

20X Series 200 mm Wafer Transport Carriers

High performance in a closed side wall configuration

Trends in wafer processing technology have mandated advancements in wafer carrier technology to support today's advanced semiconductor processing facilities. Our 20X Series 200 mm wafer transport carriers address automation, contamination control, and productivity requirements for today's 200 mm fabs. These wafer carriers, designed for advanced wafer transport, offer dramatic performance benefits over traditional low and midrange wafer carriers, including precise wafer access, reliable equipment operation, and secure wafer protection.



Designed for advanced wafer transport.

APPLICATIONS

- In-fab transport
- Process tool interface
- Secure wafer storage

FEATURES & BENEFITS

Predictable wafer location	Enables precise wafer access
Automated handling	Enables reliable equipment operation on process tools and automated materials handling systems
Advanced wafer carrier design and materials of construction	Secures and protects wafer against contamination and damage

SPECIFICATIONS

Wafer capacity	26: XT205-0100
	25: all others
	13: K213
Pins and holes	on top rail (unless noted)
Locating track notches	at center of the 13th pocket
Side walls	Closed
Compatible storage boxes	E210: XT205-0100
	E99, E210, HA200: all others

Material Specifications

STAT-PRO 9000	Next Generation advanced wafer transport carrier material	
	Static dissipative blend of Carbon Nanotube (CNT) enhanced polyetheretherketone (PEEK™) carbon compound	
	Temperature limits:	120°C (248°F) continuous use
		340°C (644°F) wafer insertion
STAT-PRO 3000	Advanced wafer transport carrier material	
	Static dissipative blend of PEEK and carbon fiber	
	Temperature limits:	120°C (248°F) continuous use
		340°C (644°F) wafer insertion
STAT-PRO 100	Wafer transport carrier material	
	Static dissipative blend of polypropylene (PP) and carbon powder	
	Temperature limits:	55°C (131°F) continuous use
		70°C (158°F) wafer insertion
EMSTAT PY	Wafer transport carrier material	
	Static dissipative blend of PEEK and carbon fiber	
	Temperature limits:	120°C (248°F) continuous use
		340°C (644°F) wafer insertion
EMSTAT AR+	Wafer transport carrier material	
	Static dissipative blend of polypropylene (PP), carbon fiber and PTFE	
	Temperature limits:	55°C (131°F) continuous use
		70°C (158°F) wafer insertion
EMSTAT AR	Wafer transport carrier material	
	Static dissipative blend of polypropylene (PP) and carbon fiber	
	Temperature limits:	55°C (131°F) continuous use
		70°C (158°F) wafer insertion
Blue Polypropylene	Wafer transport carrier material	

SPECIFICATIONS

PP with added colorant

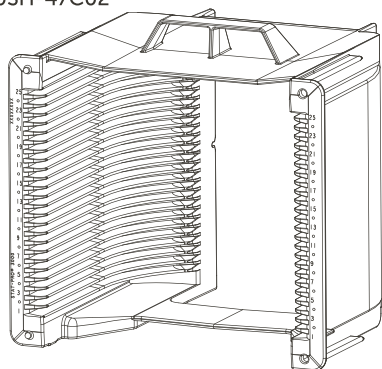
Temperature limits:

55°C (131°F) continuous use

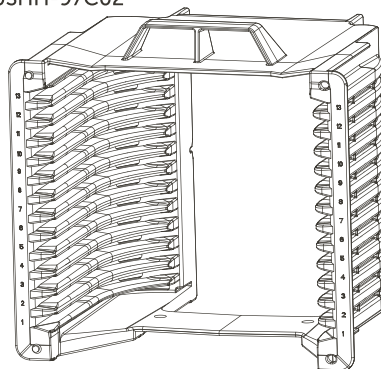
70°C (158°F) wafer insertion

DRAWINGS

KA202-80SH-47C02



K213-80SHH-97C02



ORDERING INFORMATION

PART NUMBER	WAFER CAPACITY	END WALL HANDLE TYPE	COLOR	RFID	MATERIAL	END WALL FLANGE TYPE	PINS AND HOLES
K213-80SHH-97C02	13	Standard, high position	Black	No	STAT-PRO® 9000	Standard outboard	Yes
K213-80SHHR1-97C02	13	Standard, high position	Black	Yes	STAT-PRO® 9000	Standard outboard	Yes
KA202-80S-47C02	25	None	Black	No	STAT-PRO® 3000	Standard outboard	No
KA202-80S-47C05	25	None	Green	No	STAT-PRO® 3000	Standard outboard	No
KA202-80SH-47C02	25	Standard, mid position	Black	No	STAT-PRO® 3000	Standard outboard	Yes
KA202-80SHH-47C02	25	Standard, high position	Black	No	STAT-PRO® 3000	Standard outboard	Yes
KA202-80SRM-47C02	25	None	Black	Yes	STAT-PRO® 3000	Standard outboard	No
KX202-0100-97C02	25	Standard, mid position	Black	No	STAT-PRO® 9000	Standard outboard	Yes
KX202-0200-97C02	25	None	Black	No	STAT-PRO® 9000	Standard outboard	Yes

ORDERING INFORMATION

PART NUMBER	WAFER CAPACITY	END WALL HANDLE TYPE	COLOR	RFID	MATERIAL	END WALL FLANGE TYPE	PINS AND HOLES
KX202-0500-97C02	25	Standard, high position	Black	No	STAT-PRO® 9000	Standard outboard	Yes
XT201-0104	25	Standard, mid position	Red	No	EMSTAT™ AR+	Standard outboard	Yes
XT201-0105	25	Standard, mid position	Green	No	EMSTAT™ AR+	Standard outboard	Yes
XT201-0107	25	Standard, mid position	Black	No	EMSTAT™ AR+	Standard outboard	Yes
XT201-0112	25	Standard, mid position	Blue	No	EMSTAT™ AR+	Standard outboard	Yes
XT201-0121	25	Standard, mid position	Gray	No	EMSTAT™ AR+	Standard outboard	Yes
XT201-0300	25	Standard, mid position	Black	No	EMSTAT™ AR	Standard outboard	No
XT201-0400	25	None	Black	No	EMSTAT™ AR	Standard outboard	No
XT202-0100	25	Standard, mid position	Black	No	EMSTAT™ PY PEEK™	Standard outboard	Yes
XT202-0500	25	Standard, high position	Black	No	EMSTAT™ PY PEEK™	Standard outboard	Yes
XT203-0100	25	Standard, mid position	Black	No	EMSTAT™ AR+	Standard outboard	Yes
XT203-0120	25	Standard, mid position	Gray	No	EMSTAT™ AR+	Standard outboard	Yes
XT203-0500	25	Standard, high position	Black	No	EMSTAT™ AR+	Standard outboard	Yes
XT203-0510	25	Standard, high position	Blue	No	EMSTAT™ AR+	Standard outboard	Yes
XT203-0520	25	Standard, high position	Gray	No	EMSTAT™ AR+	Standard outboard	Yes
XT203-0530	25	Standard, high position	Green	No	EMSTAT™ AR+	Standard outboard	Yes
XT204-0200	25	None	Black	No	EMSTAT™ HV+	Standard outboard	Yes
XT204-0500	25	Standard, high position	Black	No	EMSTAT™ HV+	Standard outboard	Yes

ORDERING INFORMATION

PART NUMBER	WAFER CAPACITY	END WALL HANDLE TYPE	COLOR	RFID	MATERIAL	END WALL FLANGE TYPE	PINS AND HOLES
XT205-0100	26	None	Black	No	EMSTAT™ AR+	Notched wide outboard	Yes

FOR MORE INFORMATION

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