



Single Knit Auto Striper
Circular Knitting Machine(Multi-Feeder)

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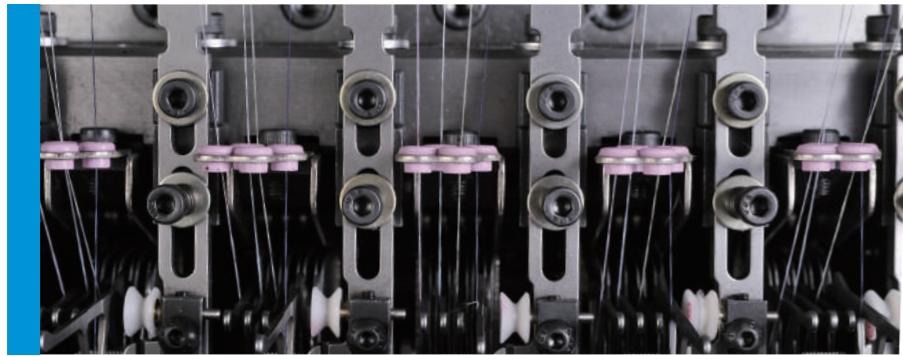
PAI LUNG



Knitel Series

Single Knit
Single Knit Auto Striper
Circular Knitting Machine(Multi-Feeder)
單面多口數彩條圓筒針織機

PL-KSCS-M



Products Introduction

Pai Lung's striper "Multiple feeder system" is an era name but may not need much introduction. The feeder system number has described all already. It stands for high performance, high output, and high technology of its outstanding design.

As Pai Lung striper machine combines important elements: output, technology and soul. With practical customer survey, many statistical control processes and leading edge disciplines to make sure this latest striper unit can be slim but act agile. The mechanism of the striper unit has a refined design for cutting & trapping yarn to achieve the selection loss free in running. Advantage of this striper units dial can be moved up and down by electrical power easily, which really helps the customers who have to change different gauge cylinders frequently. Besides, the whole new knit cam design is also revolutionary, using the new knit cam design can reduce the fabric-edge needle from 2" into 1" and also reduce the possibility of fiber debris contamination.

The striper system is controlled by a LCD touch panel programmer. It includes the fill input function of the new striper program and revision ; one controller memory device and a portable IC card are able to save striper programs without

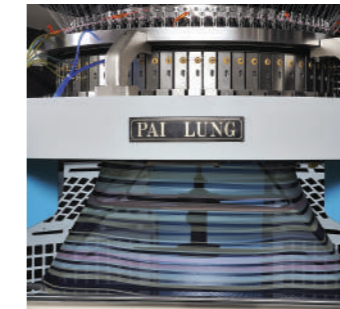
loss. Additionally, the machine is equipped with several additional high value protection apparatuses like the voltage stabilizer and UPS (un-interruptible power system) for any unpredicted problems.

Not only good at production, especially in elastic yarn plating, this model also can support pique pattern structure in less RPM. Two-finger together function is offered in the striping control.

With the excellent heritage in the striper development, we believe Pai Lung's latest Multiple-feeder striper machine, will be above the satisfaction the industry has been.

Model Chart:

MODEL	TRACK	DIA	GAUGE
PL-KSCS4-M	4	26"~40"	14G~36G
PL-KSCS6-M	4	26"~38"	18G~28G



產品介紹

PL-KSCS-M

佰龍公司在臥式龍頭的電子控制彩條機之系統上，20多年以來已建立一定之典範，提供全球無數客戶在此專業領域上生產所需。然而佰龍不斷依時代脈動而創新，充分體會到客戶所重視的市場趨勢。最新發表的多路數系統，強調簡易維修之臥式龍頭設計，充分發揮本系統高產量之優勢，並提供最新的設計科技工藝，勢必建立臥式系統彩條機新趨勢。

經過重新洗鍊及潛心設計，全新設計的新式臥式龍頭的換紗板及活動刀板，增加了織造時的穩定性以及加強了紗線的適織性，除此之外龍頭不易受棉絮雜質侵入之影響，可以有效免除誤動問題之困擾，同時延長清車週期。搭配臥式龍頭上盤可以升降之優點，可以快速更換不同針距之針筒，對不同規格批量生產的使用者可以發揮最佳生產效益。另外，在山角方面也推出嶄新的設計，藉由新版的出針山角設計，將使得布邊針寬度從原本的2吋減少至1吋，也能有效減少紗尾被織入的風險。因此佰龍新式龍頭設計演化而出的多路數系統，遠高於市面一般提供之同色機種，將生產效率一舉提升至全新境界。

本機台為四路跑道之架構，除生產一般彩條平布及珠地組織等。程式設計可以同時雙出換紗板以達到織造雙紗之效果。

配備廢紗吸取裝置，減少操作上飛紗汙染。根據不同市場，佰龍可以提供18G 到28G 機型的範圍以滿足客戶之需求。本機可以配合K系統開幅系統，為布面質量作最佳準備。

採用最新佰龍Knitel科技-架構下，強化織造核心零件品質及各項功能，更可使全機高速運轉時得以順暢平穩。使用電腦控制自動變色系統，客戶只需由LCD觸控螢幕輸入圖案資料，彩條圖形設計及修改皆可在機身之電腦控制面板上進行。圖案資料輸入後，即會被保存於記憶體或IC卡內。而機台亦具備高價值電壓穩壓裝置，避免復電時突波影響系統。而另一UPS不斷電系統之提供，提供瞬間停電時資料之保存。

佰龍彩條機系列之發展演進，展現瞭解客戶的用心更得見掌握未來的風範。

機種規格衍生及織物特性:

機型	跑道數	針筒直徑	針距範圍
PL-KSCS4-M	4	26"~40"	14G~36G
PL-KSCS6-M	4	26"~38"	18G~28G

K Pai Lung K-series
Single Knit

Applications



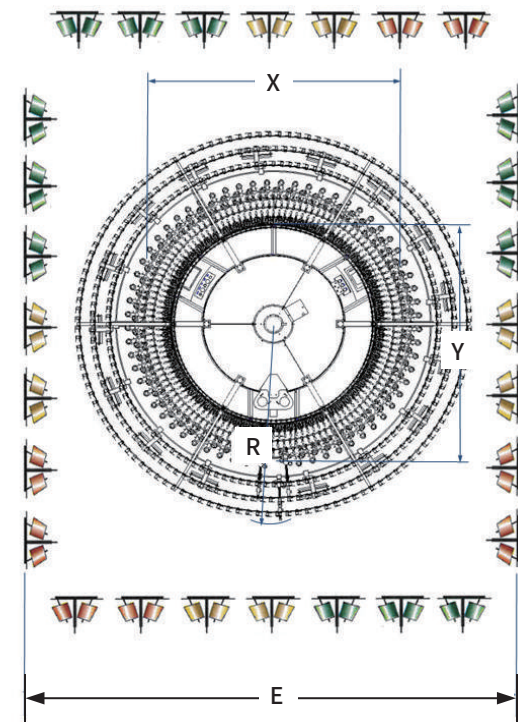
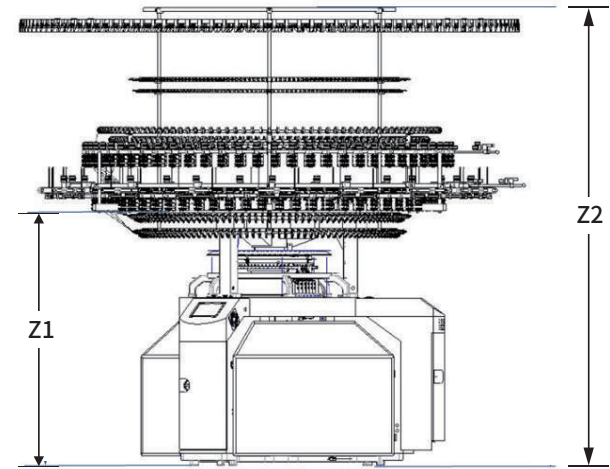
Feeder No. 口數

Dia	PL-KSCS4-M	PL-KSCS6-M
26"	60FX4	42FX6
28"	62FX4	44FX6
30"	72FX4	48FX6
32"	72FX4	52FX6
34"	72FX4	54FX6
36"	84FX4	58FX6
38"	84FX4	62FX6
40"	84FX4	64FX6

Production 產量

Dia. 直徑	Gauge. 針距	R.P.M. 轉速	Yarn 紗種	Weight 重量 (g/m ²)	Width 幅寬	Pai Lung Pattern no. 佰龍布樣號碼
30"X72F	36	16	Polyester 75D/72F DTY	70	62"	10DBZ098A
30"X72F	36	15	Polyester 75D/72F DTY	75	61"	10DBZ099A

Dimensions 機台外觀尺寸圖














TF	X	Y	R	Z1	Z2	E
25"~30"	1885	2200	1617	1912	3433	5174
31"~34"	2035	2370	1682	1912	3433	5304
35"~40"	2177	2531	1762	1912	3433	5464

- Above specification may be changed without notice.
- Investigating management software does not include factory layout.
- 以上規格配備若有變更，無法先行通知，仍以實體為準。
- 客戶需自行購買配合整廠管理所需之配線。

Dimensional drawings

Basic Configuration

	標準配備	選項配備
 控制介面	<ul style="list-style-type: none"> - 數據顯示控制面板 • 三班制工作計數, 機台轉速, 布量預控設定 • 異常停機原因顯示 • 一般操作及緊急停止按鈕 	<ul style="list-style-type: none"> - 整合式觸控功能液晶螢幕 • 完整提供所有操作狀況及數據顯示 • RS-485 介面可結合監控系統POMS • Decotex 連接埠
 電源	<ul style="list-style-type: none"> - 380V, 50/60 Hz - 2.2Kw/3Hp - 3.7Kw/5Hp - 5.5Kw/7.5Hp - 7.3Kw/10Hp - 變頻傳動控制裝置 	<ul style="list-style-type: none"> - 220V, 50/60Hz - 415~460V, 50/60Hz
 捲布裝置	<ul style="list-style-type: none"> - 佰龍機械式捲布機 - 均衡張力方形撐布架裝置 	<ul style="list-style-type: none"> - 馬達式捲布機 - 摺布/捲布兩用捲取機 - 開幅剖布/捲布裝置 - 泳立機械式變速捲布機
 織針及沉降片	<ul style="list-style-type: none"> - 1~2 段短針 - 佰龍沉降片 	<ul style="list-style-type: none"> - 1~4 段長針, 依客戶需求提供
 三角配置	<ul style="list-style-type: none"> - 2 段跑道三角配置 - 密閉型三角設計 	<ul style="list-style-type: none"> - 四段跑道三角配置, 依客戶需求提供配置 - 依針距不同提供三角版本
 儲紗裝置	<ul style="list-style-type: none"> - 彩條專用送紗器 	<ul style="list-style-type: none"> - 氨輪輸紗器 MER3 - 依客戶需求提供其他形式儲紗裝置
 機架	<ul style="list-style-type: none"> - 佰龍 K 系列機盤 - 浸油潤滑四鋼線軸承 - 逆時鐘轉向運轉下布 	
 喂紗嘴	<ul style="list-style-type: none"> - 彩條喂紗舌片(無氨綸) 	<ul style="list-style-type: none"> - 氨綸添紗裝置
 噴油機	<ul style="list-style-type: none"> - Pulsonic 5.2 脈衝式壓力噴油機 	<ul style="list-style-type: none"> - Uniwave 噴霧式噴油機 - 佰龍噴霧式噴油機
 紗架	<ul style="list-style-type: none"> - 四面組合開放式落地紗架 	<ul style="list-style-type: none"> - 四面組合式 PVC 風管落地紗架 - 頂篷式紗架 - 風扇除絮型風扇紗架
 其他	<ul style="list-style-type: none"> - 壞針或布面破洞自停裝置 - 機架及布面照明裝置 - 上段風扇吹絮裝置 - 針筒座高度規 - 壓縮空氣最低需求: 6 bar, 250 l/min - 中央布目疏密調整裝置 - 整體龍頭電動升降裝置 	<ul style="list-style-type: none"> - 美名格上段風扇吹絮 - 整合式液晶螢幕觸控螢幕可連結以下裝置: <ul style="list-style-type: none"> • POMS 佰龍線上監控系統 • Decotex 送紗長測量儀(提供 2 組傳送皮帶紗長數據, 可依需求增加到 8 組數據) • 電子中央布目調整裝置 • 電子皮帶轉輪控制裝置

	Standard	Options
 Control	<ul style="list-style-type: none"> - Digital control panel • 3 shift counter, rpm, fabric roll per-set, & working hr. • Stop reason indication. • Emergency & control buttons 	<ul style="list-style-type: none"> - Integrated LCD touch control panel • Full info & control present • Ready for POMS • Ready for Decotex
 Power	<ul style="list-style-type: none"> - 380V, 50/60Hz, - 3.7Kw/5Hp - 5.5Kw/7.5Hp - 7.3Kw/10Hp - Inverter power control 	<ul style="list-style-type: none"> - 220V, 50/60Hz - 415~460V, 50/60Hz
 Take - up	<ul style="list-style-type: none"> - Pai Lung mechanical take up system - Cadratex fabric spreader - Standard fabric roll dia' 17" 	<ul style="list-style-type: none"> - Motor take up system - Folding/rolling take up system - Open width take up system - Yung Leader mechanical take up system
 Needle	<ul style="list-style-type: none"> - 2 track cylinder needles - 1 set sinkers 	<ul style="list-style-type: none"> - 4track cylinder needles - Spare sinker&needle as request
 Camming	<ul style="list-style-type: none"> - 2 track cylinder cam arrangement - Cam positioning by pin 	<ul style="list-style-type: none"> - 4 track cylinder cam arrangement - Cam arrangement depends on request - Cam version is different depend on gauge
 Yarn storage	<ul style="list-style-type: none"> - Striper feeding system 	<ul style="list-style-type: none"> - Elastane roller MER3 - Other brand feeders on request
 Frame	<ul style="list-style-type: none"> - Pai Lung K frame - Oil-bathed wire bearing system - Counter - Clockwise direction 	
 Yarn carries	<ul style="list-style-type: none"> - Striper - Used yarn carrier 	<ul style="list-style-type: none"> - Spandex attachment
 Oiler	<ul style="list-style-type: none"> - Pulsonic 5.2 pressure oiler 	<ul style="list-style-type: none"> - Uniwave misty oiler - Pai Lung misty oiler
 Creels	<ul style="list-style-type: none"> - Open side stand creels 	<ul style="list-style-type: none"> - PVC tube side stand creels - Filter creels
 Others	<ul style="list-style-type: none"> - Needle detectors - Lighting on frame & fabrics - Top fans system - Cylinder height gauge - Min compressed air : 6 bar, 250 l/min - Central stitch adjustment - Striper units elevating system 	<ul style="list-style-type: none"> - Fabric scanners - Memminger top fan system - Integrated LCD control system can be added: <ul style="list-style-type: none"> • POMS on-line monitoring • Decotex port(ready for 2 yarn feeding length figures, and can be added to 8 figures • Electronic central stitch control • Electronic tape speed control