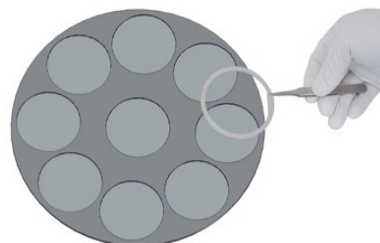


## Substrate Holders / Platens

- Easy setting
- Uniform temperature distribution
- Top quality materials – contamination free
- Oxygen-resistant version available
- Broad range of multi-wafer platens



### Product introduction

Riber provides a broad range of substrate holders from the use of small pieces of wafer to multi-wafer mounting with and without indium or gallium bounding.

Multi-wafer holders are designed to allow for the positioning of wafers very easily and in the shortest possible time; they are dedicated to vertical growth chamber geometries, on which wafers are held by gravity.

By design, wafer holders allow for

RHEED investigations without shadows cast by the wafer fixing system.

Substrate holders are mainly made of molybdenum ensuring high purity and top quality for operations at above 150°C. Other materials, such as graphite or steel, can be used upon request. No particles are generated during transfer operations. For standard applications, wafers may be mounted in two ways: on a blank platen, using indium bonding material, or on a holder with holes

adapted to the wafer size, for indium-free mounts.

To achieve excellent temperature uniformities, Riber recommends the use of high uniformity rings placed on top of the wafer to optimize heat distribution from the substrate oven. Even for high temperature processes, temperatures superior to 800°C, multi-wafer holders have excellent dislocation-free and stress-free thermal behavior.

### Layout



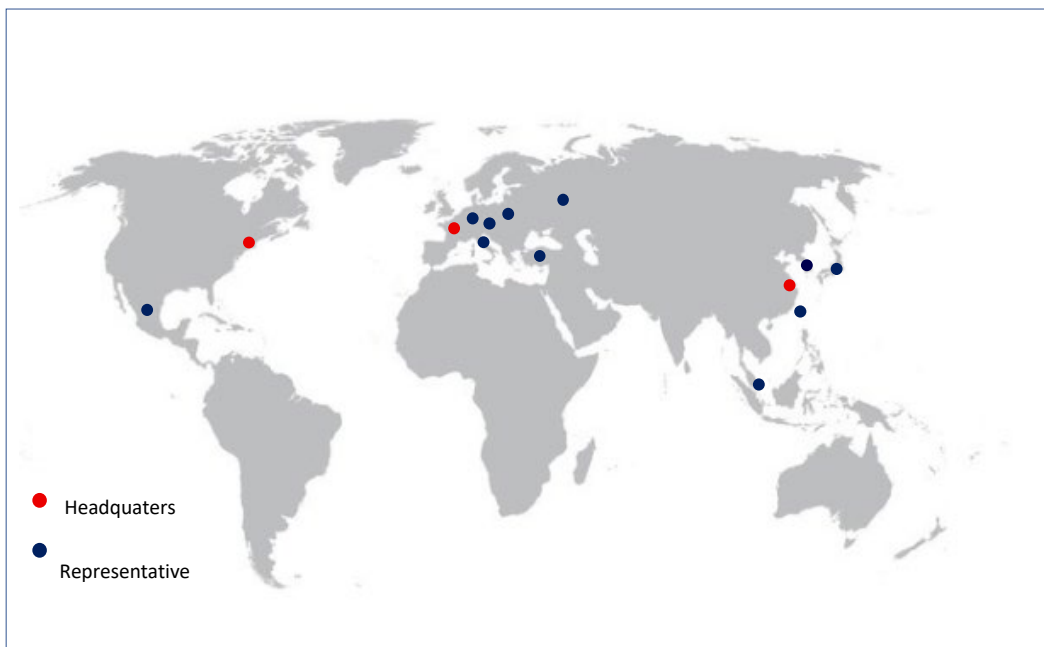
### Specifications

Characteristics	Compact 21 CLS	Compact 21 Series	MBE 412	MBE49		MBE6000
Platen diameter (mm)	77,3	100	126,2	242	270 (squared « corners »)	400
Platen capacity	Blank 1x 2" 1x ¼ 3" 1x ¼ 2"	Blank 1x 3" 1x 2" 1x ¼ 3" 1x ¼ 2"	Blank 1x 4" 1x 3" 3x 2" 1x 2" 1x ¼ 3" 1x ¼ 2"	1x 8" 1x 6" 3x 4" 5x 3" 5x 3" + 1x 2" 3x 3" 1x 3" 8x 2" 1x 2"	1x 6" 4x 4" 3x 4" 1x 4" 5x 3" 5x 3" + 1x 2" 4x 3" 14x 2" 13x 2" 11x 2" 8x 2"	1x 8" 4x 6" 9x 4" 15x 3" 32x 2"
Standard thickness (mm)	3					4
Typical platen material	Mo					

For special configurations (platen holder materials, number of wafers, square wafers, thicknesses,...), please consult Riber

## RIBER SALES AND SERVICE NETWORK

For more information, please contact your local sales representative



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