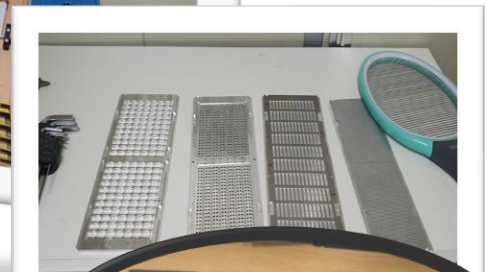
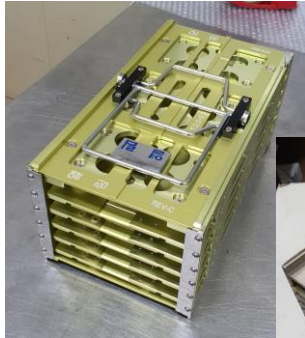
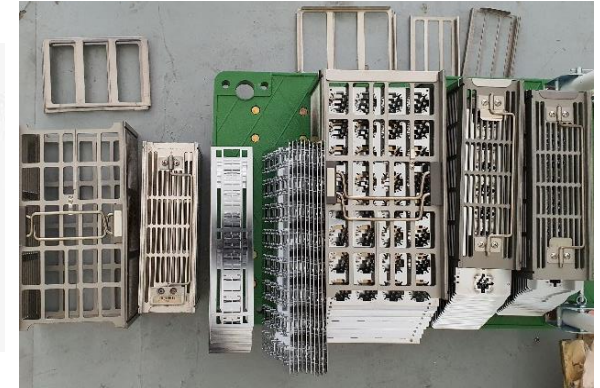


Substrate Carrier / Cover  
Slot Magazine & Stack Magazine  
Cassette Magazine / PCB Magazine  
Boat & Pallet  
Other Miscellaneous Consumables

# Semiconductor Consumables



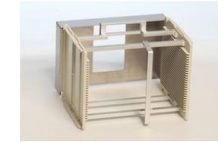
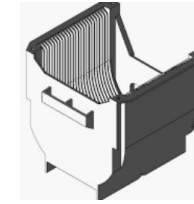
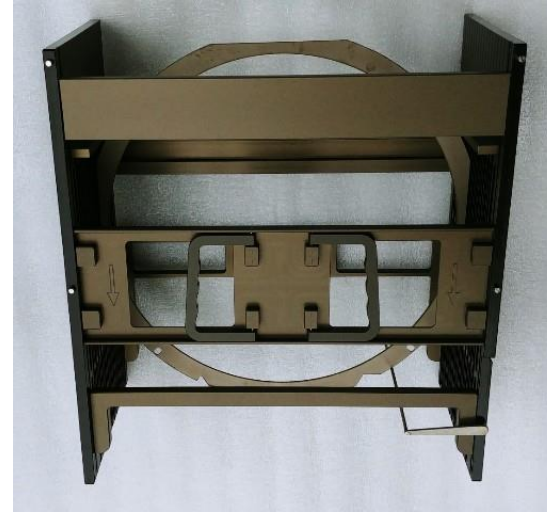
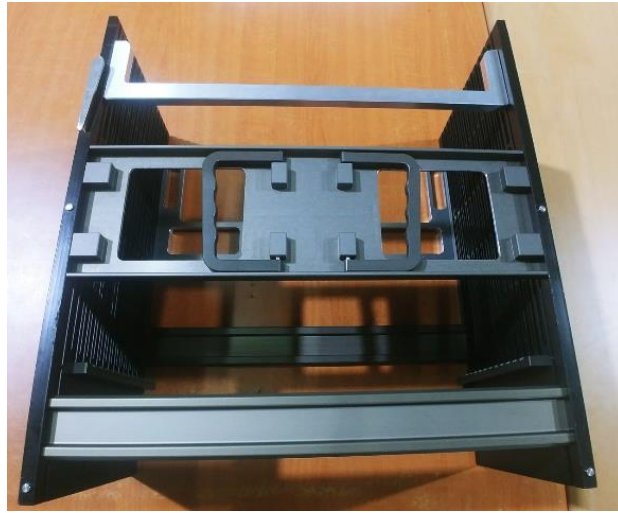
# MAGAZINE



PCB Magazine  
 Solid / Slotted / Assembled Magazine  
 Lead Frame Magazine  
 Stack E.O.L. Magazine  
 Boat & Pallet Magazine

Applications	
PCB Carrier / Lead Frame Loading: Wire Bond / Die Attach / Molding / Plating / Marking / Trim & Form	
Surface Finishes	Options
Anodize / Non-conductive / Color Hard Anodize / Non-conductive / Color Electroless Nickel Plating / Conductive	Length/Width, Stopper, Cover, Handle, Label, Barcode, Laser Marking Customizing Machining & Engraving

# CASSETTE



Ring Frame Cassette  
 Wafer Frame Cassette  
 Particle-free Cassette  
 Custom Cassette

Applications	
Wafer Dicing / Wafer-Die Sort / Wafer Pick Place / Wafer Back Grinding	
Surface Finishes	Options
Hard Anodize / Non-conductive / Color Anodize / Non-conductive / Color Electroless Nickel Plating / Conductive	Length/Ring Acceptance, Stopper, Cover, Handle, Label, Barcode, Laser Marking, Customing Machining & Engraving

# CARRIER



Wafer carrier



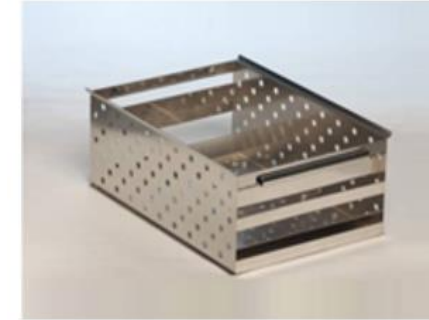
FOUP



MGZ carrier



SOLAR Cassette



- Magazine Carrier
- Custom Carrier
- Wafer Carrier
- FOUP
- Solar Cassette

Applications	
To carrier Magazine, Handling Magazine Lot	
Surface Finishes	Options
Stainless Steel	Carrier Dimension, Cover, Handle, Label, Barcode, Laser Marking, Customizing Machining & Engraving

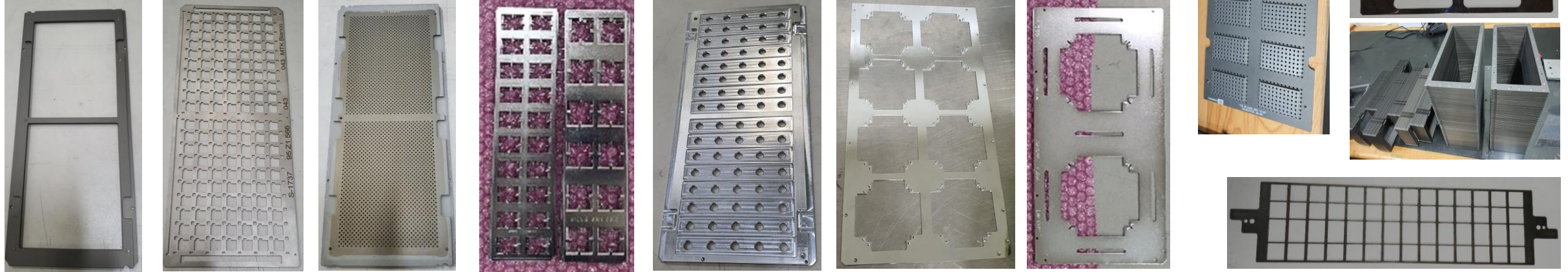
# STORAGE BOX



## Storage Box

Applications	
It is a product produced by precision injection method by adopting design and functional engineering material suitable for characteristics of semiconductor manufacturing process.	
Surface Finishes	Options
Used in manual or automated processes such as cleaning, loading, storage, transfer of wafers during semiconductor manufacturing process.	Plastic / Color

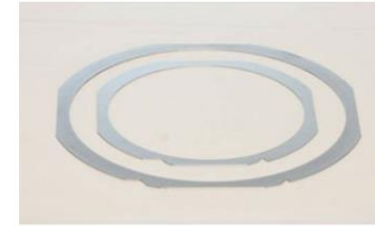
# BOAT & PALLET



- Matrix Pin Boat
- Single type Pin Boat
- Two Window Jig Boat
- Magnetic Bottom Jig
- Hi-temperature Magnetic Boat

Applications	
Flip-Chip Process Handling: Bumping/ Molding/ Marking, Non-Lead frame Process Handling	
Surface Finishes	Options
Chrome/ Nickel Plating Heat Treatment	Length / Width / Thickness, Cavity, Pins, Barcode, Laser Marking, Customizing Machining & Engraving

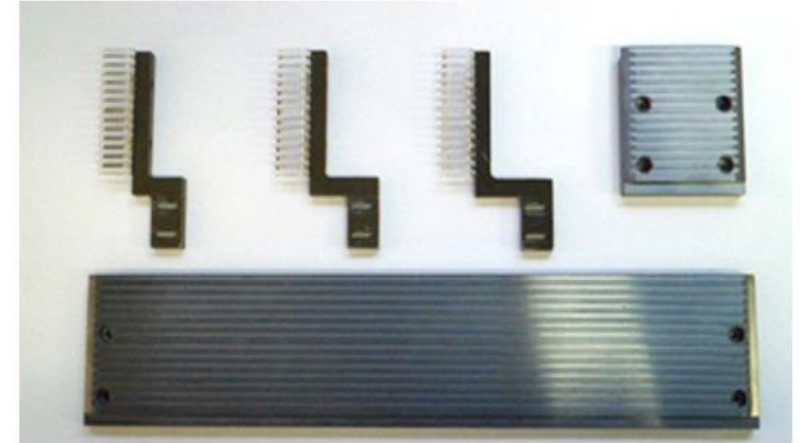
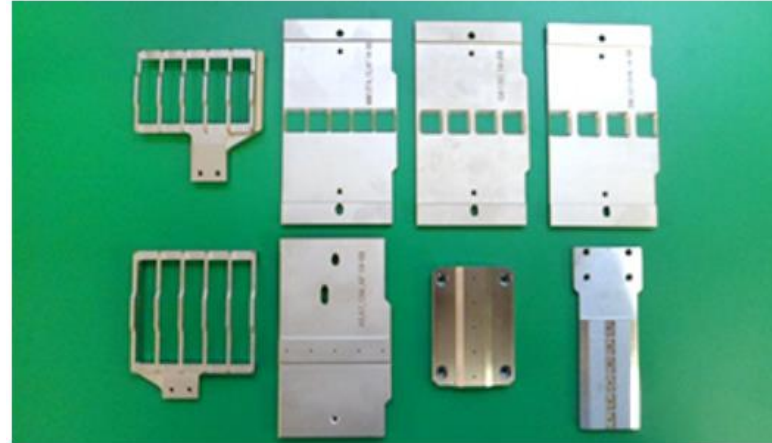
# WAFER RING FRAME



Wafer Frame Ring  
 Square Ring Frame  
 Grip Ring  
 Expander Ring  
 Locking Frame Ring  
 Ring Coupler & De-coupler

Applications	
Wafer Back Grinding / Wafer Dicing / Wafer-Die Sort / Wafer-Die Pick & Place	
Surface Finishes	Options
Stainless Steel	6", 8", 12" and Customized Barcode, Laser Marking, Customizing Machining.

# CLIP BONDING TOOLS



Wire Bonder Tool  
Die Bonder Tool  
Heater Block  
Window Clamp

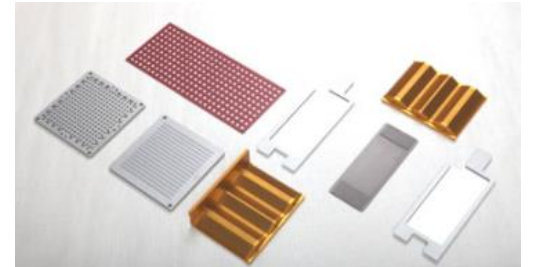
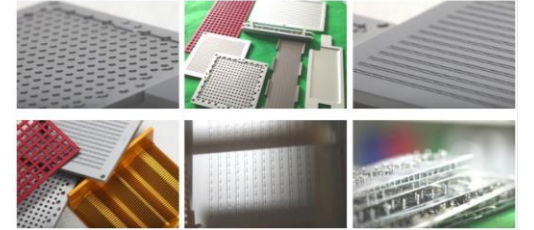
Applications	
Semiconductor / LED / Camera Module Bonding Process	
Surface Finishes	Options
SKD/Aluminum/ Stainless Steel Polish & Grind /Anodizing /Polish, Grind, Buffing Nickel Plating, Black Chromium Plating,..	Label, Barcode, Laser Marking, Customizing Machining & Engraving



# Customizing & Clean Solution

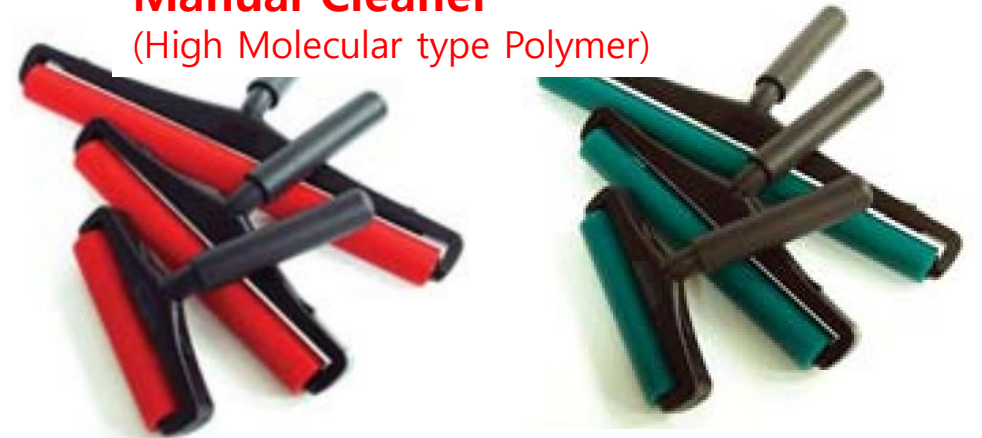


Stick Mat



Cyclone Suction Entry Dirt Control  
(indoor environment management)

Manual Cleaner  
(High Molecular type Polymer)



# FACILITIES



CNC, MCT  
Height Gauge  
Flat Work Stone Plate  
Laser Marking Machine  
Assembly Work Shop  
Design Center  
Wirecutting, Plating, Sanding, Polishing

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# Matrix Semiconductor

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Email : [siva@matrixsem.co](mailto:siva@matrixsem.co) / [hazman@matrixsem.co](mailto:hazman@matrixsem.co)

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Phone: +82 10-6303-9620

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- LAB EQUIPMENT AND PARTS
- RESEARCH AND DEVELOPMENT TOOLS
- FACILITY MAINTENANCE AND SERVICES
- WET BENCH, SPIN COATER & LITHOGRAPHY EQUIPMENT
- REFURBISHED TOOLS AND PARTS
- QUARTS & THERMOCOUPLES
- RAW MATERIAL FOR R&D AND PRODUCTION

