TIM CAMPBELL 800-400-7500

Item # _____

Job _____

ELECTRONICS TRAY CART SYSTEM

Best in its class at an affordable price.

The latest trend in electronics production component storage & handling is the tray cart system. Metro brings you the most comprehensive product offering available. Consider some of the many benefits of this system:

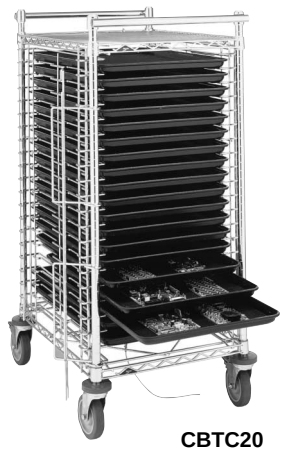
- Save valuable time & money – no cart or panel adjustments required.
- Inherently flexible – 18" x 26" ESD trays will handle different size PCBs & subassemblies.
- Increased yields & throughput – system is proven to provide reduced WIP handling damage.
- Increased profitability – due to improved yields.

Each cart comes **fully-loaded** with **value-added features:**

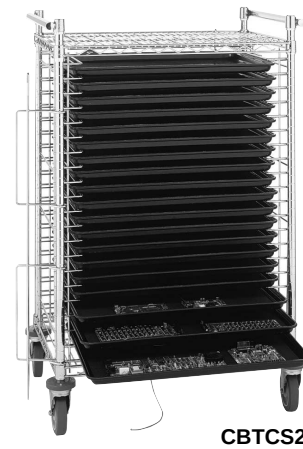
- Unique slide-system anti-tip design that prevents trays & contents from tipping.
- Two ergonomic handles (except front-load, 30 tray cart) that provide for easier cart maneuverability.
- Vibration suppression casters offer a smooth ride for sensitive components.
- Two brake casters to provide a braking option on inclines and uneven floors.
- Grounding cable to ensure proper grounding.
- 2 stop bars (front and back) to lock the cart during transportation.
- Lightweight wire design offers the lightest cart in the industry when fully-loaded.

Static dissipative tray (CBTC – TRAYSD)

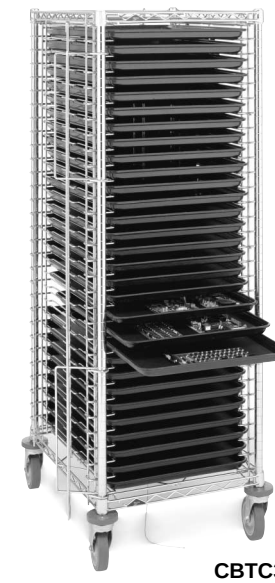
Conductive tray (CBTC – TRAY) with inaly (CBTC – INLAY01)



CBTC20
Ergonomic design.



CBTCS20
Ideally suited for heavy PCBs.



CBTC30
Offers greatest capacity.

Job _____

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ELECTRONICS TRAY CART SYSTEM

Specifications

- **Slides, shelves, posts, stop bars & handles:** Chrome-plated finish with Metrolac™ protective coating.
- **Casters:** 5" stem/swivel vibration suppression casters (5MFA series) 2 brake/2 swivel.

Complete Electronics Tray Cart Solutions

Cat. No.	Description	Tray Capacity No.	Slide Spacing (in.)	Slide Spacing (mm)	Width/Length (in.)	Width/Length (mm)	Height (in.)	Height (mm)	Approx. Pkd. Wt. (lbs.)	Approx. Pkd. Wt. (kg)
CBTC20SOL1	Front-Load Cart with Conductive Trays (20) & Trays Inlays (20)	20	1¾	44	28x22	711x559	49	1245	160	72.5
CBTC30SOL1	Front-Load Cart with Conductive Trays (30) & Tray Inlays (30)	30	1¾	44	28x22	711x559	63	1600	217	98
CBTCS20SOL1	Side-Load Cart with Conductive Trays (20) & Tray Inlays (20)	20	1¾	44	22x30	559x762	49	1245	160	72.5

NOTE: Each ETC Solution includes cart and corresponding number of conductive trays and tray inlays.
NOTE: Refer to ESD tray inlay section below for full description on tray inlay.

Electronics Tray Carts (stand-alone)

Cat. No.	Description	Tray Capacity No.	Slide Spacing (in.)	Slide Spacing (mm)	Width/Length (in.)	Width/Length (mm)	Height (in.)	Height (mm)	Approx. Pkd. Wt. (lbs.)	Approx. Pkd. Wt. (kg)
CBTC20	Front-Load Cart (short)	20	1¾	44	28x22	711x559	49	1245	80	36
CBTC30	Front-Load Cart (tall)	30	1¾	44	28x22	711x559	63	1600	97	44
CBTCS20	Side-Load Cart	20	1¾	44	22x30	559x762	49	1245	80	36

NOTE: CBTC20 & CBTCS20 are each load rated at 25 lbs. per level/500lbs. per cart. CBTC30 is load rated at 20 lbs. per level/600 lbs. per cart.
NOTE: Each cart comes complete with 4 vibration suppression casters (2 brake/2swivel), a grounding cable, 2 push handles (except CBTC30), & 2 stop bars.

Accessories

ESD Trays

Cat. No.	Description	Load Rating (lbs.)	Load Rating (kg)	Width/Length (in.)	Width/Length (mm)	Height (in.)	Height (mm)	Approx. Pkd. Wt. (lbs.)	Approx. Pkd. Wt. (kg)
CBTC-Tray	Conductive Tray	150	68	25¾x17⅞	654x457	1⅛	28.6	3	1.36
CBTC-TraySD	Static Dissipative Tray	150	68	25¾x17⅞	654x457	1⅛	28.6	3	1.36

NOTE: Trays are made from molded fiberglass and exhibit excellent resistance to abrasion, chemicals and solder, as well as the ability to carry heavy loads and remain dimensionally stable.
NOTE: All dimensions shown are based on top outside.

ESD Tray Inlays

Cat. No.	Description*	Color	Width/Length (in.)	Width/Length (mm)	Thickness (in.)	Thickness (mm)	Approx. Pkd. Wt. (lbs.)	Approx. Pkd. Wt. (kg)
CBTC-INLAY01	Tray Inlay	Blue/Black	24⅛x16⅛	612x410	.060	1.5	1.5	.680

DESCRIPTION: Type T2 material is a dual purpose rubber matting material. The two layer construction allows it to be used as a dissipative or a conductive matting product. The soft dissipative layer makes it ideal for use in soldering and assembly areas. This rubber material has superior resistance to abrasion, chemicals and is easy to clean and maintain. It is also heat resistant and will not produce toxic fumes if exposed to extremely high temperatures. Solder and flux will not damage the surface.

ELECTRICAL PROPERTIES*:

Property	Test Method	Value
RTT Resistance:	ANSI EOS/ESD-S4.1	4.61×10^6 - 9.00×10^6 Ohms
RTG Resistance:	ANSI EOS/ESD-S4.1	2.32×10^6 - 4.68×10^6 Ohms
Charge Decay:	FTMS 101C,M4046	0.01 - 0.02 seconds

* Electrical Properties are electrical measurements obtained by testing to industrial standards by an independent testing laboratory @ 100 Volts and 50% relative humidity unless otherwise specified. Complete text of the test report is available upon request.

SPECIFICATIONS:

Construction: Dual-layer rubber material
Texture: Abrasion resistant slight texture
Weight: 0.43 lbs./sq. ft. (0.2g/cm²)
Hardness: 65 ± 5 Shore "A", per ASTM-D2240
Heat Resistance: 32°F to 290°F (0°C to 143°C) continuous
Cleaning: For optimum electrical performance, surface must be cleaned regularly using and ESD mat cleaner. Do not use cleaners with silicone. Silicone buildup will create an insulative film on the surface.

ESD Cart Covers: Contact your Metro representative for more information.