

DesiCart™ Low Humidity Transport Carts



- Low-humidity, contamination-free environment protects sensitive materials during process transfer
- Automatic RB® Valve and optional Quick-Connect fitting facilitate dry gas purging
- Cushioned casters ensure smooth rolling over uneven surfaces
- Select acrylic or static-dissipative PVC enclosure
- Dozens of standard configurations for wafer boxes, flat panel displays, chemicals, pharmaceuticals, and other sensitive materials

These mobile storage carts transport components from one location to another while maintaining critical low-humidity and low-particle conditions.

A Controlled Environment Wherever It Goes!

The DesiCart™ is available in two versions. Each houses a hermetically sealed desiccator storage chamber, which maintains clean, dry storage conditions during parts transport. Desiccators feature opposing access doors for pass-through convenience, and every door is equipped with a LiftLatch.

Quick connect/disconnect fittings (optional) enable you to purge the system with nitrogen while it is stationary. Reinforced door construction and gasketing provide air-tight seals that maintain a clean, dry storage environment while the DesiCart is in motion. The Automatic Relief/Bleed Valve (standard feature) relieves overpressures.

High-Density Polyethylene DesiCarts™ provide excellent chemical resistance and include an integral one-piece handle. Wrap-up rails make for safe transport of materials carried on top of the cart, and corners are rounded for easy cleaning. Each of these carts features four chambers and includes chrome-plated racks.

304 Stainless Steel DesiCarts™ feature a solid stainless steel top and a two-chamber desiccator. Chrome-plated wire racks mounted inside the desiccator allow easy adjustment of optional stainless steel shelving.

All models feature 5"-diameter polyurethane swivel casters for smooth quiet operation and Class 100 cleanroom-compatibility. Other stem casters are available.

Static-Dissipative PVC: ESD and Particle Control

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Company Reg No. 191 02 63 VAT Reg No. 429 0172 65

Solutions for Controlled Environments, Particles, Humidity, Isolation, Static.



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The DesiCart is available in either acrylic or Static-Dissipative PVC, which features surface resistance of between 106 and 108 ohms/square. This durable material safely dissipates static charges that can damage sensitive parts and also eliminates static attraction of contaminants. It also resists a wide range of chemicals.

	Cat. #
Quick Connect/Disconnect Fitting (installed)	1601-06

Note: Models below feature chrome-plated racks and opposing doors for pass-through access. The centre panel includes slots to promote free circulation of purge gas.

Polyethylene Frame: Dimensions			Ordering Information	
Overall	Shelving	Doors (8)	with Acrylic Desiccator	<input checked="" type="checkbox"/> with Static-Dissipative PVC Desiccator
H" x W" x L"	W" x D"	H" X W"	Cat. #	Cat. #
33.25 x 27 x 39.5	15 x 22	9 x 15	4002-50B	4002-51B

Corresponding Shelves for Polyethylene Frame:					
Dimensions			Acrylic*	Stainless Steel	
Overall	Shelving	Doors (8)			
H" x W" x L"	W" x D"	H" X W"	Cat. #		Cat. #
33.25 x 27 x 39.5	15 x 22	9 x 15	4002-52	Shield	4002-53
				Tray	4002-54
				Shelf	4002-55

*Acrylic is damaged by alcohol and other cleaning agents.

Stainless Steel Frame: Dimensions			Ordering Information	
Overall	Shelving	Doors (8)	with Acrylic Desiccator	<input checked="" type="checkbox"/> with Static-Dissipative PVC Desiccator
H" x W" x L"	W" x D"	H" X W"	Cat. #	Cat. #
38 x 24 x 36	13.75 x 20	20.5 x 15.75	4001-90B	4001-91B

Corresponding Shelves for Stainless Steel Frame					
Dimensions			Acrylic*	Stainless Steel	
Overall	Shelving	Doors (8)			
H" x W" x L"	W" x D"	H" X W"	Cat. #		Cat. #
38 x 24 x 36	13.75 x 20	20.5 x 15.75	4001-92	Shield	4001-96
				Tray	4001-97
				Shelf	4001-95

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DesiCart™ Mobile Work Station
Ideal for kitting small parts!

- Controlled low-humidity, low-particle system protects sensitive parts during transit
- 304 Stainless steel work surface and external shelf racks provide a convenient kitting area (order desired shelves separately)
- Optional hygrometer allows continuous monitoring of humidity level (0 - 100%RH)

This versatile DesiCart^a provides dual storage chambers, each 16.5"W x 24"D x 37.75"H (clearance: 16"W x 24"D x 36.25"H). Chrome-plated racks allow placement of adjustable acrylic shelves. In addition, a 10"W x 24"D x 37.75"H kitting area, located between the storage chambers, allows convenient placement of kitting trays on adjustable acrylic shelves. Five-inch casters allow smooth rolling over a variety of floor surfaces.



Shown with optional hygrometer and acrylic shelves.

Overall dimensions (including hardware): 48"W x 25.5"D x 49.25"H.

Order Quick Connect Fitting and Automatic RB™ Valve.

	Cat. #
Acrylic*	1001-35A
Static-Dissipative PVC	1001-36A
Acrylic Shelf *(for storage chamber)	1001-38
Acrylic Shelf* (for kitting area)	1001-39
Hygrometer	5401-30

*Acrylic is damaged by alcohol and other cleaning agents.

Wafer Box DesiCart™

- Perforated electro polished 304 stainless steel shelves hold wafer boxes securely in position during transit
- Spring-loaded casters provide a cushioned ride, eliminate wafer chatter
- Each cart holds up to twelve 200-mm wafer boxes*

This DesiCart^a ensures clean, dry, secure transport of delicate wafers. Its 6"-diameter spring-loaded casters provide a cushioned ride, and ultra-clean materials of construction, including electro polished 304 stainless steel shelves, ensure surfaces that won't slough or outgas.

Perforated shelves ensure uniform gas distribution. Their angled design keeps boxes securely in position during transit. 304 stainless steel door frames ensure tight seals and a long service life. Overall



Cushioned ride for optimal product protection

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dimensions: 50.88"W x 26.25"D x 38"H (including hardware). Select Quick Connect Fitting and Automatic RB® Valve for nitrogen purging. Shelf clearance: 11.25"H.

Wafer Box DesiCart ^a	Cat. #
Enclosure Material	
Acrylic**	4002-48B
Static-Dissipative PVC	4002-49B

* Based on Empak model TR-08A. Custom sizing is available for other carrier sizes.

**Acrylic is damaged by alcohol and other cleaning agents.

Custom Configurations

Specify any custom modifications you require for your transport requirements!

A. Large-Capacity DesiCart

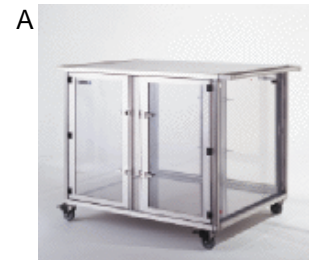
Ideal for large assemblies. Double doors afford unrestricted access to the complete storage area. Dimensions: 60"W x 36"D x 54"H.

Cat. #
1001-41A

B. Electro polished 304 Stainless Steel Domed Cart

This ultra clean cart features sliding acrylic access door and a "dead man" braking system that prevents rolling when unattended. The curved top assists in cleaning and also prevents personnel from setting objects on top.

Cat. #
1001-42A



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