

Wafer Cassette

Palbam Class Cleanroom Wafer Cassettes



Unique Stainless Steel Solutions

The dramatic increase in the level and complexity of cleanliness and automation requirements in Semiconductor Fabs, requires wafer cassettes that offer a reduction in particle generation and improved mechanical interface capabilities with automated material-handling systems (AMHS's) and process tools.

Palbam Class Stainless Steel cassettes have the following properties:

- Non contaminating
- Non deforming
- Highly accurate dimensions - robotic suitability
- Withstands baking processes up to 400°C
- Designed and manufactured to 'Semi' standards
- "H" Bar where stated
- Fully conductive
- Cassette design allows uniform heat distribution over the wafer surface

Stainless steel has excellent stable molecular properties. High surface quality -20RA- is much superior to any petro-chemical material - no out gassing. Stainless steel is much softer than silicon -in the category of Rockwell B.

The fact that the weight and shape are similar to plastic cassettes prevents the need to make special alignments to equipment.

Palbam Class has provided customized cassettes according to customer requirements. Our engineers and craftsmen have been able to supply a variety of slot widths, spacing, handles and even length of the cassette.