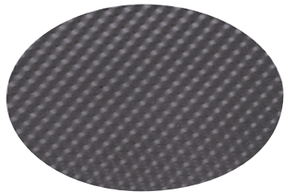
Protos Spacer

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

Antistatic film spacer

PEA-□-350(Z1)

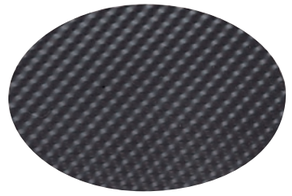
- Stable antistatic performance
- Low particle level
- Low ion contamination
- No difference between both sides



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

Conductive single layer cushion

MA-□PESD-1/3/5/10

- Excellent conduction performance
- Low particle level
- Low ion contamination

Inner Tray

Wafer Inner Tray

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

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

ISO9001 登録範囲:
工業資材販売部
工業資材工場
ISO14001 登録範囲:
足利第二工場

ISO9001,ISO14001
JUSE-RA-2089
JUSE-EG-661

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

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■Specifications in this catalogue are subject to change anytime without prior notice.

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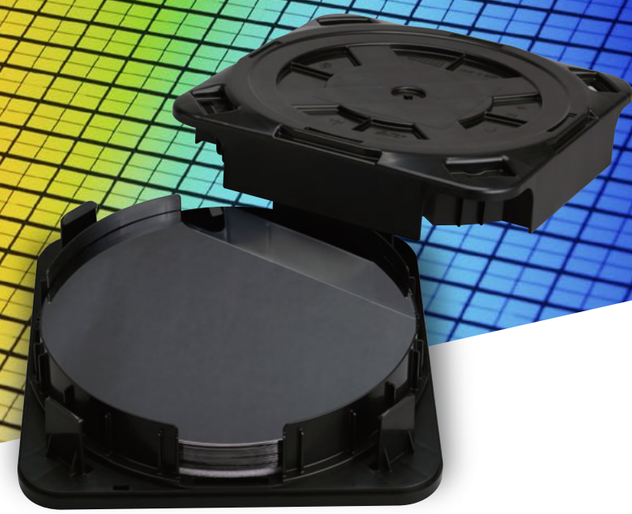
あなたの身近にいつも…アキレス
Achilles
Materials & Products

Wafer Package System

Safer and more efficient transfer of wafers

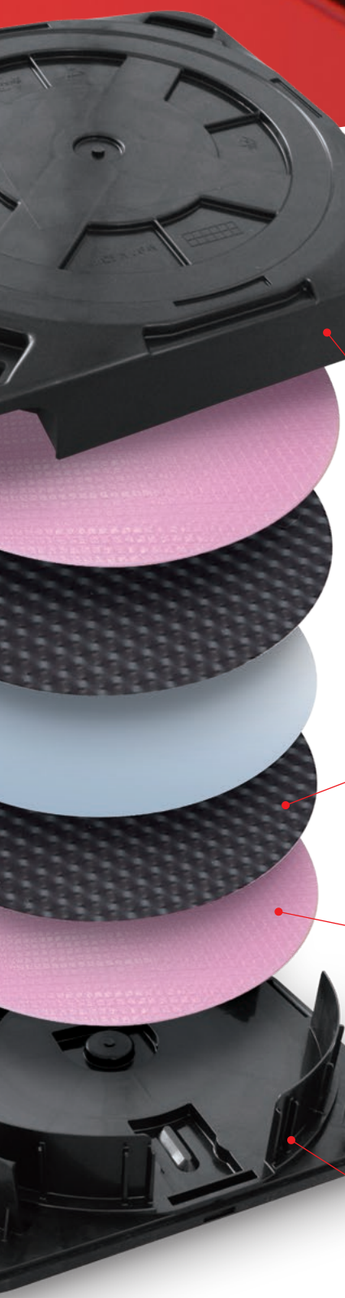
- Conductivity
- Antistatic
- Cleanliness
- Impact absorption
- Can be handled by robots (Automation applicable)
- Eco-friendly design (Reuse applicable)



PROTECT
from shock and static electricity

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.

Conductivity · Antistatic · Cleanliness · Impact absorption · Can be handled by robots · Eco-friendly design



Horizontal Wafer Shipper

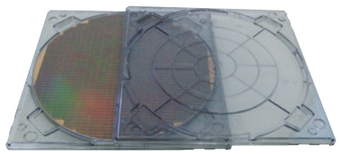
Protos Carrier NA·MA series

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.

NA-8M

NA-300LA


SS-12ST

Recommended combination

		For Memory	For Logic	For Image Sensor, Glass	For Compound Wafer
HWS	MA Series	●	●		●
	NA Series	●	●	●	●
Cushion	MA-☐PEAS	●		●	
	MA-☐PESD		●		●
Spacer	PEA-☐	●			
	CPS-☐	●	●		●
	T-WSR			●	
Inner tray	VFS-☐				●

Frame Shipper

Protos Carrier ND·NDM series

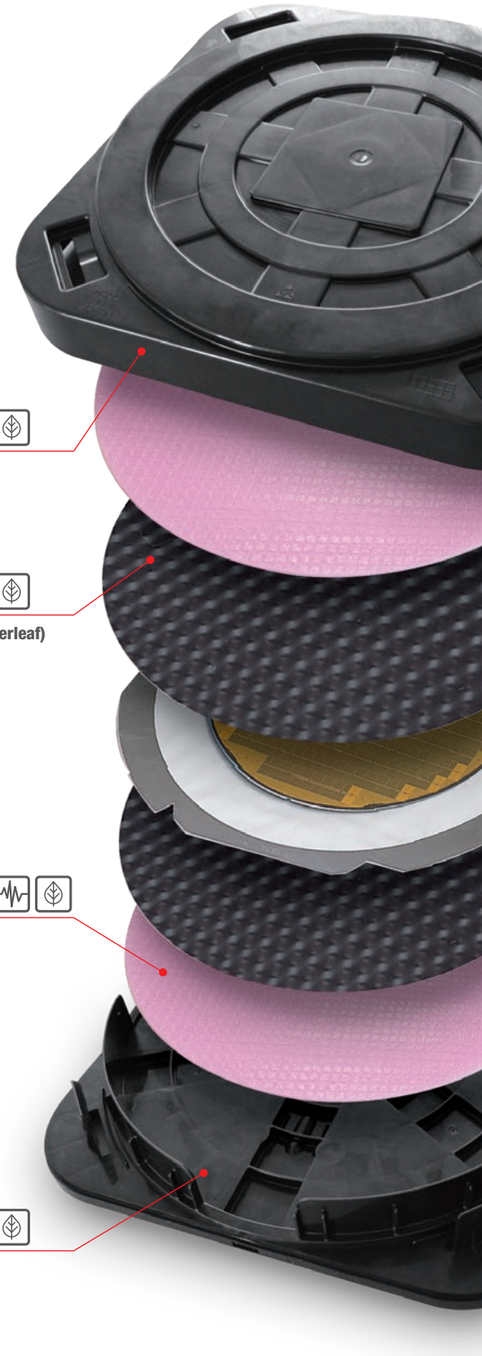
ND-6N/8/12, NDM-12

- Package of up to 13 wafers.
- Can store dicing wafers together with frames attached to the wafers.
- Stable antistatic measures, low particle level, low ion contamination, excellent shock-absorbing characteristics.
- Compact design to reduce transportation costs.
- NDM Series uses snap-fitting.
- Automated machines (robots) applicable.
- Single-piece carriers best for transferring test production 6-, 8- and 12-inch wafers available.

ND-8

NDM-12

FV-8S

Recommended combination

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