PRODUCT INFORMATION

Vakis MIDAS COATING SYSTEMS platforms are composed of prismatic vacuum chambers and involve the techniques and combinations below:

CONFIGURATION MATRIX

<table>
<thead>
<tr>
<th>Techniques</th>
<th>Magnetron Sputtering (MS)</th>
<th>Thermal Evaporation (Th E)</th>
<th>Electron Beam (e-Beam)</th>
<th>Organic and Metal Evaporation (OLED/OPV)</th>
<th>Multi Tech.</th>
</tr>
</thead>
<tbody>
<tr>
<td>MIDAS</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>MS, Th E, e-Beam, OLED/OPV</td>
</tr>
</tbody>
</table>

TECHNICAL SPECIFICATIONS

Ultimate Vacuum Pressure .......................................................................................... ≤ 5x10⁻⁶ Torr
Substrate Size ........................................................................................................ 4”- 8” diameter
Substrate Heating ...................................................................................................... max. 800°C
Substrate Rotation ..................................................................................................... 3-30 rpm
Cooling ....................................................................................................................... Where necessary
Deposition Mode ......................................................................................................... Upward
Load Lock Chamber ..................................................................................................... Optional
Control ....................................................................................................................... Fully Automatic

POWER SOURCES

- 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
- 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 to design his/her specific coating experiments, examine the process parameters used in the past, and use the recipes/coatings developed in the past without hassle. Human and machine safety 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.