

DV-502B[®]

HIGH VACUUM
EVAPORATOR PLATFORM.

THE DV-502B SYSTEM RAPIDLY CYCLES BETWEEN
ATMOSPHERE AND HIGH VACUUM.

- ✓ SAMPLE PREP
- ✓ R & D
- BATCH PRODUCTION
- IN-LINE PRODUCTION

- ✓ EVAPORATION
- SPUTTERING
- PECVD

MADE IN THE U.S.A. SINCE 1964

DV-502B

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

DV-502B

NO DISCERNABLE CONTAMINATION

WHEN PREPARING SAMPLES FOR ELECTRON MICROSCOPY.

RAPID CYCLE TIMES

WITHIN 3 MINUTES, THE DV-502B ACHIEVES 10^{-4} TORR IN A CLEAN AND OUTGASSED SYSTEM USING A STANDARD 12" DIA X 12" HIGH BELL JAR.

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.

VARIETY OF METALS

EVAPORATES MOST METALS USED FOR OPTICAL COATINGS, METALIZING, AND ELECTRON MICROSCOPE SPECIMEN PREPARATION. COMMON METALS INCLUDE CARBON, GOLD, GOLD/PALLADIUM, AND PLATINUM.

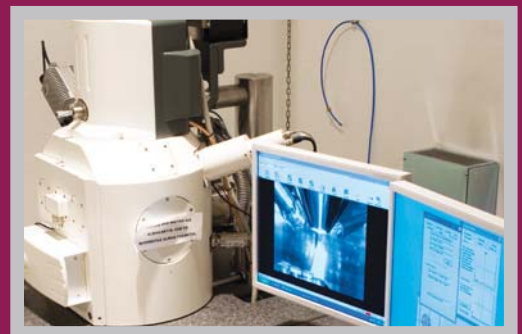
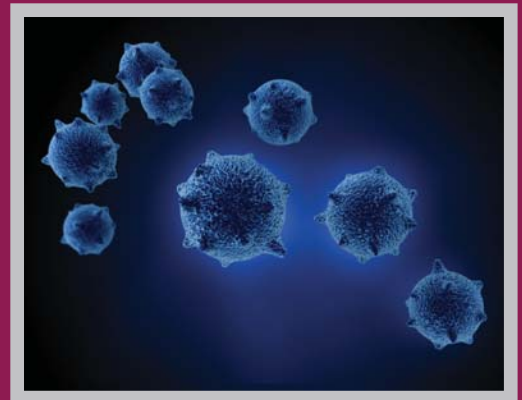
MULTIPLE PUMPING CONFIGURATIONS

A VARIETY OF PUMP CONFIGURATIONS ARE AVAILABLE TO FIT YOUR BUDGET AND PROCESS.

TYPICAL APPLICATIONS

EVAPORATION

- HIGH VACUUM CARBON COATING FOR TEM AND X-RAY ANALYSIS
- CARBON SUPPORT FILMS
- CARBON PLATINUM REPLICAS
- APERTURE CLEANING
- ROTARY SHADOWING
- ASBESTOS ANALYSIS
- RESISTANCE EVAPORATION
- FAILURE ANALYSIS
- HIGH PURITY ULTRA THIN FILMS



DV-502B

OPTIONS

	EVAPORATION
1KVA EVAPORATION WITH FILAMENT HOLDERS	X
2KVA EVAPORATION WITH FILAMENT HOLDERS	X
ROTATING 6" DIAMETER PLATE (NO TILT)	X
2", 4", OR 6" INVERTED ROTATING STAGE	X
AC GLOW WITH GAS	X
SIGMA SQM 160 DEPOSITION THICKNESS MONITOR	X
SIGMA SQC 310 DEPOSITION THICKNESS CONTROLLER	X
12" D X 18" H BELL JAR	X
CARBON ROD EVAPORATION ACCESSORY	X
CARBON YARN EVAPORATION ACCESSORY	X
LN ₂ TRAP WITH FUNNEL	X
BELL JAR LIFT	X
PUMP CONFIGURATION	
DIFFUSION	X
TURBO PUMPING SYSTEM	X
OIL FREE MECHANICAL	X

specifications subject to change without notice



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