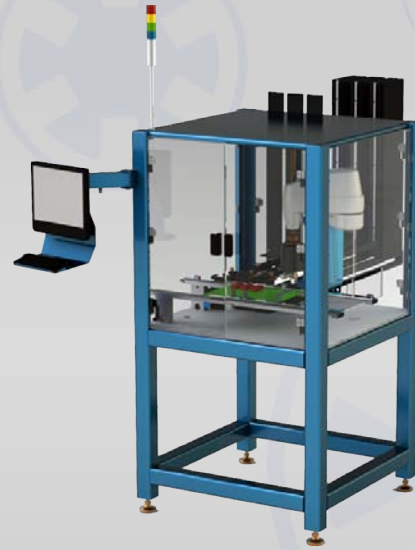


ODD-FORM FEATURES

- EPSON 4-axis SCARA Robot with motion controller
- CHAD's simplified application software and operator interface
- Windows PC and manual control pendant
- Edge belt conveyor with board stop locating tooling and board support assembly
- Lead clinch (optional)
- Two feeder slots, accepts all standard CHAD parts feeders
- Accepts CHAD's Adaptive Compliance PIE assembly head or lightweight SGE Mechanical and Vacuum Grip heads
- Customer specific requirements can be quoted upon request

CUSTOM ASSEMBLY FEATURES

- Windows PC and manual control pendant
- Standard or custom designed grippers
- Customized CHAD software and operator interface tailored to fit the application
- Various styles of material handling, parts feeding and tooling available for different applications
- Turnkey application development from CHAD's seasoned team of design and application engineers
- Optional frame upgrade for a finished looking machine with, four feeder slots



The **CHAD IQps™** is a truly affordable low-cost automation platform that offers an ideal solution for those tough to justify Odd Form Pick and Place, or Custom Assembly Applications.

The base system features an EPSON 4-axis SCARA manipulator. Easy to use motion and vision controls provide excellent capability. Off the shelf assembly tools provide great system flexibility.

The **CHAD IQps™** is configurable, making it an excellent choice for Custom assembly type applications as well as standard Odd Form.




FOR MORE INFORMATION:

CHAD INDUSTRIES
1565 S Sinclair Street
Anaheim, CA 92806

PHONE: (714) 938-0080
FAX: (714) 938-0630
WEB: www.chadindustries.net

CHAD/Qps™ System Specifications

Machine Dimensions	<i>Length</i>	1,118mm (44.0")		
	<i>Depth</i>	1,600mm (63.0")		
	<i>Height</i>	1,164mm (65.5")		
Board Handling	<i>Min. Width</i>	76mm (3.0")		
	<i>Max. Width</i>	254mm (10.0")		
	<i>Min. Length</i>	76mm (3.0")		
	<i>Max Length</i>	356mm (14.0")		
Feeder Capacity	Up to 4			
Positioning System Specifications	(X,Y) Axis			
	<i>Repeatability</i>	+/- 25µm (.001")		
Insertion Head Specifications	Z Axis	Theta		
	<i>Max. Stroke</i>	178mm (7.0")	<i>Rotation</i>	360°
	<i>Repeatability</i>	+/- 25µm (.001")	<i>Repeatability</i>	+/- .03°
Clinch Specifications	Dedicated lead grip modules available on quick change plates.			
Power & Air Requirements	200 – 240 VAC, 1ph with Neutral and Ground, 50/60 Hz, 30 Amp, 90 to 100 PSIG @ 4.0 CFM/40 Micron			
Controller	Windows PC with EPSON RC180 Controller, digital I/O @ 24 VDC, manual control pendant, e-stop, status lamps, and power switch.			
Options	<p>Feeding/Conveyance: Feeders (axial, radial, tube, continuous header, tray, bowl, GPAX, third party), Programmable Speed Conveyor Upgrade, Conveyor Buffer Upgrade</p> <p>Part Handling: Assembly Heads [PIE (Programmable 3-D Adaptive Compliant Technology), SGE (single grip)]</p> <p>Programming/Intelligence: Vision System, Bar Code System for Program Selection and Part Verification</p>			

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