





WAFER CASSETTE

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 cassettes are fabricated from stainless steel 316



4" & 5" WAFER CASSETTE



4 inch stainless steel wafer cassette for bake oven. Includes H Bar and slide on cover to prevent wafer exit. 25 slots. Withstand bake temperatures up to 400°C.

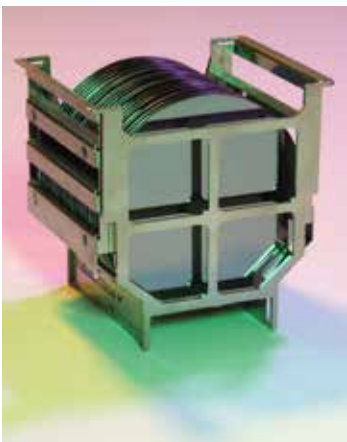


5 inch stainless steel wafer cassette for bake oven. 50 slots. Withstand bake temperatures up to 400°C.

Product	LxWxH (mm)	LxWxH (")	Cat. No.
4" Wafer Cassette	132.5x143x115		PCPC0101

Product	LxWxH (mm)	LxWxH (")	Cat. No.
5" Wafer Cassette	135.5x269x155		PCPC0121

6"-150mm WAFER CASSETTE



The Palbam Class™, innovative Stainless Steel wafer cassette is designed to replace standard plastic cassettes, in the semiconductor manufacturing process. The cassette has been designed to SEMI standard. 6 inch wafer bake cassettes with H Bar & either 25 or 12 slots.

Properties:

- non-contaminating.
- non-deforming.
- fully conductive.
- withstands temperatures up to 400°C.
- with "H" bar.
- dimensions are highly accurate.
- weighs 800 gr.
- designed for both manual and robotic handling.
- fits into standard boxes.
- Fabrication material: 316 stainless steel.
- Handle - optional.

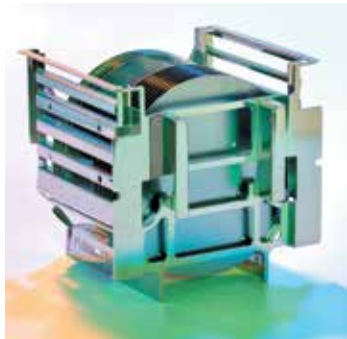
Product	LxWxH (mm)	LxWxH (")	Cat. No.
6" Wafer Cassette - 25 slots	178x144x171		PCPC0154
6" Wafer Cassette - 12 slots			PCPC0155

8"-200mm WAFER BAKE CASSETTES - With H Bar



PCPC0210
 8 Inch round wafers
 H bar
 25 wafer slots
 Robotic or push transfer loading

Product	LxWxH (mm)	LxWxH (")	Cat. No.
8" Wafer Cassette	210x217x220		PCPC0210



PCPC0207
 8 Inch round wafers
 H bar
 25 wafer slots
 Additional handles
 Modeled on specific plastic cassette
 Robotic or push transfer loading

Product	LxWxH (mm)	LxWxH (")	Cat. No.
8" Wafer Cassette	233.5x222x220		PCPC0207



PCPC0205
 8 Inch round wafers
 H bar
 12 wafer slots
 Robotic or push transfer loading

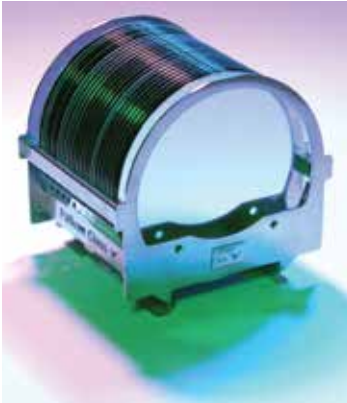
Product	LxWxH (mm)	LxWxH (")	Cat. No.
8" Wafer Cassette	233.5x203x220		PCPC0205



PCPC0214
 8 inch round wafers
 H Bar
 13 slots
 Robotic or push transfer loading

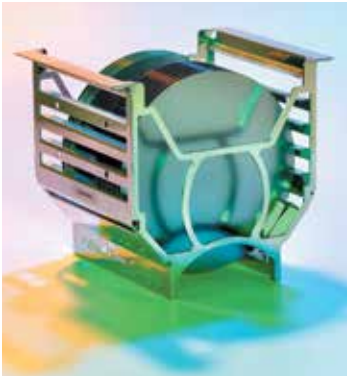
Product	LxWxH (mm)	LxWxH (")	Cat. No.
8" Wafer Cassette	233.5x220x220		PCPC0214

8" - 200mm BAKE CASSETTES - Without H Bar



8 inch round wafers
Without H Bar
25 wafer slots

Product	LxWxH (mm)	LxWxH (")	Cat. No.
8" Wafer Bake Cassette	226x189x1900		PCPC0203



8 inch round wafers
Without H Bar
25 wafer slots
Robotic or push transfer loading

Product	LxWxH (mm)	LxWxH (")	Cat. No.
8" Wafer Bake Cassette	255x202.4x218		PCPC0208

**We offer custom designs
to fit your dimensions**

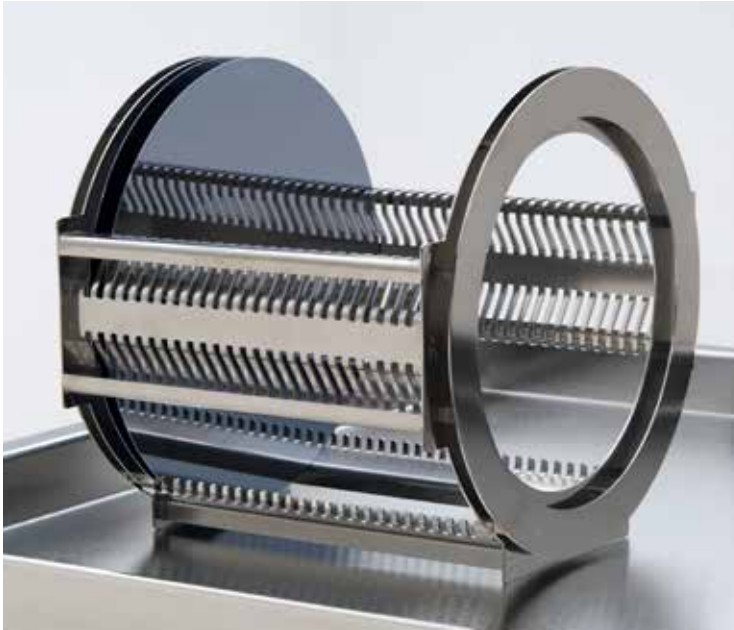
HANDLE 6" AND 8"



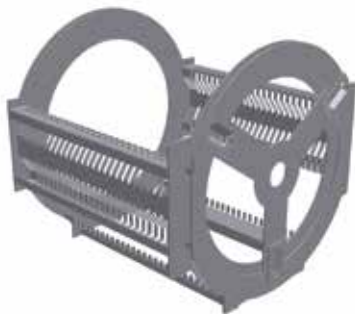
Handle for 6" and 8" cassettes

Product	LxWxH (mm)	LxWxH (")	Cat. No.
Handle for 6 inch cassettes			HANDLE-6
Handle for 8 inch cassettes			HANDLE-8

12"- 300mm WAFER BAKE CASSETTES



12 inch stainless steel wafer cassette for bake oven.
 25 slots.
 Withstand bake temperatures up to 450°C.
 Lightweight design - weighs only 3.4 kg.



Features & Benefits

Stainless steel construction allows cassette to withstand bake temperatures up to 450°C.
 Open design allows even heat distribution of wafer surface.
 Unique design keeps weight down to 3.4kg.
 Dedicated kinematic adapter allows cassette to be placed on a stage conforming to SEMI Std.
 Fully conductive
 Non outgassing.

SEMI Standard E-57 compatible.

Product	LxWxH (mm)	LxWxH (")	Cat. No.
12" Wafer Cassette - 25 slots	324x293x305		PCPC0301

Product	LxWxH (mm)	LxWxH (")	Cat. No.
12" Wafer Cassette - 25 slots with kinematic couplings	324X307X305		PCPC0305
12" Wafer Cassette - 25 slots with kinematic couplings and handles	324X307X305		PCPC0306