



宜品 熱熔膠封裝射出機

Epimx Packaging Injection Machine



世界第一部直接以精準動力射出的熱熔膠封裝射出機
The First Packaging Injection Machine Driven by Precise Power Directly

封裝射出和開關模伺服馬達動力 射座和托模氣壓動力
Servo Motor for Packaging Injection and Mold Clamping / Opening
Air Pressure for Injection Unit and Ejector

日本電腦機電整合精準控制射出能量 可以極低壓封裝任何形狀的產品
Precise injection controlled by Japanese computer
can package any shapes of products by extremely low injection pressure

3 年保固 3 Years Guarantee

發明專利
Invention patent

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宜品熱熔膠封裝射出機的技術優勢

宜品熱熔膠封裝射出機，是世界第一部以柱塞射出方式進行熱熔膠封裝的射出機（發明及創新專利）不同於以往利用液態泵浦擠壓進模具的押出封裝方式，配合精準的伺服馬達以及電腦演算，可將射出能量依產品封裝需要作任意動力組合，配合伺服動力的精準鎖模控制，讓熱熔膠的封裝更精準、更容易，最精銳的技術和最專業的服務，是您最具競爭力的合作夥伴。

Technique advantage of Epimx packaging injection machine

The Epimx is the very first packaging injection machine using plunger injection system (Invention and design patents), unlike conventional packaging machine using pump for packaging, by precise servo motor and computer calculations allowed user to set parameter for different kinds of products, with precise clamping unit controlled by servo motor that makes packaging injection more precise, and easier.

Epimx is your best choice that provides the most precise techniques and deliver the best service.

	宜品封裝機 Epimx Packaging Machine	傳統封裝機 Traditional Packaging Machine
封裝工法 Packaging style	射出 Injection style	押出 Extruder style
封裝動力型式 Packaging power type	伺服馬達 Sevor motor	液態泵浦 Pump
封裝動力調整 Packaging power adjustment	射出 壓力速度3段 / 保壓 壓力速度2段 3 stages injection / 2 stages holding pressure	扭力1段 1 stage torque
開關模動力模式 Clamping power type	伺服馬達 Sevor motor	氣壓 Air pressure
電熱段數 Heat stage	料管1段 / 噴嘴1段 / 料桶2段 barrel 1 set / nozzle 1set / tank 2 set	料管1段 / 料桶1段 barrel 1 set / tank 1 set

宜品熱熔膠封裝射出機的多元應用

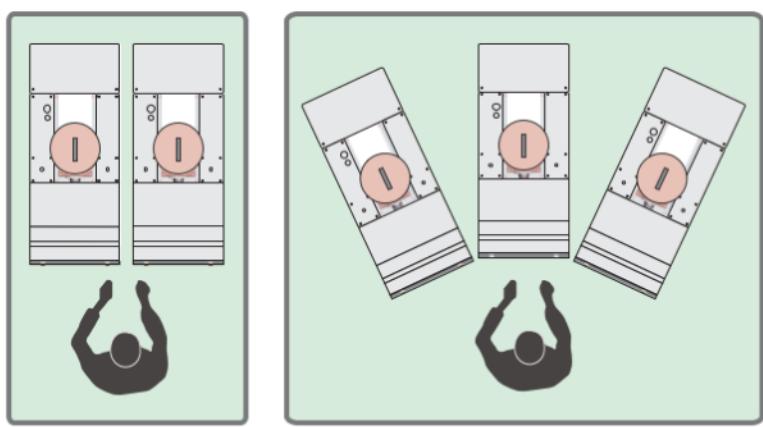
宜品以功能齊全的標準機來滿足最廣泛的應用需求，減少客戶購置機種的浪費，最窄的機身可以節省空間，也可以將兩台或三台機並排，即可滿足一人操作多機的需求，不必另購多工的機種。在客戶特殊需求的量身訂做方面，宜品具有絕佳的研發能力，能滿足客戶長期使用的多元應用需求，絕對是您長期合作的最佳夥伴。

Diversified application of Epimx packaging machine

With full standard functions to apply widely application requirements, saved customers' expenses from purchasing machine for different needs; saved the working space by extreme narrowed width, one operator can operate 2 or 3 machine at the same time with side by side placement.

Epimx own a great R&D team to satisfy customer needs for any application and customized products. We will be your best partner in the long term relationship.

■ 最窄的機身設計，可多機一人操作



■ Multiple machines could be controlled by only one operator with its extreme narrowed width machine design.

絕緣
insulation

防水
water proof

防塵
dust proof

防震
shock proof

防汙染
pollution proof

耐候性
weatherability

宜品熱熔膠封裝射出工法，是將固態熱熔膠粒以電熱熔化成液態後，再以電腦控制的動力利用柱塞射出的方式，將熱熔膠經澆道射進埋入電子零件的產品，待冷卻後即成為平整的封裝狀態，是一種具備精準低壓控制、快速冷卻成型、不破壞敏感電子零件的高效率封裝方法，有效降低生產成本，並能使產品確實達到絕緣、防水、防塵、防震、防污染、耐候性等目標。

Epimx Hot melt adhesive packaging injection method

Epimx hot melt adhesive packaging injection method is to melt solid adhesive granule into liquid status by electric heating then injected by computer controlled plunger into package inserted electronic device, after cooling, it turns into a flat package status.

The features are precise low pressure control, fast cooling molding, high efficiency with low product cost. It can reach the insulation, water proof, dust proof, shock proof, pollution proof and weatherability requirements.

熱熔膠簡介

熱熔膠(HMA)是無揮發性的黏著性塑料，常溫為固態，熔融後成為穩定不易碳化的膠狀液體，固化後收縮率極低可完全黏著於大多數材質的產品，可以廣泛使用於汽車、電子、醫療業之感測器和防水件之封裝，也可使用在PC板的部分防護封裝，比傳統環氧樹脂手工點膠方式更快速、不佔地方、精密、防震，已成為封裝的新塑材。

Introduction of hot melt adhesive

Hot melt adhesive is resin with no volatilize, solid status in normal temperature, after melting, it becomes stable and hard to carbonized adhesive. After cured, the adhesion is widely used in auto, electric, medical industry application for sensor and water-proof packaging. For PC usage, it could be the protection packaging that is faster, more precise in a small working station than traditional dispensing process and has become the new material for packaging process.

宜品熱熔膠封裝機的特色 Features

置入產品於模具中
product inserted into the mold

關模射出
mold clam / injection

冷卻開模
cooling / mold open

托模
ejector

取出產品
finish

- 1~50bar的超低壓射出壓力，絕不破壞電子零件
- 1~15KN超低鎖模壓力，絕不傷害產品
- 150~220度低溫熱熔膠，不會破壞晶片性能
- 封裝採伺服馬達動力射出方式，配合日本電腦輸出動力穩定確保封裝品質
- 開關模伺服馬達動力，行進穩定精確控制排氣
- 10~60秒快速生產週期，降低封裝成本
- 取出產品即可包裝，不會佔據廣大排列空間
- 採用日本伺服馬達及電腦，精密耐用

- 1~50 bar extreme low inj. pressure, electric device never breaks.
- 1~15 KN clamping force for protecting products.
- 150~220 °C low temperature melt adhesive, chip never breaks.
- High packaging quality by servo motor inj. and JPN computer control system.
- Servo motor for clamping unit, stable action and precise control mold venting.
- 10~60 second cycle time reduce packaging cost.
- Product packaged after taking out from the machine, save more space.
- Precise and durable by using JPN servo motor and computer.

- 立式伺服鎖模方式
- 水平分模線射出工法
- 伺服馬達動力和氣壓動力系統
- 15吋TFT-LCD全彩觸控式螢幕控制器
- 三段射出及二段保壓精密控制，附500組模組記憶功能
- 伺服馬達動力射出工法，最精準封裝品質
- 安全光柵與雙啟動開關，安全防護最完善

- vertical servo motor clamping system.
- Horizontal parting line injection system.
- Servo motor and air pressure system.
- 15" full color TFT-LCD touch panel controller.
- 3 stages injection 2 stage holding pressure and 500 mold data can be saved.
- All-electric injection system, the most precise packaging quality.
- Dual protection of restart button and safety light curtains.

精密 *Precision*

創新 *Innovation*

節能 *Energy-saving*

環保 *Environmental*



宜品股份有限公司

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EP series			EP15-D35(固定模)	EP15-D35(雙滑板)
射出單元	射出模式	injection mode		立式關模 / 臥式射出 vertical clamping / horizontal injection
	柱塞直徑	plunger diameter	mm	35
	射出容積	injection volume	cm ³	96
	射出效率	injection rate	cm ³ /s	38.5
	射出壓力	injection pressure	kgf/cm ²	50
	射出速度	Injection speed	mm/s	40
	射座行程	nozzle stroke	mm	120
開關模單元	噴嘴高度	nozzle hight	mm	65-150
	最大鎖模力	max. clamping force	kn/tonf	15/1.53
	支柱內距	max. mold dimension	mm	360
	模板尺寸	platen dimension	mm	450 x 200
	滑板行程	slide table stroke	mm	N/A
	滑板尺寸	slide table dimension	mm	N/A
	最小模厚	min. mold thickness	mm	105
	最大模厚	max. mold thickness	mm	350
	脫模力/行程	ejector force/stroke	ton/mm	0.12 / 50
	電熱段數	heater zone	set	N1 + N2 + H1 + T1
	電熱功率	heater capacity	kw	4
機械尺寸	馬達功率	motor capacity	kw	0.75
	電壓規格	electricity	vac	220 / 1 phase
	機械尺寸	dimension	m(LxWxH)	1.44 x 0.55 x 1.74
	機械重量	weight	ton	0.5