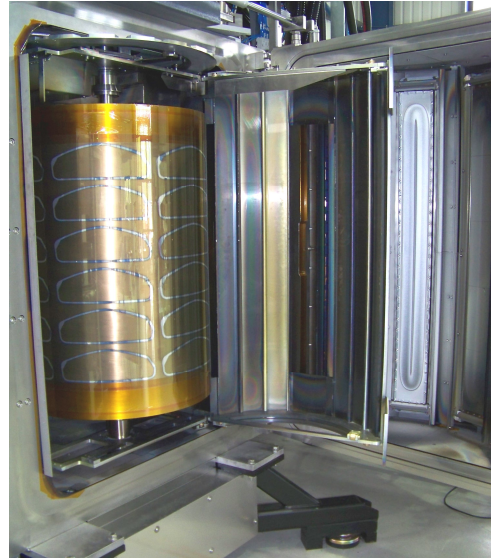


Figure 1: The two door CFM1050 is equipped with eight 1.2m linear magnetrons (with four in each door). The system can also be equipped with a final stage metal patterning process.

The two-door CFM1050 is equipped with eight 1.2m linear magnetrons (with four in each door).

Features of the new high throughput CFM1050 include:

- **Low temperature process, suitable for glass or polymer substrates.**
- **Software allows ultimate process flexibility controlling thin film thickness (time), gas pressure, stoichiometry, thin film microstructure etc.**
- **Co-deposition from two or more magnetrons.**
- **The closed field process produces superior, super-smooth, dense thin films with low stress.**
- **Flexible process technology for TCO's, Metals and Semiconductors, Metal-Oxides, Metal-Nitrides and Metal Carbides.**

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