AH-640

Automatic Programming Equipment

Introduction

To keep ahead the trend for high-density IC, AH-640 enhances on the programming sides and the programming speed. These two improvements make the programming efficiency perfectly. Besides, AH-640 build in the AOI system to make sure the the the precision positioning.

Features

- **Up to support 64 sites**

  Provide 2 parts of programmer module areas, able to change different programmer modules. For example, one side is for 32 sites eMMC modules, the other side for 12 sites universal modules. The dedicated programmers make the high yield rate and high C/P value.

- **Multi-Z axises for enhancing throughput**

  The AH-640 is based on XY Table for foundation. There are corresponding Z axis groups for in and out. The each group build in 2 sets of Z axises. There are 2 Θ axises on the each Z axis. They correct the offset ICs and pull up the capacity.

- **CCD positioning module**

  The AH-640 imports CCD AOI system modules. With the XY Table motion control, they make sure the accurate positioning for each IC.

- **Modular electric control system**

  Uses the industrial Chassis standard to establish the electric control system, including AC power, DC power, signal, all types of control cards and computers. It simplify the wiring and easy to check and maintenance.

- **Intelligent Automation control**

  To adapt to the trend for Intelligent Automation, AH-640 control software has all the automatic programming functions, and convenient to link to all types of programmers, testers, electric control system and exchange information with external computers.

- **Marking task**

  Provides optional automatic marking machine for tape and tray.

Standard Accessories
- AH-640 Main unit x1
- User manual x1
- USB stick x1

Optional Accessories

Auto Tray Transporter	ATT-400, about 30kg
Tape Feeder	ATF-1-XX (XX: tape width) Electrodynamic Tape Feeder about 2kg.
	ATF-2-XX (XX: tape width) Pneumatic Tape Feeder, about 2kg.
Taping Machine	ATM-32 (8~32mm tape width) Automatic Taping Machine, about 5kg.
Tube Feeder	STI-3-XXX (XXX mil: IC width) Semi-automatic Tube Feeder, about 3kg.
Marking machine	MK-2, for tape, ink type for dot, number and letter, about 1kg.
	MK-100, for tray, ink type for dot, number and letter, about 1kg.
IC Socket	AH-160-XXXXX (XXXXX: IC package and Pin numbers) IC Socket.
Press Bar	AH-640-XXXXX-XX * XX (IC package, Pin numbers and dimension).
Nozzle	Large: Internal diameter 3* External diameter 8*L15.4/mm
	Medium: Internal diameter 2.0* External diameter 3.3*L15.0/mm
	Small: Internal diameter 1.5* External diameter 2.2*L15.0/mm

Specification

Handler System	U.P.H.	1500 (no programming time)
	Placement repeatability	±0.03mm
	Pick and place method	4 vacuum nozzles
	Dimensions	1655mm(W)*1520mm(H)*1060mm(D) [Without tower light]
		1655mm(W)*2030mm(H)*1060mm(D) [With tower light]
	Net weight	600kg
Motion System	X axis stroke	1000mm
	Y axis stroke	410mm
	Z axis stroke	70mm
	Θ axis stroke	360°
AOI System	Fixed CCD	Field of view: 25x20mm
		Resolution: 0.02 mm
		Repeatability: ±0.008 mm
	Carried CCD	Field of view: 35x25mm
		Resolution: 0.045mm
		Repeatability: ±0.03 mm
Programmer	Resident programmer	eMMC Gang Programmer
	Programming Site	1 to 8 site, 1 to 8 socket per site, up to 64 socket.
Loader & Unloader	Tray input	Auto tray move in · stack up to 10 trays for JEDEC stander.
	Tray output	Auto tray move out · stack up to 10 trays for JEDEC stander.
	Tape input	Available for tape with 8mm, 12mm, 16mm, 24mm tape width.
	Tape output	Press-sealing mode · Accept tape with 8mm to 32mm tape width.
	Tube input	Support 150mil · 207mil · 300mil package.
Control System	Operating system	PC base control with Windows XP Embedded
	Display	TFT LCD Monitor
	Data entry	Keyboard and mouse
Power System	Input voltage	AC 220~245V
	Input frequency	50/60Hz
	Power consumption	1.0KVA
Air System	Air pressure	0.6MPa(5.5~6.0Kg/cm2)
	Air flow	50liter/min