

BENCH TOP TURBO IV[®]

HIGH-VACUUM DEPOSITION PLATFORM.

THE BENCH TOP TURBO IV IS A FOURTH GENERATION HIGH-VACUUM, THIN FILM DEPOSITION SYSTEM THAT ACHIEVES AN ULTIMATE BASE VACUUM IN THE 10^{-7} T RANGE. AND THE SYSTEM FITS ON YOUR COUNTER TOP.

- ✓ SAMPLE PREP
- ✓ R & D
- ✓ BATCH PRODUCTION
- ✓ IN-LINE PRODUCTION
- ✓ EVAPORATION
- ✓ SPUTTERING
- PECVD

MADE IN THE U.S.A. SINCE 1964

BENCHTOP TURBO IV

THE DENTON DIFFERENCE YOUR PROCESS IS OUR PROCESS

We collaborate with you to design a system that solves your exact thin film coating process needs. When we ship you a tool, it's production ready.

- Our systems scale to meet your production requirements
- We believe in customers for life
- Worldwide support network

AT DENTON WE CARE ABOUT YOUR SUCCESS

- PROFESSIONAL INSTALLATION AVAILABLE
- PERSONALIZED TRAINING AVAILABLE
- REAL-TIME SUPPORT
- CE/UL/CSA COMPLIANT SYSTEMS



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www.dentonvacuum.com

BENCHTOP TURBO IV

GET MORE FOR LESS COST

THE BENCH TOP TURBO IV FEATURES A LARGE BASEPLATE THAT ACCOMMODATES MORE FEEDTHROUGHS, MORE FIXTURING, AND MORE APPLICATIONS.

LARGE CHAMBER

PROVIDES AMPLE SPACE (UP TO 12" DIA X 18" H) FOR EVAPORATION AND SPUTTERING APPLICATIONS.

SHORT PUMP DOWN CYCLES

THE COMPOUND TURBO MOLECULAR PUMP OPERATES AT A RATE OF 65 LITERS/SECOND TO ACHIEVE EXCELLENT BASE VACUUM LEVELS AND GAS LOAD HANDLING.

POWERFUL CONTROL SYSTEM

THE TOUCH SCREEN INTERFACE TO THE PLC PROVIDES FULL CONTROL FOR THE FOLLOWING MODES: SERVICE, MANUAL, AND SEMI-AUTOMATIC. STANDARD SOFTWARE MAKES IT EASY TO SUPPORT AND AVOID COSTLY CUSTOMIZATION FEES.

SAFETY INTERLOCKS MITIGATE DAMAGE TO THE OPERATOR AND THE EQUIPMENT.

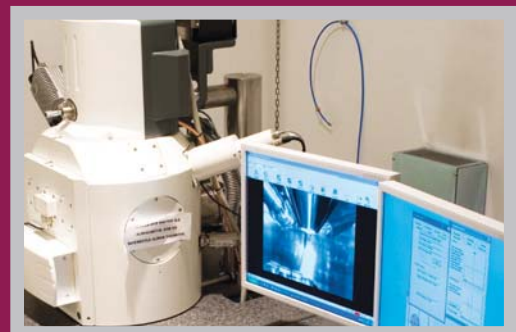
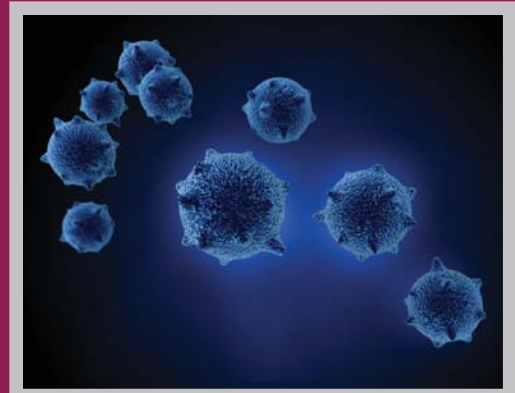
TYPICAL APPLICATIONS

EVAPORATION

- ELECTRON MICROSCOPY SAMPLE PREPARATION
- HIGH-VACUUM CARBON COATING FOR TEM AND X-RAY ANALYSIS
- RESISTANCE EVAPORATION OF METALLIC COMPOUNDS
- CARBON SUPPORT FILMS
- CARBON PLATINUM REPLICAS
- ROTARY SHADOWING
- APERTURE CLEANING
- ASBESTOS ANALYSIS
- FAILURE ANALYSIS

SPUTTERING

- GOLD SPUTTERING FOR SEM
- CHROMIUM SPUTTERING FOR FINE GRAIN FILMS



BENCH TOP TURBO IV

OPTIONS

	EVAPORATION	SPUTTERING
METAL AND CARBON PACKAGES	X	
DSM-300A PACKAGE TO SPUTTER ANY METAL		X
ROTATING PLATES AND TABLES	X	X
AC GLOW DISCHARGE ASSEMBLY	X	X
HEATER ELEMENTS	X	X
QUARTZ CRYSTAL THICKNESS MONITORS	X	X
AUTO EVAPORATION SEQUENCE	X	
MANUAL SELF-STORING BELL JAR LIFT	X	X

specifications subject to change without notice



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