



Control & Automation Companies

Integrated Engineering Solutions for Global Companies

Insertion Connector Machine

MODEL CAC-INS-001

EQUIPMENT DESCRIPTION

The CAC-INS-001 is a semi-automatic Connector to Tube Insertion Machine designed to accurately control insertion of a plastic connector into the end of a flexible tube. The ergonomic design will eliminate common operator hand injuries related to this type of a manual process. While at the same time significant process through-put and yield rate will be realized.

The insertion mechanism design has the capability to handle many different tube sizes with the same basic connector design. The tubing and its mating connector recipe can be pre-programmed for ease of selection from the Operator Interface Terminal (OIT).

The insertion force design has the capability to apply up to 6000N of applied force. The tube gripping mechanism will accept 3/32" - 1" Outer Diameter tubing without tool change.

This equipment is designed to accommodate plastic tubes that present high expansion resistance.

Safety guard protection is standard feature.

Equipment Process Specifications

- Accommodates tubing from 3/32" to 1" Outer Diameter
- Connector insertion depth from 1/16" to 1.5" Length
- Stores up to 64 different recipes
- Machine Throughput of 500-720 units per hour (operator dependant)
- Connector holding and loading mechanisms are custom designed to meet product specification
- Connector loading magazine can be manual loaded or adapted to an optional bowl feeder



Technical Specifications

| | |
|-----------------------|---|
| INSERTION SPEED | 5.8 Seconds |
| POSITIONING ACTUATORS | 6000 (N) Push force max. |
| | Servo cylinders |
| | 64 Programmable positions |
| OPERATOR INTERFACE | 6" Color touch screen |
| | Capable of storing and recalling multiple product setups. |
| SYSTEM CONTROL | PLC Controlled |
| BOWL FEEDER CAPACITY | Customized as per customer requirements. |
| POWER | 115V - 220 AC |
| AMP | 7.0 AMP |
| Hz | 50 – 60 |
| AIR | 60 PSI |
| DIMENSION | 52in (W) x 40in (D) x 68in (H) |

1950 w. 84th Street
 Miami, Florida 33014 USA
 Toll Free: 866.299.3361
 Fax: 305.826.3008

Office:305.826.8262
 Email: sales@cacmiami.com
 Website: www.cacglobal.com

Blvd. Oscar Flores #2608 Local #4
 Cd. Juárez, Chih. MX CP 32390
 Fax:(011)52.56.611.6771

Office: (011) 52.656.611.6770
 Email: sales@cacdmx.com
 Website: www.cacglobal.com