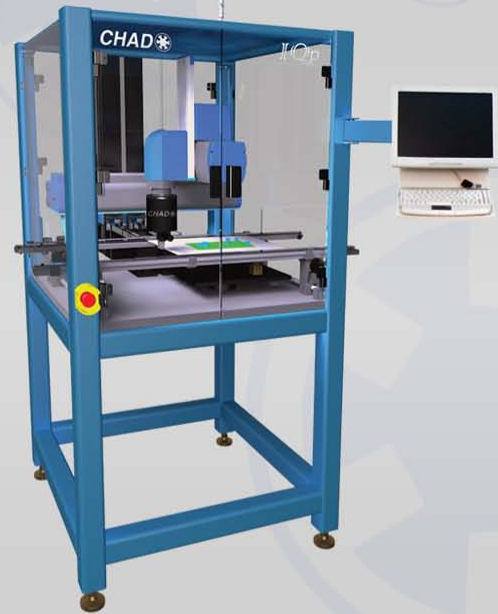


### ODD-FORM FEATURES

- PrecisePlace 1400 4-axis cartesian robot and integrated 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 (2) quick-change 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

- Scalable base frame and cartesian manipulator configured to fit application
- Windows PC and manual control pendant
- Standard or custom designed grippers
- Integrated motion and vision controller combined with PreciseVision tools offers high resolution vision capability at low cost
- 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



The **CHAD IQp™** 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 Precise Automation's PrecisePlace Cartesian manipulator. Easy to use motion and vision controls provide excellent capability. Off the shelf assembly tools provide great system flexibility.

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


### FOR MORE INFORMATION:

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# CHAD//Qp™ System Specifications

<b>Machine Dimensions</b>	<i>Length</i>	1,118mm (44.0")		
	<i>Depth</i>	1,600mm (63.0")		
	<i>Height</i>	1,164mm (65.5")		
<b>Board Handling</b>	<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")		
<b>Feeder Capacity</b>	2			
<b>Positioning System Specifications</b>	<b>(X,Y) Axis</b>			
	<i>Repeatability</i>	+/- 25µm (.001")		
<b>Insertion Head Specifications</b>	<b>Z Axis</b>	<b>Theta</b>		
	<i>Max. Stroke</i>	178mm (7.0")	<i>Rotation</i>	360°
	<i>Repeatability</i>	+/- 25µm (.001")	<i>Repeatability</i>	+/- .03°
<b>Clinch Specifications</b>	Dedicated lead grip modules available on quick change plates.			
<b>Power &amp; Air Requirements</b>	200 – 240 VAC, 1ph with Neutral and Ground, 50/60 Hz, 30 Amp, 90 to 100 PSIG @ 4.0 CFM/40 Micron			
<b>Controller</b>	Windows PC with EPSON RC180 Controller, digital I/O @ 24 VDC, manual control pendant, e-stop, status lamps, and power switch.			
<b>Options</b>	<p><b>Feeding/Conveyance:</b> Feeders (axial, radial, tube, continuous header, tray, bowl, GPAX, third party), Programmable Speed Conveyor Upgrade, Conveyor Buffer Upgrade</p> <p><b>Part Handling:</b> Assembly Heads [PIE (Programmable 3-D Adaptive Compliant Technology), SGE (single grip)]</p> <p><b>Programming/Intelligence:</b> Vision System, Bar Code System for Program Selection and Part Verification</p>			

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