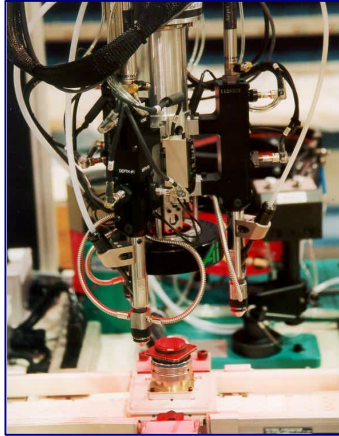


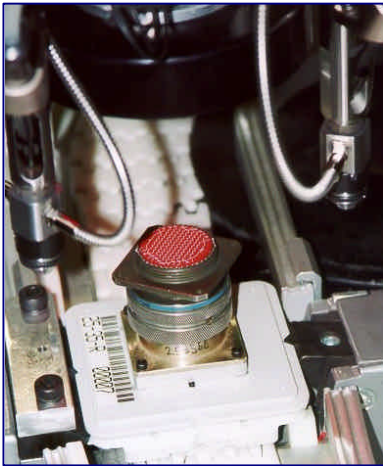
# CHAD Seal Plug Insertion System

## SYSTEM OVERVIEW

Founded on a proven *CHAD* assembly platform, the new *CHAD* Seal Plug Insertion System can be configured with single or multiple high-speed insertion heads to handle a variety of seal plugs while providing mis-insertion sensing. An integrated vision system provides product location and inspection capabilities,



while the motorized conveyor with gating feature provides capability to queue multiple connectors and allow only a single connector to enter the assembly area at a time. Combined with an ergonomically designed workbench, which features easily accessible fixture storage racks and LED indicators to assist the operator, *CHAD* provides a turnkey solution for



profitable wire harness assembly. Other features on this system include a user-friendly Adept AIM front end for ease of operation and programming, handheld and integrated bar code scanners for connector ID, a thermal transfer label printer, and a laser printer.

## SYSTEM FEATURES

- Fully-automatic system for seal plug insertion
- Typical Throughput: 1sec/insertion
- System Footprint: 42" x 59" x 78"
- Workbench Footprint: 34" x 72" x 78"
- Vision inspection & Guidance tools
- User-friendly, database-driven, AIM MotionWare programming interface
- Single or dual high-speed insertion head option
- Motorized input/output conveyor with gating feature

## CHAD OFM-160A BASIC WORKCELL

The centerpiece of the Seal Plug Insertion System is the standard *CHAD* OFM-160A workcell. This workcell features an Adept 600 desktop SCARA robot controlled by the AdeptWindows Controller. It features Adept's universally accepted V+ operating system and the AIM application interface.

The workcell base is manufactured of welded steel tube and blanchard ground steel deck painted with a durable polyurethane paint. Workcell controls are housed within the base. All controls are arranged for ease of access and maintenance.



The workcell perimeter is guarded by a polycarbonate enclosure with safety interlocked access doors. High quality Schmersal undefeatable safety interlock switches are used on the workcell access doors.

## CHAD QUALITY

Known for setting industry standards in electronics assembly automation, *CHAD* has once again made its mark by offering the most technologically advanced automation product



available. For more information on this or any of *CHAD*'s assembly solutions, please visit our website at [www.chadindustries.net](http://www.chadindustries.net).

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