

DESK V HP[®]

COLD SPUTTERING PLATFORM.

THE DESK V SERIES IS USED EXTENSIVELY FOR SAMPLE ELECTRON MICROSCOPE (SEM) AND TRANSMISSION ELECTRON MICROSCOPE (TEM) SAMPLE PREPARATION APPLICATIONS. THE DESK V SERIES INCLUDES STANDARD SYSTEMS, HIGH POWER SYSTEMS, AND TURBO PUMPING SYSTEMS.

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

- EVAPORATION
- ✓ SPUTTERING
- PECVD

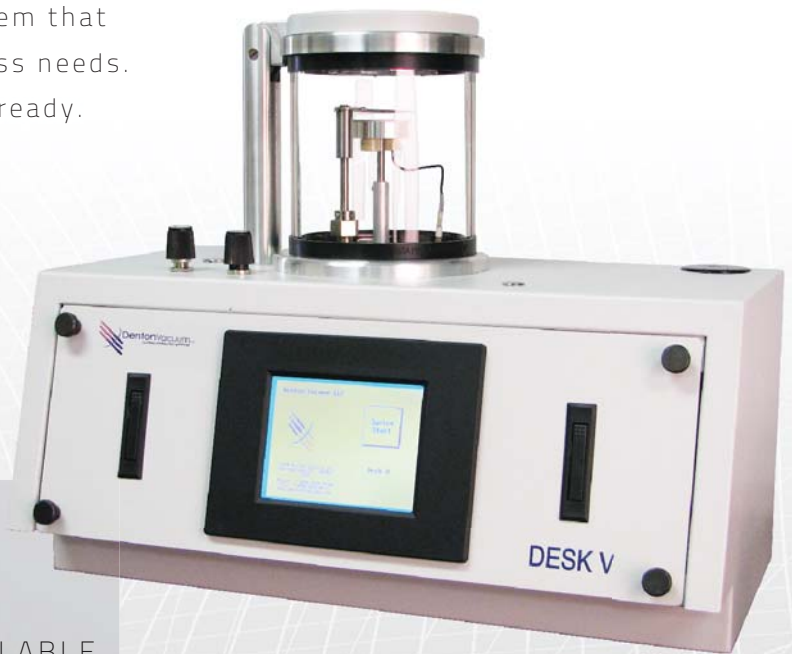
MADE IN THE U.S.A. SINCE 1964

DESK V HP

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

DESK V HP

FAST CYCLE TIMES

THE *PUMP DOWN-COATING-VENTING* CYCLE COMPLETES IN LESS THAN THREE MINUTES.

PROTECT SAMPLES

SPECIMENS ARE PROTECTED FROM DAMAGE BY DENTON'S PATENTED ANODE GRID WHICH COLLECTS STRAY ELECTRONS AND PREVENTS THEM FROM BOMBARDING THE SAMPLE.

REDUCE CONTAMINATION

A MANUAL SHUTTER REDUCES CONTAMINATION DURING THE ETCH PROCESS.

REMOVABLE SHUTTER

THE SHUTTER CAN BE REMOVED TO ACCOMMODATE LARGE SUBSTRATES

POWERFUL CONTROL SYSTEM

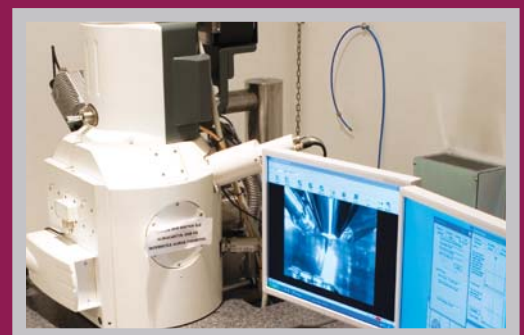
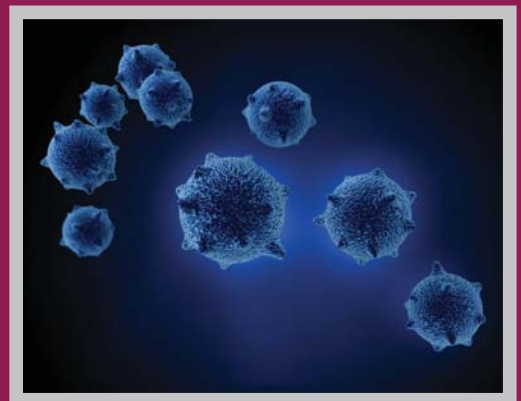
THE TOUCH SCREEN INTERFACE TO THE PLC PROVIDES FULL CONTROL FOR THE FOLLOWING MODES: MANUAL AND SEMI-AUTOMATIC. STANDARD SOFTWARE MAKES IT EASY TO SUPPORT AND AVOID COSTLY CUSTOMIZATION FEES.

SAFETY INTERLOCKS MITIGATE DAMAGE TO THE OPERATOR AND THE EQUIPMENT.

TYPICAL APPLICATIONS

SPUTTERING

- IRIIDIUM COATING CAPABILITIES
- TEM SAMPLE PREPARATION
- SEM SAMPLE PREPARATION
- FIELD EMISSION (FE) SEM SAMPLE PREPARATION



DESK V HP

	DESK V HP	DESK V TSC HP
STANDARD FEATURES		
6" OD X 6" PYREX CYLINDER	X	
6" OD X 6" STEEL CHAMBER		X
2" DIAMETER PEDESTAL	X	X
0-100MA POWER SUPPLY	X	X
PFEIFFER 70 L/S TURBO MOLECULAR PUMP		X
ULTIMATE PRESSURE < 5E ⁻⁶ AND < 10E ⁻⁶ IN 15 MINUTES		X
GOLD OR GOLD/PALLADIUM TARGET INCLUDED	X	X
ROTATING SUBSTRATE	X	X
REQUIRES GAS (AR RECOMMENDED)		X
FINER GRAIN FILMS		X
85 LPM MECHANICAL PUMP	X	X
OPTIONS		
FILM THICKNESS MONITOR	X	X
3" ROTATING TABLE	X	X
4" ROTATING TABLE (FILM THICKNESS MONITOR NOT AVAILABLE WITH THIS OPTION)	X	X
ROTATING AND TILTING SUBSTRATE (ETCH MODE NOT AVAILABLE WITH THIS OPTION)	X	X
CARBON EVAPORATION (RODS OR YARN)	X	X

specifications subject to change without notice



TOLL FREE:800-666-6004 • PHONE:856-439-9100
EMAIL: info@dentonvacuum.com
www.dentonvacuum.com

SUPPORT EMAIL: support@dentonvacuum.com
PARTS AND SUPPLIES: store.dentonvacuum.com