

全球第一部
視覺軌跡設定·四軸伺服控制中後幫機
The World's First
Visual Locus Setting · Four-Axis Servo
Controlled Heel and Side Lasting Machine

五項專利
Five types of patent

SP-666MAS

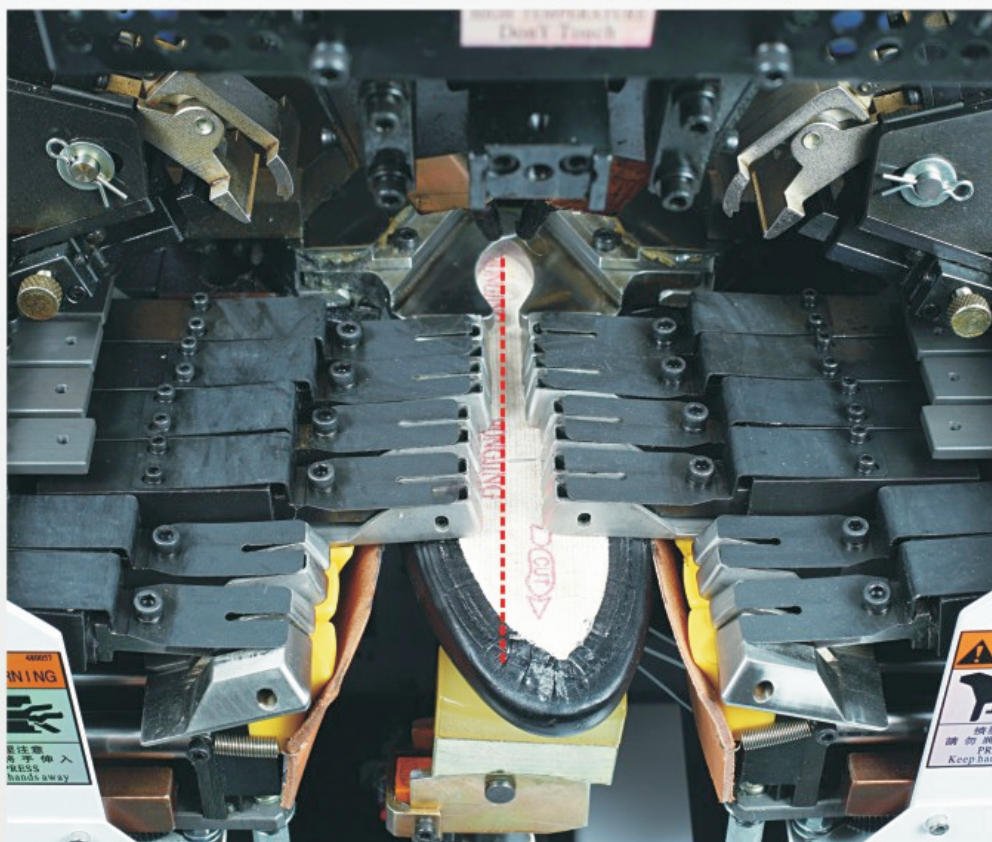
視覺軌跡設定四軸伺服控制中後幫機
Visual Locus Four-Axis Servo Controlled
Heel and Side Lasting Machine

本機外觀專利產品
Newest design and Patented



一部中後幫機能做到極窄內腰鞋型並可自動切換左右腳結幫，至今為止歐、亞洲的中後幫機皆無法達成。（專利產品，請勿仿冒）

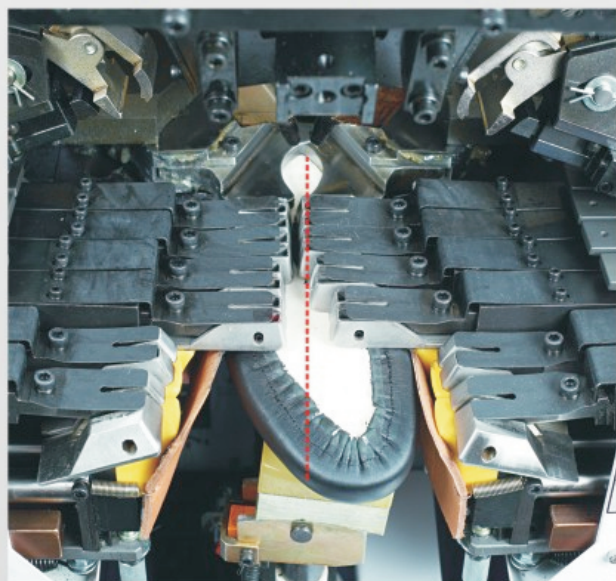
A heel and side lasting machine can last shoe model with extremely narrow shoe waist and change the left and right side of the shoe last automatically, so far it is the first in Europe and Asia.(Patented, all rights reserved)



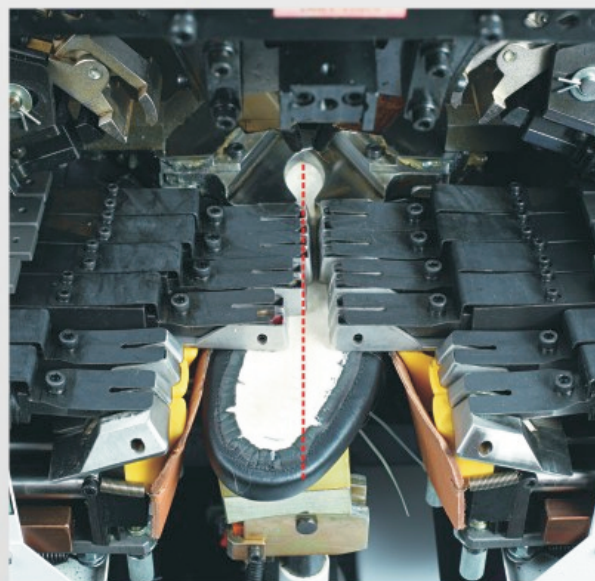
適用於一般鞋型及有鐵芯中底板鞋型
Suitable for normal shoes and shoes with steel shank in insole.

尤其在Lean線，一般的中後幫機遇到極窄內腰鞋型時，需要分左右腳兩台中後幫機分開生產。

Especially on lean production line, it normally needs two heel and side lasting machines for left and right shoes when producing the shoes with extremely narrow shoe waist.



極窄內腰左腳鞋型，右側壓塊推出較多
The left shoes of extremely narrow waist shoe, right side's finger presses extruded more.



極窄內腰右腳鞋型，左側壓塊推出較多
The right shoes of extremely narrow waist shoe, left side's finger presses extruded more.

全球第一部 視覺軌跡設定·四軸伺服控制中後幫機

特點說明

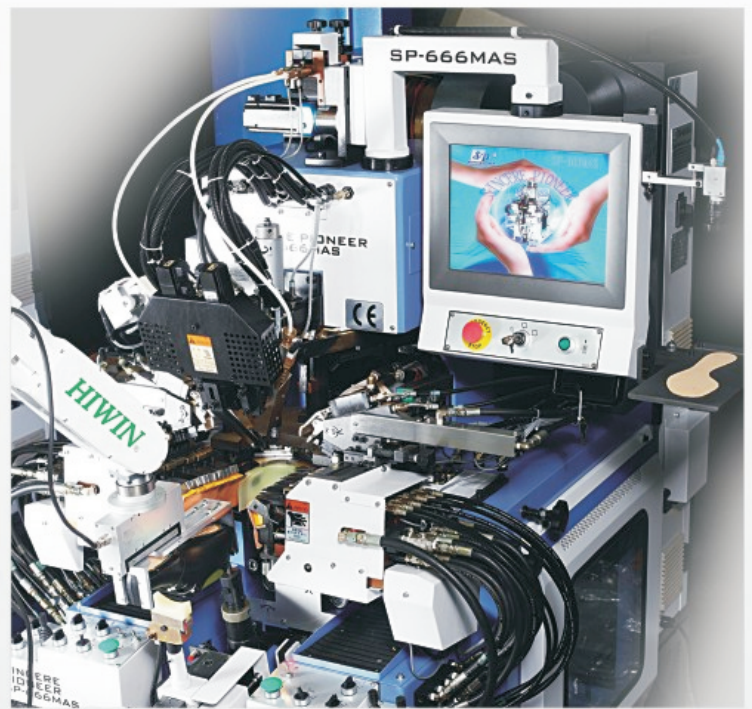
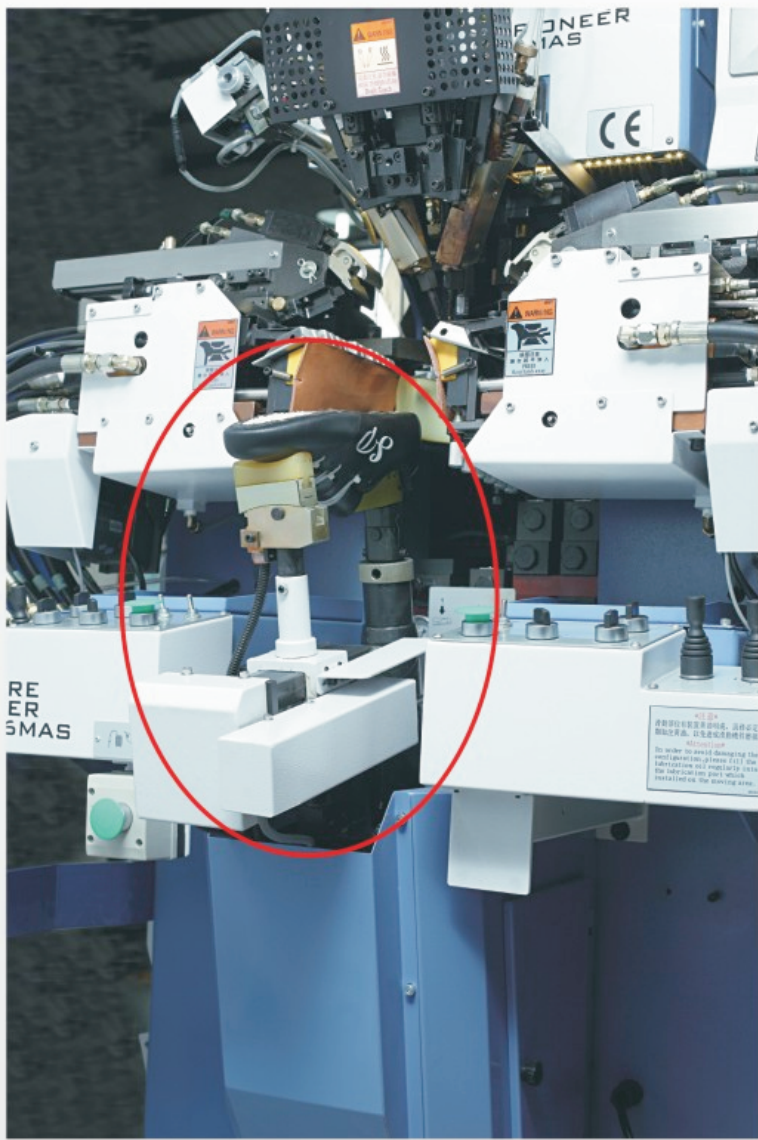
1. **照相形成軌跡**：本機採用全球最先進之視覺科技，中底板拍照後立即自動轉換成擦膠軌跡，擦膠軌跡立即快速級放成全套尺碼，再搭配四軸伺服控制系統作擦膠軌跡之控制，不同於目前同業用中底板形狀由手動點擊座標形成擦膠軌跡的繁複設定，更不需訓練專業人員操作，本機是目前最新科技化、最快速簡便之智慧型中後幫機。**(專利產品)**
2. **快速級放功能**：擦膠軌跡只須取中底板經視覺取像後，電腦系統即可依據取像形成中底板的擦膠軌跡，立即自動級放所有全套尺碼，約2分鐘時間完成全套擦膠軌跡的設定。
3. **伺服送膠系統**：可分三段不同膠量的選擇，可快速調整每一段的送膠量，且有數字依據可正確調整送膠量大小，是全世界最精準的送膠方式。**(專利產品,請勿仿造)**
4. 全球唯一只需一部中後幫機才能夠結幫極窄內腰的左右腳，依照左右腳自動控制指壓塊行程。**(專利產品, 仿冒必究)**
5. 獨特設定的中幫機構，配合三段可調式指推壓力設計，使中幫鞋面在結幫後達到更緊密貼楦的效果，於中幫銜接處更可選用重疊結幫功能，使結幫能更平順且無壓痕，各組指壓塊皆屬獨立控制機構，更可視鞋型大小碼選擇使用組數。
6. 鞋型記憶功能包含：(1) 伺服擦膠軌跡之鞋型記憶 (2) 中幫座仰度之電動位置記憶，含左右腳內外腰不同高度之自動切換 (3) 爪子前後電動調整位置記憶，含左右腳內外腰不同夾持點之自動切換，另可選用爪子夾緊後往前動作再內拉後上拉之功能 (4) 本機可儲存至少300組鞋型記憶。
7. 專利獨特設計撐台機構，可以設定鞋型大小碼，電動並記憶撐台上下與前後位置。**(可搭配 Bar Code或RFID系統使用, 為選購配備, 專利產品)**
8. 擦膠行程調整更以直覺式雷射光照射點調整，僅需調整雷射光點位置即可快速調整所需之上膠長度及壓塊壓著位置，達到調整光點位置即可設定結幫長度。
9. 本機的左右腳結幫由鞋楦放置後即可自動切換左右腳擦膠軌跡，無須另外設定，非常方便。
10. 中幫爪子可直接調整左右間距、上下高度及前後位置，更可直接以電動方式進行同步或單邊調整，並有位置記憶及左右腳自動切換位置功能。
11. 中幫爪子可自動內拉，並可左右同步調整內拉壓力大小，另具備左右獨立寸動操作及內外腰不同高度之自動上拉功能，並可左右腳自動切換。
12. 本機同時具有爪子夾緊後，可往前動作再內拉後上拉之功能。
13. 為更有效達到操作S. O. P標準化生產作業流程，**SP-666MAS**將常用的壓力及速度調整皆移至機台外部即可進行快速調整，使工廠人員安排及操作維護上更為簡便標準，機台內所有油管皆採用無縫鋼管配線，維修更為方便且不易漏油，搭配以上條件可使工廠無後顧之憂地生產出結幫完美的鞋子。
14. 超大15吋彩色觸控螢幕人機，使用圖形化設計操作介面，使操作更簡易方便。
15. 本機有自動上膠功能，送膠方式是伺服送膠，鞋面可不必先行擦膠，可簡化結幫過程，獨特設計之膠臂搭配伺服控制及視覺設定的擦膠路徑，使結幫更為完美。
16. 本機最適合窄內腰的足球鞋、田徑鞋、男鞋、女鞋、登山鞋、工作鞋、高爾夫球鞋、休閒鞋之結幫。
17. 本機外觀經由台灣雲林科技大學精心設計，已申請專利。**(專利產品)**

The World's First

Visual Locus Setting • Four-Axis Servo Controlled Heel and Side Lasting Machine

Features:

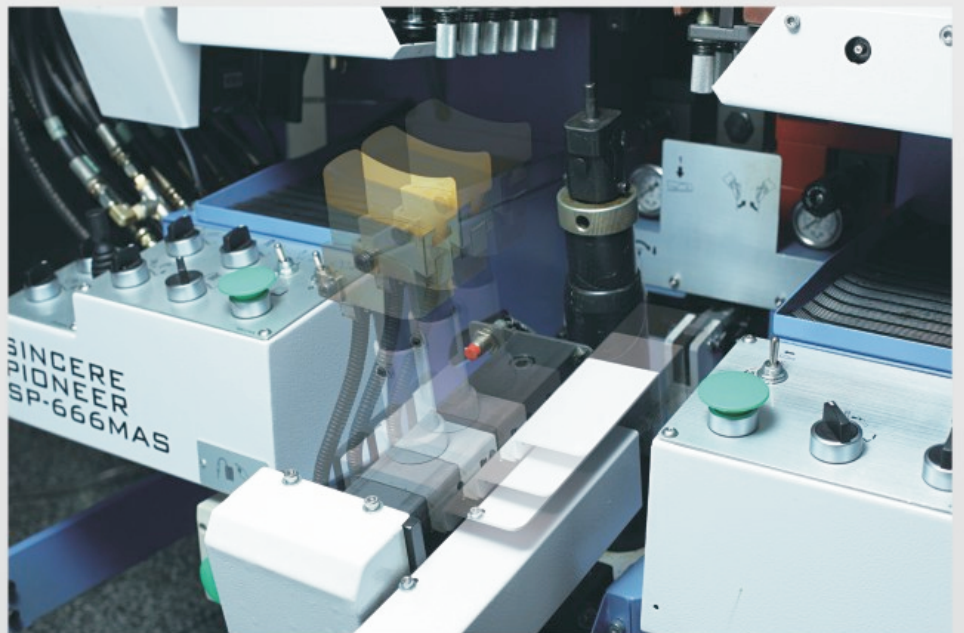
1. Visual Identification Technology: **SP-666MAS** is using the most advanced visual identification technology to format the cementing locus and four-axis servo-controlled cementing system to control two cement nozzles, by taking picture of the insole and it will convert the shape into a proportional cementing path. The heel and side lasting machine from other brands are still using manual set up for coordinate conversion cementing path, **SP-666MAS** is easier to operate and setting up without training a professional operator, **SP-666MAS** is far more hi-tech, intellectual and easier to operate compare with others. **(Patented)**
2. Quick Size-grading Function : The computing system will generated the locus of tracer ' s movement (cementing path) and automatically grading the cementing path to different sizes after visual intelligent scanning proportional sizing takes about 2 minutes.
3. Three sections of cement feeding control could quickly regulate cement quantity for each section with digital display as reference to certain the exact cement quantity. **(Patented)**
4. The first in the worldwide, a heel and side lasting machine can do right side and left side shoes with extremely narrow shoe waist, and it automatically control the position of finger presses according to right side and left side shoes. **(Patented, all rights reserved.)**
5. The unique design of side-pressing mechanism with three adjustable levels for finger-press pressure to make the perfect tension between vamp and last. Selectable double lasting function in the conjunction of heel and side area can make the lasting result perfectly without any wrinkles. Each of finger-press can be controlled independently depending on different sizes of the shoes.
6. Programmability and Parameter Storage : (1) Programmable servo-controlled cementing path ; (2) the angle of side-pressing seat is controlled by motor-driven mechanism according to different height of waist, the angle of side-pressing seat can be memorized with automatic left/right swapping function to adjust the best lasting position ; (3) Pincer is controlled by motor-driven mechanism. The front-rear position of pincer can be memorized with automatic size-grading and left/right swapping function to adjust the best pulling position; (4)**SP-666MAS** equipped 300 sets of parameter storage.
7. With exclusive patent design of last supporter, programmable last supporter could adjust front/rear and height position automatically according to different sizes of shoes. **(Must be cooperated with Bar Code or RFID identification, selective purchasing, Patented)**
8. The cementing length is according to the laser point, for setting the cementing length and numbers of lasting fingers, only need to adjust the laser point by rotating the knob.
9. Auto-detection of left/right foot, after place the shoe last, the mechanisms will adjust to corresponding position and cementing trace automatically..
10. Pincers have both left/right-pulling, up-pulling and forward-pulling functions. The position of up-pulling of inner and outer sides can be set differently, with programmable automatic left/right shoe swapping function.
11. Pincers mechanism equipped automatically inward pulling with synchronized adjustment for left/right pincer ' s pulling pressure and individually inch up-pulling movement with automatically detection of inner waist or outer waist.
12. **SP-666MAS** equipped forward and upward pulling after clamping of pincers.
13. To be fulfilling the standard operating procedure, **SP-666MAS** has set up the pressure and speed adjustment controller outside of the machine with gauges to display all the data which is very convenient for operator as reference to adjust. All the hydraulic oil pipes are using seamless steel pipe, so it will be easy to maintain and no leakage. By using our machine the manufacturer can produce the perfect shoes without any troubles.
14. The 15 inches full coloured HMI screen with user-friendly pattern interface which is easy to learn and operate.
15. **SP-666MAS** equipped unique designed cementing nozzles with programmable servo-controlled visual setting cementing path to simplify the lasting procedure and reduce labour in gluing the vamp.
16. **SP-666MAS** is suitable for producing shoes with narrow waist like football shoes, soccer shoes, golf shoes, snow boots, hiking boots, men ' s shoes, track shoes, safety shoes, casual shoes.
17. Appearance patent by Sincere Pioneer in joint R&D with Taiwan National Yunlin University of Science and Technology. **(Patented)**



中後幫撐台自動調整記憶功能（世界首創），配合Bar Code及RFID辨識方式自動調整鞋型尺寸撐台上下與前後位置。（專利產品，請勿仿冒）

The world's first heel and side lasting machine equipped programmable last supporter, cooperate with Bar Code and RFID identification system to identify different types/sizes of shoes and adjust rear/front and height position of last supporter automatically. (Patented, all rights reserved)

設備必須智能化、才能達到自動化
Equipment have to intelligence so that achieving automation



電腦自動控制並記憶撐台上下位置
Computerized automatic programmable and memorized height position of last supporter

電腦自動控制並記憶撐台前後位置
Computerized automatic programmable and memorized rear and front position of last supporter

今後再也不必為溢膠苦惱了
No worries for cement overflow anymore



伺服送膠是全世界最精準的送膠方式
(專利產品)
Servo-motor feeding system is the most accurate cement feeding system in the worldwide
(Patented)

獨特優點:

1. 可分三段不同膠量的選擇, 可快速調整每一段的送膠量, 且有數字依據可正確調整送膠量
2. 減少溢膠現象
3. 送膠速度變化反應靈敏
4. 比同業品牌更節省膠量降低成本

Features:

1. Three phases of cement quantity selection with number to display cement quantity in each section.
2. Reduce cement overflow.
3. Fast reaction in speed of cement feeding.
4. Compare to other brand, it could reduce cement and cut down cost.



前·中後幫機送膠方式分析
A comparative Analysis of Cement Feeding System

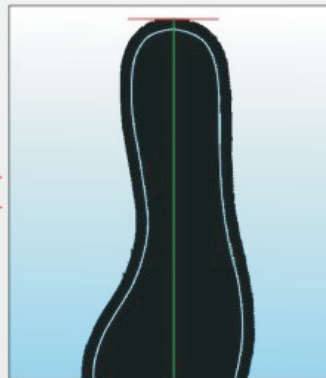
送膠方式 Type of cement feeding	品牌 Brand	優缺點比較 Comparison
伺服送膠 Servo-motor cement feeding	誠鋒 (SP)	<ol style="list-style-type: none"> 1. 全世界最精準的送膠方式控制. 2. 送膠速度變化反應靈敏. 3. 可分三段不同膠量的選控, 可快速調整每一段的送膠量, 且有數字依據可正確調整送膠量. 4. 減少溢膠現象. 5. 比其他品牌更節省膠量, 降低成本. 6. 誠鋒專利產品. <ol style="list-style-type: none"> 1. It is the most accurate cement feeding method. 2. Fast reaction in speed of cement feeding. 3. Three phases of cement quantity selection with number to display cement quantity in each section. 4. Reduce cement overflow. 5. Compare to other brand, it could reduce cement and cut down cost. 6. Patented.
變頻送膠 Frequency conversion cement feeding	益○ (E○)	<ol style="list-style-type: none"> 1. 送膠速度變化較遲鈍. 2. 設定較為麻煩. 3. 無法分三段不同膠量選控 (只有一段速度). 4. 溢膠現象比一般送膠方式的溢膠情況稍好, 但比不上伺服送膠來的精準. <ol style="list-style-type: none"> 1. Slow reaction in speed of cement feeding. 2. Complicated setting. 3. Only one phase of cement quantity selection. 4. Cement overflow is less than normal cement feeding but not as good as servo-control.
一般送膠 Traditional cement feeding	全○ (C○) 奇○ (Q○) 大○ (D○) 德○隆 (D○)	<ol style="list-style-type: none"> 1. 一般送膠方式分為油壓送膠方式與馬達送膠方式, 油壓送膠方式會受油溫影響, 馬達送膠方式會受電壓高低影響, 兩者都會影響到送膠速度, 從而影響到送膠量不穩定. 2. 有溢膠現象, 還必須有專人清除溢膠的殘物, 沒清乾淨時, 鞋子穿起來就會不舒服. 3. 有溢膠現象, 成本較高. 4. 一般較會斷膠. 5. 送膠速度不穩定, 造成膠量控制不穩定. <ol style="list-style-type: none"> 1. Traditional cement feedings are hydraulic feeding and motor driven feeding, both are unstable and affect by temperature and voltage . 2. Need to assign workers to remove cement overflow to remain comfort of wearing the shoe. 3. Cement overflow will increase cost. 4. Unstable cementing continuity. 5. Unstable cement feeding speed with unstable cement quantity.



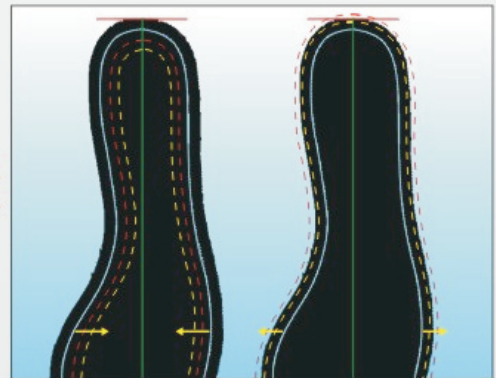
伺服送膠系統精確掌控多段膠量
servo-motor feeding system controls precise cement quantity for each sections.



1. 先照相中底板
Take a picture of insole



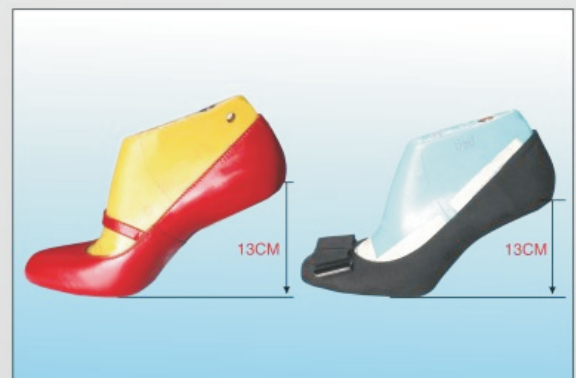
2. 擦膠軌跡立即形成
Configuring the cementing trace



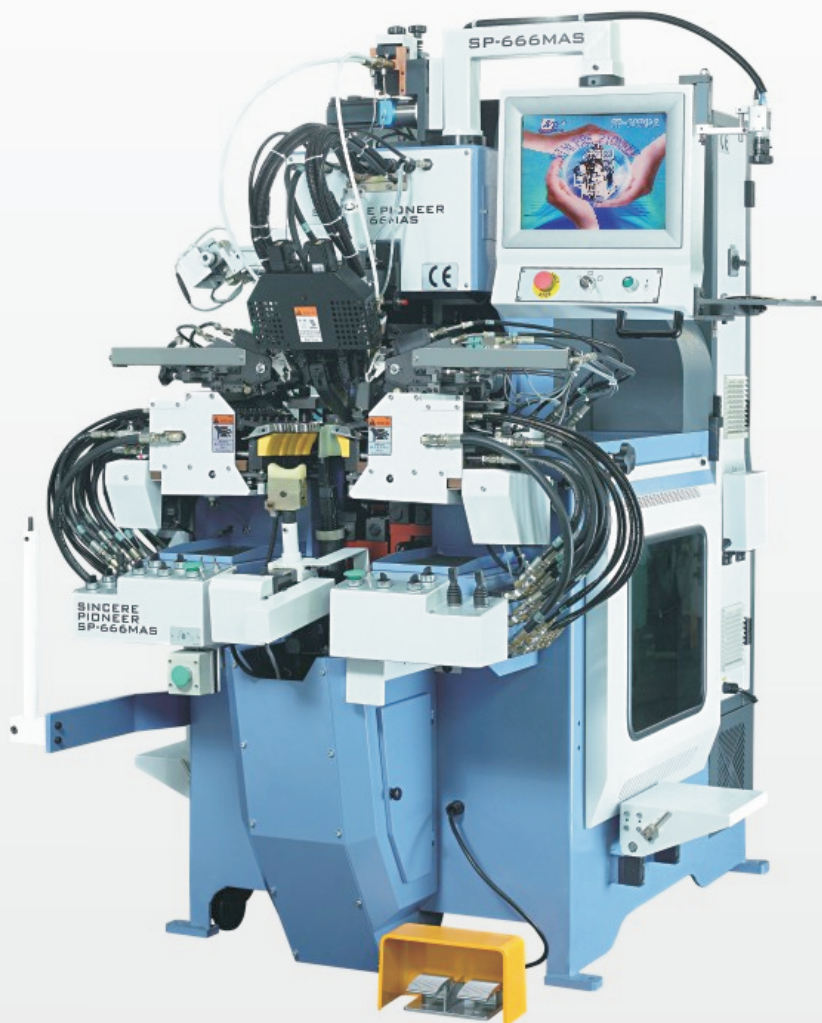
3. 約2分鐘可完成整套尺碼自動級放與擦膠軌跡設定完成
Generating whole set of cementing trace and proportional sizing within 2 minutes



窄內腰的足球鞋、田徑鞋
Shoes with narrow waist for Soccer shoes, Track shoes



適合高跟女鞋
Suitable for high heeled lady shoes



窄內腰的足球鞋、田徑鞋
Shoes with narrow waist for
Soccer shoes, Track shoes



高跟女鞋
High heeled lady shoes

型號 Model	SP-666MAS
馬力 Power	3.3 KW (4.5HP)
電熱 Heating Power	1.5 KW
使用壓力 Hydraulic Pressure	50 kg/cm ²
產量 Productivity	1300~1600 pairs / 8 hours
淨重 N.W.	1110 kg
毛重 G.W.	出貨時提供/Be provided before shipment
機械尺寸 Dimension (L×W×H)	1650(L)×1350(W)×2000(H)mm
包裝尺寸 Packing Size(L×W×H)	1750(L)×1450(W)×2300(H)mm
液壓油量 Hydraulic Oil Capacity	105 liters

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