

# VAKSiS

R&D AND ENGINEERING

## PVD-handy®



## PRODUCT INFORMATION

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Vaksis PVD – handy 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

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

## TECHNICAL SPECIFICATIONS

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Base Pressure .....  $\approx 2 \times 10^{-7}$  Torr  
Substrate Size ..... max. 4" diameter  
Substrate Heating ..... max. 500°C  
Substrate Rotation ..... 10 rpm  
Thickness Measurement ..... In-situ measurement with Quartz X-tal Oscillator  
Temperature Controlling System ..... PID method  
Loading ..... From the swing open bell jar

## POWER SOURCES

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

## SOFTWARE

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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.