

貼片機M580系列

Pick And Place System M580 Series

高速度

High Speed

高精度

High precision

三個貼裝頭

Triple Heads



特點 Features

- 高速，高精密，全閉環的電動裝置

高速貼裝頭的移動由AC伺服馬達直接驅動一對高精度的絲杆來控制，可達0.02mm的重複精度。

High-Speed,High-Precision,Closed-Loop Drive Mechanism

The high-speed placement head movement controlled by AC Servo motor driven dual precision ball screw with repeatability 0.02mm.

- 自動貼裝頭變換器系統，充足的SMD容量

貼裝頭適當的分類結合自動變換頭系統可使M580能貼裝從1005元器件到BGA，SOT，插座，MELF，異型元件及0.3mm間距的QFP元件，直到最大的50mmX50mm元器件。

Automatic Head Changers,Full SMD Capability

A modest assortment of module heads, combined with the automatic head changer mechanism, allow the M580III to handle the entire range of SMD from 1005 chips to BGA, Connectors, Melf ,odd-shaped devices and 0.3mm pitch QFP component maximum size 50mmX50mm.

- 穩定可靠的工業控制系統及Windows操作系統

簡化式編程方法，提供了用戶簡易界面，更容易設定機器的操作程式。

Simplifies the programming task and provides for an operator-friendly,It's easy to setup machine operation.Stable and Secure Industrial Controller, Windows-Based Operating,System

- 單視覺拾放系統

配置視覺系統，可用于更細微間距的QFP和BGA元件的全視覺放置。

Full Vision System

vision system is equipped for full vision placement of the fine pitch QFPand BGA components.

- 全視覺拾放系統

配置多鏡頭視覺系統 (TRI-CAM)，可用于從1005chip到更細微間距的QFP和BGA元件的全視覺放置。

Full Vision System

A multi-camera vision system(TRI-CAM) is equipped for full vision placement of all devices from 1005 chips to fine pitch QFPand BGA components.



■ 高速度，高精度

利用MPI貼裝頭每小時可拾放11,000個元件，若配置TRI-CAM則能在±0.04mm的精確標準上每小時拾放6000個，并能操作超精細間距0.3mm的QFP元件。

High speed ,High precision

MPI'S module can place up to 11,000 components per hour,and if it's used in conjunction with TRI-CAM,which place 6000 components per hour at±0.04mm accuracy levels and is able to handle ultra-fine pitch 0.3mm QFP devices.



■ 獨立，水平對中系統

MPI貼裝頭的設計提供了兩對互不制約的中心夾以獨立，高速的動作進行低壓力，水平的運動。

Single, Horizontal Squaring System

The MPI'S patented design of the M.H. provides low-stress, horizontal motion by two, independent pairs of squaring jaws;all in a single, high-speed actuation

各種送料器及可選附件 Feeders and Optional Accessories



- 8/12/16/24/44/56mm的帶裝送料器，數控電動帶裝送料器底座最大可容納96種元件類型（8mm）帶裝料架

8/12/16/24/32/44/56mm tape,the digitally-controlled electronic tape feeder base can accept 96 component types (on 8mm tape feeder)



- 可選的自動IC托盤AT600，能够操作10種不同的IC元件，并可自動任意地選擇。

The optional Auto Tray Changer At600 is able to handle up to 10 different device grid trays for random access and automatic loading and unloading of grid tray mounted SMDs.

- 隨意安裝的可調節手動盤裝IC盤，最大盤裝尺寸為180X335mm

Adjustable grid tray holders for manual loading and unloading,max.grid tray 180X335mm.



- 為各種SOP, SOJ和LCC管包裝元件而用的管裝送料器，最大容量為120條管裝料（24個單獨管裝送料器）

Stick feeders for the full range of SOP,SOJ and PLCC tube packging ,maximum capacity of 120 plastic stick tubes (on 24 individua stick feeders).

技術參數 Specification

| | |
|------------------------------|--|
| 型號 Model | M580 |
| 全視覺定位(Placement Rate) | 0.55sec/6500cph |
| 貼裝頭定位(Placement Rate) | 0.33sec/11,000cph |
| 最大元件高度(Max.Component Height) | 9.5mm |
| 視覺放置精確度(Vision Accuracy) | 0.03mm |
| 貼裝頭放置精確度(M.H Accuracy) | 0.08mm |
| 最小間距視覺系統 (Vision Min.Pitch) | 0.3mm |
| 機械系統(Mechanical Min. Pitch) | 0.65mm |
| 視覺系統執行類型(Processing Type) | cognex SMD recognition system |
| X-Y驅動系統(X-Y Drive System) | high performance AC servo motor precision ball screw |
| X-Y軸重復精度(Repeatability) | ±0.02mm |
| Z軸驅動系統(Z Drive System) | high performance stepper motor |
| Z軸分辨率(Reslution) | 0.01mm |
| Z軸行程(Stroke) | 20mm |
| R轉角驅動系統(R Drive System) | high performance stepper motor |
| R轉角分辨率 (Resolution) | 0.01° /pulse |
| R轉角範圍(Range) | 0~360° |
| 最大線路板尺寸(Max.PCB Size WXL) | 400mmX450mm |
| 最小線路板尺寸(Min.PCB Size WXL) | 40mmX50mm |
| 線路板厚度(PCB Thickness) | 0.5mm~4.0mm |
| 傳送帶高度(Conveyor Height) | Adjustsble,900mm |
| 傳送帶速度 (Conveyor Speed) | 200mm/sec |
| 料帶容量(Tape Feeder Capacity) | 96個 (8mm tape feeders) |
| 料管容量(Stike Feeder Capacity) | 120tube,(24 stick feeders) |
| 電壓(Voltage) | 220V AC |
| 所需空氣壓力(Air Requirements) | 6~6kg/cm² (85~125psi) |
| 空氣消耗量(Air Consumption) | 150L/min (5.5CFM) |
| 主體結構尺寸(Dimensions LXWXH) | 1300X1100X1350mm |
| 重量(Weight) | approx.1000kg |



專業制作表面貼裝設備·生產自動化整體解決方案
SMT Factory Automation Total Solution



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