

Alpha 1 Technologies

A30D-AS/IN Series Axial Inserter



Machine Highlights

- Competitive pricing
- User friendly interface with Windows 7 Operating System
- Available in Stand Alone and optional Inline systems
- Designed for easy maintenance
- Rotary table can rotate in either clockwise or counter clockwise, reducing cycle time
- High precision ball screw and AC servo motor deliver positioning system accuracy to 0.001mm
- Fiducial pattern correction with machine vision
- UPS power interruption protection
- Standard jumper wire dispenser attaches directly to the insertion head to reduce waste
- Online or offline programming (CSV and CAD import)



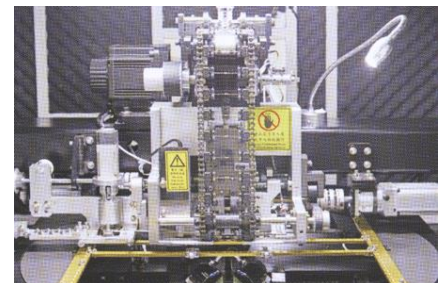
Input modules start at 10 stations and can expand to 100.

Simple dispensing head design reduces spare parts and maintenance.



Stepper driven dispensing heads deliver higher performance and reliability.

Straightforward tooling design provides easier maintenance and greater reliability.



	Model A30D-AS	Model A30D-AS-IN
General Specifications		
Insertion Speed	22,000 cph	22,000 cph
Insertion Direction	4 Direction 0°/90°/180°/ 270°	4 Direction 0°/90°/180°/ 270°
Component Span	5mm ~ 22mm	5mm ~ 22mm
Minimum Board Size	50mm x 50mm	50mm x 50mm
Maximum Board Size	450mm x 450mm	320mm x 285mm, 400mm x 285mm Option
Process Height	N/A	900mm
Board Thickness	0.79-2.36mm	0.79-2.36mm
Component Style	Capacitor, Transistor, Diode, Resistor, Inductance, Fuse Block, Other Axial style taped components	Capacitor, Transistor, Diode, Resistor, Inductance, Fuse Block, Other Axial style taped components
Jumper Wire (Optional)	Independent Module: Dia 0.5 – 0.7mm Tin Plated Copper Wire	Independent Module: Dia 0.5 – 0.7mm Tin Plated Copper Wire
Cut & Clinch Length	1.2 to 2.2 mm, Adjustable	1.2 to 2.2 mm, Adjustable
Clinch Angle	0-35° Inward Clinch, Adjustable	0-35° Inward Clinch, Adjustable
Component Stations	20 Std (30,40,50,100 Option)	20 Std (30,40,50,100 Option)
Insert Module Dimension (L x W x H)	1750 x 1450 x 1700mm	1850 x 1450 x 1550mm
Part Dispenser Module Dimension (L x W x H)	2000 x 1000 x 1500mm (20 Stations)	2000 x 1000 x 1500mm (20 Stations)
Weight	Approx 1150kg	Approx 1200kg
Power Requirement	AC220V, Single Phase, 50/60Hz, 1.5Kw	AC220V, Single Phase, 50/60Hz, 1.5Kw
Power Protection	UPS, 15 Minute Duration After Power Cut-Off	UPS, 15 Minute Duration After Power Cut-Off
Air Pressure	0.6 Mpa	0.6 Mpa
Air Consumption	0.2 M ³ /Min	0.2 M ³ /Min
Environmental Temperature	5°C - 25°C	5°C - 32°C
Noise Level	60 db	60 db
Position Teaching	Vision System Multi Fiducial	Vision System Multi Fiducial
Component Centering	Std Mechanical Centering Servo Drive Centering Option	Std Mechanical Centering Servo Drive Centering Option
Axis Driving System	AC Servo Motor	AC Servo Motor
Chain Driving	Dual Chain With Dual Servo Motor Drive	Dual Chain With Dual Servo Motor Drive
Data Input Style	USB Port (Excel Format)	USB Port (Excel Format)
Control System	Chinese, English Windows 7	Chinese, English Windows 7,
Operator Interface	LCD Display	LCD Display
Operation Mode	Auto / Semi Auto / Manual	Auto / Semi Auto / Manual
Rotary Table Rotation	Clockwise or Counter Clockwise	Clockwise or Counter Clockwise
Board loading	Manual	Conveyor Inload Right to Left (Selectable)
Programming	Online or Offline Programming	Online or Offline Programming