AH-400 SERIES

High-Speed Automated Programming Equipment

Introduction

AH-400 is an expeditious automated programming system, which provide a special design for programming tiny devices packaged in Tube/Tape/tray. Its unique technology design which has a rotary robotic arm to pick up and position devices. The AH-400 contains a high-speed programmer that can bring AH-400 into the most efficient UPH.

Features

- **High-performance**
  Not only meet a variety of input and output options with tube, tape and tray, also perform programming, marking and packaging.
- **Intelligent Operation**
  Automatic loading, positioning, programming, marking and sorting through system control.
- **High-speed programming system**
  Built-in SU-6000 Gang 4 programmer to ensure high quality and stability of the programming system.
- **Marking machine**
  System provide dots, number or character marking for the ICs packaged in tube or tape.
- **Convenient maintenance**
  The special modularized design grants an easy access to exchange the packaging method from tube to tape or vice versa.
- **Powerful operation software**
  User friendly and powerful operation software, which can record all of the production details. The saved results will be used for the next reboot, as well as tracking qualities and productivity.

Patent Information

Patent certificate No.: M 306360 in Taiwan
Patent certificate No.: ZL2006-2-0137588.6 in China
Patent certificate No.: 3129604 in Japan

Standard Accessories

- AH Series Automatic Programming system
- SU-6000 Programmer
- ATT-100 Manual Tray in/out Transporter
- ATT-200 Automatic Tray in/out Transporter
- User manual
※Other type of IC loader/unloader and programming adaptor are optional

Optional Accessories

Tube In	Semi-Automatic Tube Loader STI-3-xxxkit (xxx:IC size), about 5kg
Tube Out	Semi-Automatic Tube unloader STO-3-xxxkit (xxx:IC size), about 5kg
Tape In	Automatic Air Feeder ATF-1-xxxkit (xxx:IC tape width) , about 2kg
Tape Out	Automatic Taping Machine ATM-100, about 30kg
Mark Machine	Mark Tube out / Tape out devices (MK-1)
Socket Press Block and Nozzle	In accordance with IC size to choose.
Test Socket	We strongly recommend it is better to prepare consumables for replacement.
Processor	AH-400A(B)-08-xxx (xxx : IC size)
Programming Adaptor	Depend on customer's request.

*Please contact Leap sales for a correct P/N when users need to purchase accessories.
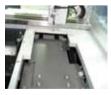

AH-400+
(Without Tray in/out Transporter)

AH-400A
(With ATT-100)

AH-400B
(With ATT-200)

Working interface

AH series not only supports tube, tape and tray in/out buy also has marking machine

ATM-100
Automatic Taping Machine

STI-3-xxxkit
Semi-Automatic Tube Loader

ATT-100
Semi-Automatic Tray Transporter

ATF-1
Automatic Air Feeder
(12mm~24mm)

STO-3-xxxkit
Semi-Automatic Tube Unloader

ATT-200
Automatic Tray Transporter

AH-400 SERIES

High-Speed Automated Programming System

Specification		AH-400$^+$	AH-400A	AH-400B
Transmission System	Throughput (UPH)	1.8K		
	Repeatable Resolution	X Axis +/- 0.02mm R Axis +/- 0.067º Z Axis +/- 0.02mm	X Axis +/- 0.02mm R Axis +/- 0.067º Z Axis +/- 0.02mm Y Axis +/- 0.05mm	X Axis +/- 0.02mm R Axis +/- 0.067º Z Axis +/- 0.02mm Y Axis +/- 0.05mm
	Max. Stroke (Max.)	X axis 350mm R axis 330º Z axis 50 mm	X axis 350mm R axis 330º Z axis 50mm Y axis 550 mm	X axis 350mm R axis 330º Z axis 50mm Y axis 550mm
	Pick & Place Method	Vacuum Nozzles		
	Component Detection	Vacuum sensor		
	Dimensions	1160mm (W) x 800mm (D)x 1400mm (H)	1160mm (W) x 800mm (D)x 1400mm (H)	1160mm (W) x 950mm (D) x 1400mm (H)
	Dimensions (with ATM-100 and warning light)	1160mm (W) x 1500mm (D) x 1800mm (H)		
	Net Weight	~300kg		
Position System	Positioning	Precissor		
	Precissor Dimensions	30 x 30mm (Max)		
Programming System	Programmer	SU-6000 GANG-4 Programmer		
	Adapter supported	2~16		
	Pin Driver	40 Universal Pin Driver		
	Devices supported	EPROM, EEPROM, FLASH, NAND Flash, MCU...		
	Applicable packages	SOP, SSOP, SON, TSSOP, MLP, QFN, SNT, LQFP, PLCC...		
	File formats supported	INTEL HEX, MOTOROLA HEX, TEK MEX, ASCII HEX, BINARY...		
	Communication	USB 2.0		
	Certificate	CE Compliant		
Feeding System	Tube Input	150mil, 207mil, 300mil, 330mil		
	Tube Output	150mil, 207mil, 300mil, 330mil		
	Tape Input	Available for tape with 12~24mm		
	Tape Output	Press-sealing mode, accept tape with 12~32mm		
	Tray Input/Output	Jedec stander		
Control Interface	Operating system	PC-Based Control with Windows XP		
	Display	17" TFT LCD Monitor		
	Data Entry Device	Keyboard/Mouse		
Operation Requirement	Input voltage	AC200 ~ 245V, Single-phase, 3 Wires		
	Frequency	50/60Hz		
	Power consumption	600W		
	Air pressure	0.6MPa (~6.0kg/cm^2)		
	Air flow	32 liter/min.		