



PLANAR MAGNETRON SPUTTERING SYSTEMS Hummer® 6.6 Turbo Table-Top



New System Feature
The 6.6 Turbo Next Generation
will incorporate a Siemens S7
Industrial "Touch-Panel" PLC
Controller

System shown with Optional: Water Chiller and Dual Gas Flow Rate Meters

APPLICATIONS:
SEM, R&D, Material Research,
Renewable Energy, Quartzing and other
Thin Film Environment challenges

Anatech USA's Hummer® tools perform sputter coating, a cold process in which ions impacting a metal source dislodge metal atoms that disperse and uniformly coat irregularly-shaped specimens without thermal damage. Available with: RF, DC or RF and DC power supplies.

Anatech Hummer 6.6 T

Performs sputter coating, a cold process in which ions impacting a metal source dislodge metal atoms. The atoms disperse throughout the process chamber to uniformly coat irregularly shaped specimens without thermal damage. Sputter coating produces high quality coatings whose thickness is repeatable and easily controlled. Cold, fast sputter rates require less time, giving you more time for microscope examinations.

STANDARD BENEFITS / FEATURES

High sputter rate of metals and insulators with 300 watts of RF power at 13.56 MHz. and / or 500-watts of DC power.

Siemens S7-200 Industrial PLC control with "Touch-Panel" screen.

Operator safety is assured with interlocks for vacuum, cooling and power.

Stainless steel chamber with 4-inch view port

Planar Magnetron Sputter Source

Sample stage accommodates up to an 6-inch (150-mm) substrate or multiple smaller substrates.

Stage rotates 0-20 RPM and adjusts 2" vertically. A two-stage direct drive rotary pump assures rapid pump-down.

Easy access to sources and lift-off chamber simplifies target change and routine maintenance.

OPTIONS

RF Power addition / upgrade
RF Auto Matching Network upgrade
DC Power addition / upgrade
Planar Magnetron Source: size selection
Pneumatic Source Shutters
Multiple Sputter Sources
Mass Flow Control (MFC)
Oxygen Service Preparation
Water chillers
Heated Sample Stage

PLATING WITH A HUMMER®

Depending on the metal source installed, Hummers can deposit thin films of precious metals and insulators.

To use a different metal source target, simply pull out one, and push in another. The HUMMER top plate lifts off for easy target change and maintenance.

The stage accepts many sizes of substrates up to 150 mm (6-inch). The stage rotates under the sputter head to achieve uniformity over a 150-mm diameter substrate.

The cool, Omni directional shower of secondary ions and neutrals produces finer-grain deposits than thermal coating processes.

RUGGED, RELIABLE DESIGNS

Hummer systems are built to deliver many years of faithful service. Since that first system made in 1970, more than 5000 Hummers have been installed all over the world.

Vacuum connections are made and checked for leakage during manufacture, assuring vacuum integrity and allowing you to start working sooner because little assembly is required.

Safety interlocks protect both operator and equipment. Anatech USA backs Hummer products with excellent customer service and support. A full line of spare parts is available for product maintenance.

SPECIFICATIONS

Power requirements - 110-220 VAC, 50/60 Hz, 20 Amps

Power output - 0-300 watts RF generator, 13.56 MHz

Manual matching network

DC Output—0-500 watts

RF Power—0-300 watts, 13.56 Mhz.

Dimensions - 21" D x 21" W x 25" H (cabinet)

CALL ANATECH USA TODAY TO DISCUSS YOUR APPLICATION

1-800-390-4449

2947 WHIPPLE ROAD
UNION CITY, CA 94587
Tel: 510-401-5990
Fax: 510-401-5994