# **Protos Spacer**

### Conductive/antistatic spacer for safe protection by cleanliness and special processing techniques

### Antistatic film spacer

- Stable antistatic performance
- Low particle level
- Low ion contamination
- No difference between both sides

### Conductive film spacer CPS--250(Z1)

- Excellent conductive performance
- Low particle level Low ion contamination
- ► No difference between both sides



### Spacer ring T-WSR200W(for 8inch)

- ▶ Wafer transfer with no-contact on the surface
- available Low particle level Low ion contamination



# **Protos Cushion**

### Antistatic cushion excellent on shock-absorbing characteristics

### Antistatic multilayered cushion

### MA- PEAS-1/3/5/6/10

- Stable antistatic performance ► High level of cleanliness (independent
- foaming/surface film lamination) Low ion contamination

アキレス株式会社

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工業資材販売部

Kansai Branch Office

Kyushu Sales Office

**Head Office** 



# MA- PESD-1/3/5/10

Low particle level Low ion contamination

# Wafer Inner Tray

For compound wafers (4 and 6 inches) Conductive inner tray ► High level of cleanliness





### http://www.achilles-esd.com https://www.achilles.jp

ACHILLES USA, INC.(HEADQUARTERS) 1407, 80th Street, S.W., Everett, Washington 98 TEL 1-425-353-7000 FAX 1-425-347-5785

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# Wafer Package System



Conductive single layer cushion

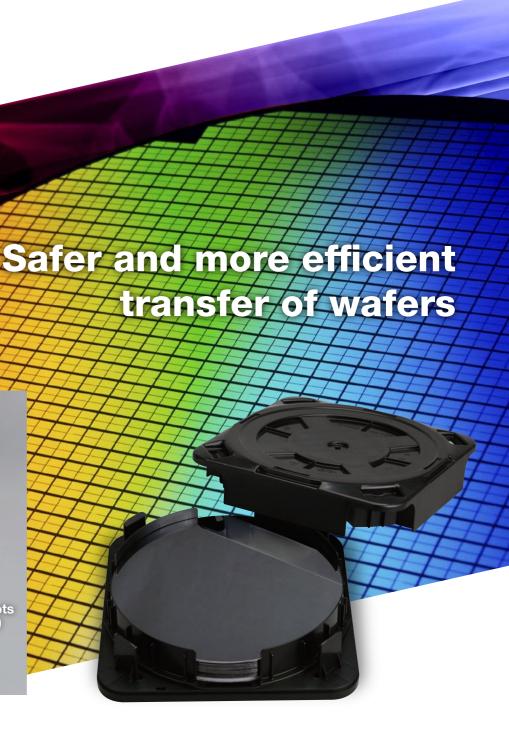
Excellent conduction performance

## VFS-4-6R-65/VFS-6-8R-65

**Inner Tray** 



Materials & Products



# PROTECT from shock and static electricity





Antistatic



Cleanliness

Achilles' Wafer Package System, developed making good use of Achilles' plastics processing technologies (injection forming, film processing, urethane processing and conductive processing), can transfer/transport your wafers both safely and efficiently. Based on our proven technology nurtured by years of experience, this wafer package system can transfer such highly fragile wafers as thin wafers for TSV chips and compound wafers.

# **Horizontal Wafer Shipper**

## Protos Carrier NA·MA series

## MA-4/5/6S/8S/12,

NA-8M/NA-300LA(Compression tabs Type)

- Package of up to 25 wafers.
- Stable antistatic measures, low particle level, low ion contamination, excellent shock-absorbing characteristics.
- NA Series uses snap-fitting.
- Our Compression tabs structure can hold wafers during transportation(NA-300LA).
- Automated machines (robots) applicable.
- By using ring spacers, NA-8M can perform non-contact transfer of wafers.
- By using inner trays, this system can transfer compound wafers.
- Single-piece carriers best for transferring test production 12-inch wafers available.











**Protos Carrier** 



	T OF MICHIOLY	T OF LOGIC	Glass	Compound Wafer
MA Series	•	•		•
NA Series	•	•	•	•
MA-	•		٠	
MA- PESD		•		•
PEA-	•			
CPS-	•	•		•
T-WSR			•	
VFS-				•
	NA Series MA-□PEAS MA-□PESD PEA-□ CPS-□ T-WSR	MA Series •   NA Series •   MA-CIPEAS •   MA-CIPESD •   PEA-I •   CPS-I •   T-WSR •	MA Series •   NA Series •   MA-CIPEAS •   MA-CIPESD •   PEA-I •   CPS-I •   T-WSR •	MA Series •

- 6-, 8- and 12-inch wafers available.





		For Memory	For Logic	For Image Sensor, Glass	For Compound Wafer
HWS	ND Series	•	•	•	•
	NDM Series	•	•	•	•
Cushion	MA-	•		•	
	MA- PESD		•		•
Spacer	PEA-D	•			
	CPS-□		•	•	•
UWS	FV-8S			•	







absorption





**Protos Carrier**