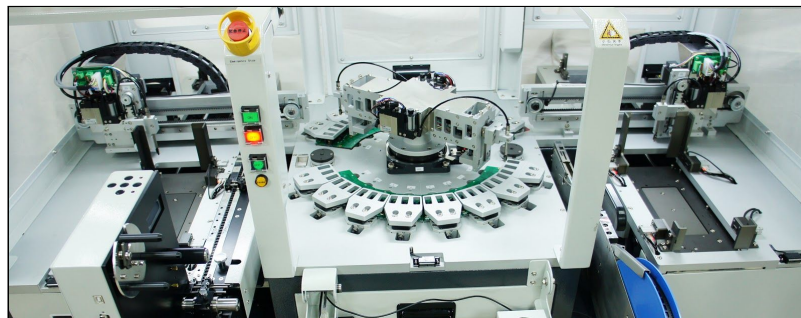


- Automated IC Programming System



Automated IC Programming System

Introduction

The core of AH-480 Automated Universal Programmer, referred to as AH-480, is its patent rotary robotic arm with vacuum nozzles at both sides for IC pick & place of extremely high speed and accuracy. It comprises 16 units of the latest LEAP universal programmer, offering the most stable and fastest programming output. AH-480 is and will always be the most efficient and cost effective programming equipment on the market, integrating fully optimized electronic control and mechanism to handle all types of IC of various packages & capacity for mass production. It is the best solution to automated IC programming.

Features

- | Supporting various types of IC packages & packing

AH-480 universal programmer offers SOP, TSOP, BGA, QFN, MLP...etc and customized Sockets to be used.

It also allows you to put in and out different packing with its modularized Tray, Reel, Tube modules, which can be changed easily and quickly for flexible and efficient factory production.

| Comprising built-in high speed universal programmers

AH-480 universal programmer series comprises 16 units of LEAPER-56 universal programmer, offering reliable high speed and stable programming.

| Supporting HDCP programming functions

AH-480 meets all kinds of programming requirements/configurations including adding serial numbers.

| Stable and reliable mechanism & electronic control systems

AH-480 universal programmer runs with absolute coordinates and is fully modularized, providing stable automated IC feeding, positioning, programming, classifying, marking and output.

| Automated Ink Marking

Optional ink marking modules to be used with reel output for dot, number, character marking.

| Easily maintainable

The modularized design makes maintenance and modules changing easy and fast.

| User Friendly Operation UI

The user-friendly UI minimize the possibility of mis-operation and offers quick and simple programming procedures. The software provides complete data logging of programming results for tracking. Configurations can also be saved for quick loading after rebooting.

| Vision recognition & correction module

AH-480 universal programmer series integrates vision recognition and correction system for quick coordinates & IC position offset adjusting.

| Flexible Modules to be chosen

AH-480 universal programmer series offers easily changeable tube, tray, and reel modules for input & output, and also marker & AOI modules for maximizing productivity in factories.

Optional Modules



Software & Hardware Specifications

Model	AH-480	AH-480B
Output(UP H)	3K	3K
Transmissi on System		

Repeatable Accuracy	X Axis $\pm 0.02\text{mm}$ R Axis $\pm 0.067\text{mm}$ Z Axis $\pm 0.02\text{mm}$
Max. Stroke	X axis 350mm R axis 330mm Z axis 50mm
Pick & Place Method	Vacuum Nozzles
Detection	Vacuum Sensor
Position System	
Positioning	Precissor
Dimensions	30 x 30mm (Max)
Vision Recognition	
Device	Digital Camera
Specification	0.3 Mega Pixels, 1/3" CMOS
Resolution	0.06mm / Pixel

Programmi ng System	
Program mer	LEAPER-56 Universal Programmer
Adapter Support ed	1 - 48
Pin Driver	48 Universal Pin Driver
Devices Support ed	EPROM, EEPROM, FLASH, NAND Flash, MCU... etc.
Applica ble Package s	BGA, SOP, SSOP, SON, TSSOP, MLP, QFN, SNT, LQFP, PLCC... etc.
File formats supporte d	INTEL HEX, MOTOROLA HEX, TEK MEX, ASCII HEX, BINARY... etc.
Feeding System	
Tube Input	150mil, 207mil, 300mil, 330mil
Tape Input	Available for tape with 8, 12, 16, 24, 32mm
Tape Output	Press-sealing mode, accept tape with 8 - 32mm
Tray Input	JEDEC Standard

Tray Output	JEDEC Standard
Control System	
Operating system	Windows Embedded Standard
Display	17" TFT LCD Monitor
Interface	Keyboard, Mouse, USB
Requirement	
Input voltage	AC220V, Single-phase, 3 Wires
Frequency	50/60Hz
Power consumption	1KW
Air pressure	0.6MPa (~6.0kg/cm ²)
Air flow	32 liter/min.
Dimensions	1550mm (W) x 1150mm (D) x 1810mm (H) (with ATM- 32 and warning LED)
Net Weight	380kg