

# Castle

**Delta  
Design**  
A Cohu Company

## PICK-AND-PLACE TEST HANDLER



- ▶ **Tri-Temperature  
with Large Soak Capacity**
- ▶ **QFP, TQFP, TSOP, BGA, PLCC,  
MCR, and other Surface Mount Packages**
- ▶ **1 - 9 Test Sites**
- ▶ **Fast Index Time – High Throughput**
- ▶ **Simple, Fast Package Changeover**

## Specifications

<b>ADAPTATION KITS</b>		<b>TEST SITE</b>	
<b>DEVICE TYPE</b>	QFP, TQFP, TSOP, CSP, BGA, $\mu$ BGA, PLCC, LCC, SOIC, and QFN. (For other package types, consult Delta Design)	<b>INDEX TIME</b>	Vertical test head docking plane x1, x2, x3, & x4 – standard x6, x8, & x9 – optional Configurable pin one location – optional
<b>PACKAGE SIZE</b>	Typical overall size (including leads) 4mm x 4mm to x1 – 48mm x 48mm x2 – 35mm x 35mm x4 – 32mm x 32mm x3, x6, x8, x9 – 22mm x 22mm Thickness: 0.5mm to 5mm Kit parallelism can be added as needed	<b>THROUGHPUT</b>	550 ms – x1, x2, x3, & x4 test site; 750 ms – x6, x8, & x9 test site
<b>PACKAGE CHANGEOVER</b>	<30 minutes	<b>TEMPERATURE RANGE</b>	Lx: 4200 uph TURBO: 5200 uph
<b>CONTACTOR</b>	Delta Design high-performance contactors, customer-specified contactors, or burn-in sockets	<b>THERMAL ACCURACY</b>	Ambient to +160°C (+175°C optional); –60°C to +160°C (+175°C optional)
<b>PLATFORM</b>		<b>ESD</b>	Soak: $\pm$ 2°C Test Site: $\pm$ 2°C
<b>MEDIA</b>	JEDEC trays (for other tray types, please consult factory)	<b>USER INTERFACE</b>	< 300V within 6" of part path < 50V within 6" of part path with ionizer (optional) Color touchscreen
<b>INPUT</b>	1 - Automated input position 1 - Automated empty tray storage position	<b>BINNING INTERFACE</b>	Parallel, RS 232, GPIB, SECS/GEM (consult factory for other options)
<b>SORT</b>	4 - Automated sort positions (standard) 1-4 - Additional automated sort positions (optional) 1 - Automated auxiliary buffer position (optional)	<b>POWER REQUIREMENTS</b>	200 - 240 VAC, 50/60 Hz, Single or three phase, 30 amp
		<b>SYSTEM DIMENSIONS</b>	54"L x 54"D x 63.75"H (1.37m x 1.37m x 1.62m)

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



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