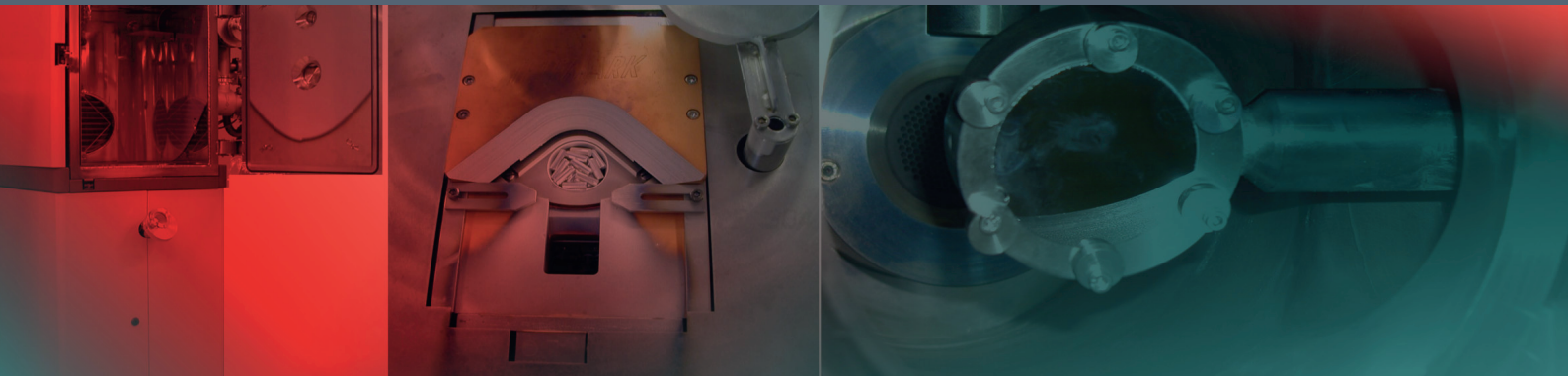


Vacuum ► PVD Thin films ► Leak testing ► Plasma



# Thin layer coating by evaporation

**EVA 450**



## Simple and highly flexible the EVA450 guarantees success in your new developments.

Located halfway between **development and production** tool, this vacuum evaporator has been developed so as to offer multiple configurations. For instance :

- Mono or multi pockets sources
- Electron beam source
- Thermal source (Joule, effusion)
- Etc.

Thanks to its dimensions, several sources can be combined. Concerning substrate holder we offer either domes (simple or planetary motion) or functional single wafer. The thickness measurement is achieved using quartz crystal balance, remotely interfaced to the PLC sequences controller. This software allows to realize complex multilayers in automatic mode.



### Main features

<b>Vacuum chamber diameter :</b>	450 mm
<b>Height :</b>	600 mm
<b>Volume :</b>	120 litres
<b>Ultimate vacuum (turbomolecular configuration) :</b>	$5.10^{-7}$ mbar <sup>[1]</sup>
<b>Ultimate vacuum (cryogenic configuration) :</b>	$5.10^{-8}$ mbar <sup>[1]</sup>
<b>System throughput :</b>	20 x dia. 100 mm
<b>Planar uniformity :</b>	< +/- 5% <sup>[1]</sup>
<b>Through the wall installation :</b>	Yes
<b>Load lock :</b>	Yes
<b>Fully automatic system controller :</b>	- Process management - Traceability

<sup>[1]</sup> These values have been measured on equipment we have delivered and should be handled as information only. The features of a system depend on its final configuration.



ALLIANCE CONCEPT  
 4 avenue du Pont de Tasset 74960 CRAN GEVRIER FRANCE  
 lat : 45.9109512 - long : 6.0984011  
 tel. : +33 (0)4 50 57 93 85 fax : +33 (0)4 50 57 93 74  
<http://www.alliance-concept.com>  
[contact@alliance-concept.com](mailto:contact@alliance-concept.com)

**LRQA**  
 CERTIFIED  
 ISO 9001