

VAKSiS

R&D AND ENGINEERING

PVD-handy[®] Twin



PVD-handy® Twin

PRODUCT INFORMATION

PVD-handy Twin series is a part of Vaksis PVD – handy platform. This series is really convenient for use and easily handled as the adjective "handy" described in the dictionary which involves the techniques and combinations below:

CONFIGURATION MATRIX

Techniques	Magnetron Sputtering (MS)	Thermal Evaporation (Th E)	Organic and Metal Evaporation (OLED/OPV)	Multi Tech.
PVD-handy Twin	✓	✓	✓	MS, Th E, e-Beam, OLED/OPV

TECHNICAL SPECIFICATIONS

Base Pressure $\approx 2 \times 10^{-7}$ Torr
Number of Chambers 2
Substrate Size 4" diameter
Substrate Heating max. 500°C
Substrate Rotation 3-30 rpm
Thickness Measurement In-situ measurement with Quartz X-tal Oscillator
Deposition Mode Upward
Loading From the swing open bell jar

POWER SOURCES

- DC and/or RF Power Supply for Sputtering Magnetron Source
- Effusion Cell A.C. Power for Metal and/or Organic Evaporation Sources
- High Current Low Voltage Power Supply for Resistive Thermal Evaporation Source
- Power Supply for Electron Beam Evaporation Source

SOFTWARE

System operation by user-friendly software. It is not only the automation and control software but also coating management software which allows the user design his/her specific coating experiments, examine the process parameters used in the past, and use the recipes/coatings developed in the past without hustle.

Human and machine safeties are prime importance in the operations performed by the software. A graphical user interface will allow the user to see the status of the system during operation.