



DENTON VACUUM

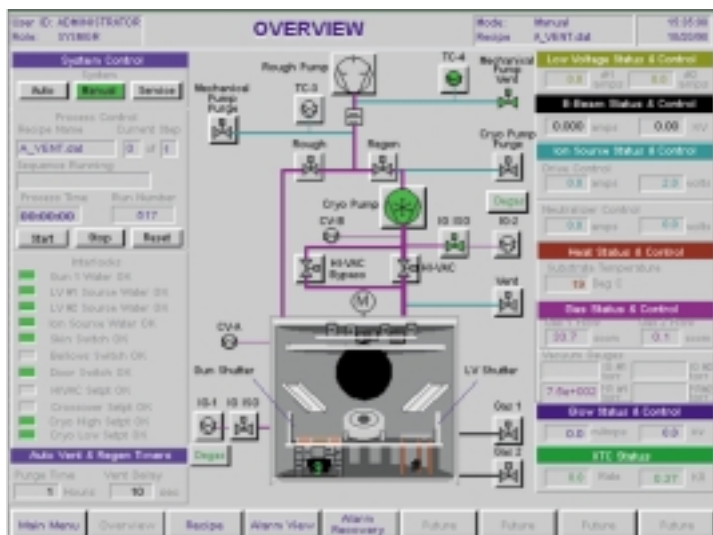
# Precision Optics

With a Denton Vacuum coating system you have access to our extensive experience in thin film coatings and processes. We are technology leaders in electron beam evaporation, thermal evaporation, ion assisted processes, sputtering, in-situ optical monitoring and process automation

- UV-VIS-IR coatings
- Low moisture shift dielectrics
- Ion assisted processes
- Protective topcoats
- ProcessPro® control software



The Denton Vacuum Integrity® evaporative coating systems offer you powerful and flexible coating platforms configured to meet your specific coating application



Advanced Automation

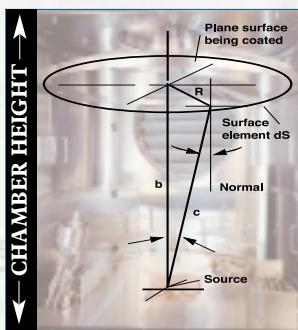
- Dedicated applications laboratories available
- In-house process development team
- Application-specific engineering
- Complete system integration
- World-wide sales and service
- Real-time support (Modem + LAN) for process and service

**DENTON VACUUM - YOUR PARTNER IN COATING TECHNOLOGY**

# Defining Your System

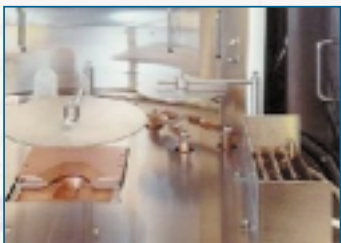


**THE TOLERANCE TRIANGLE** To develop a thin film coating system that yields a consistent product, the components of the system - the design, the process and machine, the performance objective - should be properly matched and take into account the expected manufacturing tolerances. With Denton Vacuum, the machine is designed to fit the process, rather than the process adapted to fit the machine.



## CHAMBER GEOMETRY:

- Optimised for specific requirements



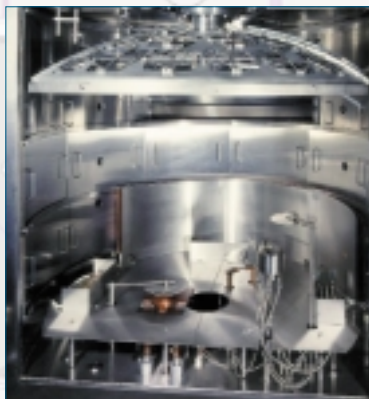
## DEPOSITION:

- Electron beam gun
- Resistance
- PECVD



## SAMPLE FIXTURING:

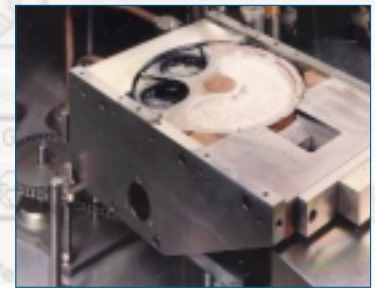
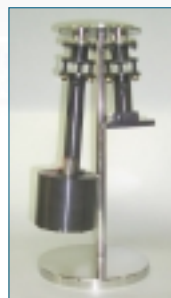
- Planetaries
- Flip-over
- Custom configurations



## THICKNESS CONTROL:

- Quartz crystal
- Optical monitoring

The Denton LambdaPro® optical monitor can be fully integrated within ProcessPro® automation



## SUBSYSTEMS:

Selected for specific processes

- Instrumentation
- Pumping
- Glow discharge
- Heat required



## ION ASSISTED DEPOSITION:

- Cold cathode
- End-hall

The Denton CC 105 ion source is particularly suitable for retrofit in existing chambers due to its size

## YOUR NEXT STEP

Contact Denton Vacuum to discuss your performance objective with a sales engineer .

We can work with you to define and supply a coating system that will meet your requirements.



**DENTON VACUUM**

USA - 1259 North Church Street, Moorestown, NJ, 08057

UK - 109 St. Mary's Road, Market Harborough, LE16 7DT, England

Email: [info@dentonvacuum.com](mailto:info@dentonvacuum.com)

Tel. +1 856 439 9100

Fax. +1 856 439 9111

Tel. +44 (0) 1858 463995 Fax. +44 (0) 1858 468553

Internet: [www.dentonvacuum.com](http://www.dentonvacuum.com)