

Summit ATC



PICK-AND-PLACE TEST HANDLER



*Handler shown
without Chiller.*

- ▶ **Ideal for Advanced Thermal Applications**
- ▶ **200W Total Power or 100W per cm²**
- ▶ **Active Thermal Control and Full Temp Operation (-30°C to +110°C)**
- ▶ **Correlation to ETC2000 Thermal Characterization System**
- ▶ **Single or Dual Test Sites**
- ▶ **Universal Device Kit**

Specifications

ADAPTATION KITS

PACKAGE TYPE	BGA, LGA, PGA, MCM. (For other package types, consult Delta Design)
PACKAGE SIZE	Minimum: 25mm x 25mm Maximum: 63mm x 63mm Thickness: up to 8.0mm
PACKAGE CHANGEOVER	<30 minutes for similar package types
CONTACTOR	Delta Design high-performance contactors or customer-specified contactors

PLATFORM

MEDIA	JEDEC trays (for other trays, please consult factory)
INPUT	2 – Automated input positions 1 – Automated empty tray buffer
SORT	5 – Automated tray positions 7 – Automated tray positions (optional) 15 – Automated, single tray plus 3 multi-tray locations (optional)
TEST SITE	Vertical test head docking plane x1 configuration – standard x2 configuration – optional
TURRET CAPACITY	x1: 8 chucks – standard x2: 4 chucks – optional
INDEX TIME	x1: 900ms (device and configuration dependent)
THROUGHPUT	x1: 1600 UPH max., (test time and device dependent) x2: 1840 UPH max., (test time and device dependent)

TEMPERATURE RANGE	Active: -10°C to +110°C Passive: -30°C to +110°C (optional)
VARIATION FROM SETPOINT	±2.0°C of setpoint at start of test
POWER DISSIPATION	Power density to 100W/cm ² , 200 W maximum (package dependent)
THERMAL FEEDBACK METHOD	Heater temperature feedback Power following feedback DUT temperature feedback
ESD	< 100V w/ optional ionizers
USER INTERFACE	Windows-based, color touchscreen
COMMUNICATION INTERFACE	RS 232 or GPIB (consult factory for other options)
POWER REQUIREMENTS	208VAC, 50/60 Hz, three phase, 30 amp
AIR	Single site: 80 psi, 22 to 27 scfm (clean, dry air)
SYSTEM DIMENSIONS	72"L x 53"D x 60"H (w/o light tower) (1.80m x 1.36m x 1.53m)

CHILLER

COOLING	Water-cooled
WATER	25 - 50 psid, minimum flow vs. temp from 4 gpm @ 59°F (15 lpm @ 15°C) up to 13 gpm @ 77 °F (49 lpm @ 25°C)
POWER REQUIREMENTS	208VAC, 50/60 Hz, three phase, 40 amp
SYSTEM DIMENSIONS	19"L x 28"D x 47"H (0.48m x 0.71m x 1.19m)

Specifications subject to change without notice.
For detailed performance specifications, please contact Delta Design.



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