PRODUCT INFORMATION

Vakis MICKS platform is composed of prismatic vacuum chambers and involve the magnetron sputtering technique on glass panes or large wafers. It is mostly used for low-e coatings, anti-reflection coatings, electrochromic coatings, transparent conductive oxide coatings, nitride resistors, high conductivity coatings, etc.

TECHNICAL SPECIFICATIONS

Ultimate Vacuum Pressure .......................................................... \( \leq 5 \times 10^{-8} \) Torr
Substrate Size ............................................................................. up to 30 x 30 cm
Substrate Heating ................................................................. max. 400°C
Cooling ...................................................................................... Where necessary
Deposition Mode ....................................................................... Upward/Downward
Number of Sources ........................................................... Up to 10
Loading ................................................................................ Using Load Lock Chamber
Control .................................................................................. Fully Automatic

POWER SOURCES

- DC and/or RF Power Supply for Sputtering Magnetron 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 safety is 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.