

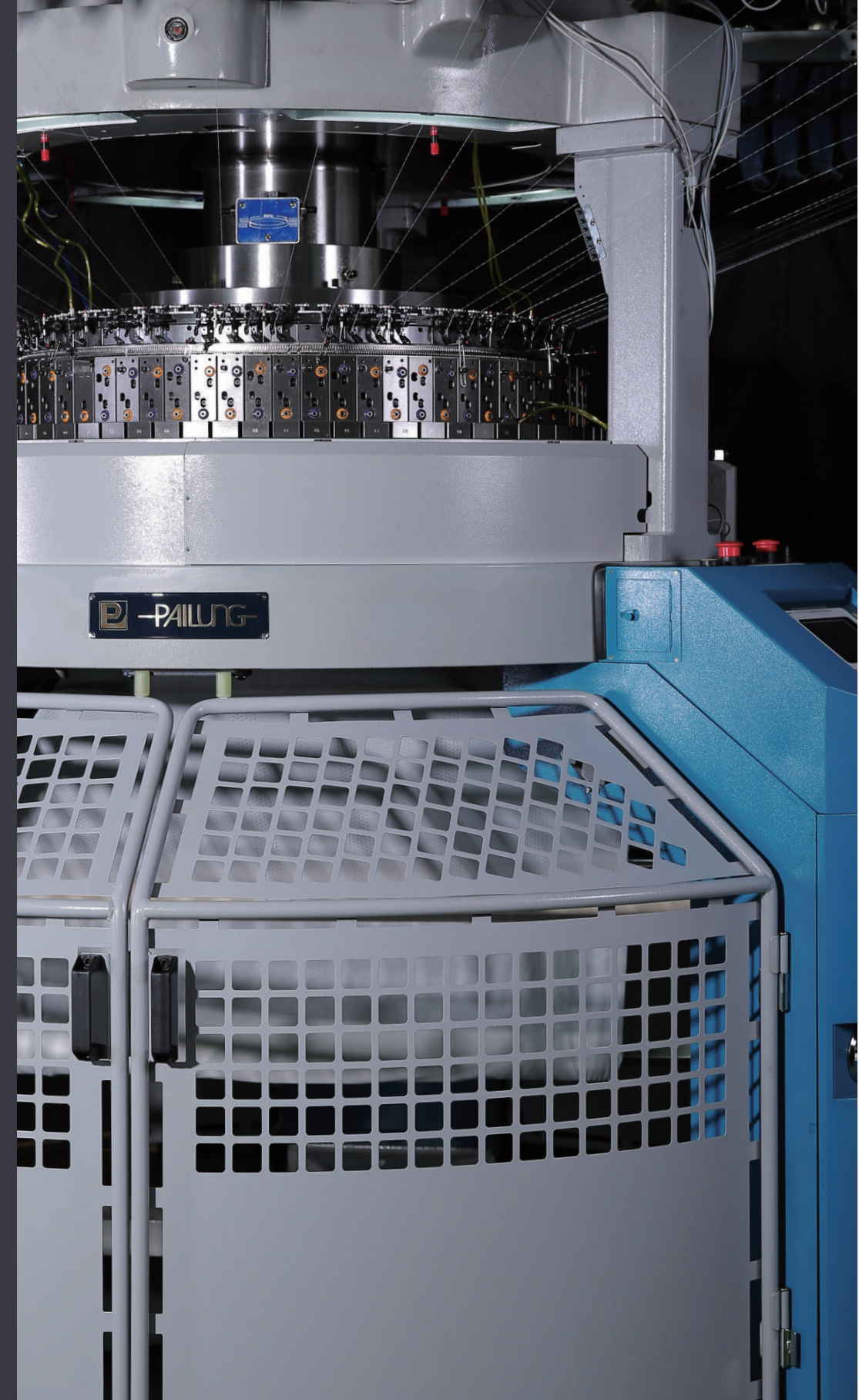


Rib-Mesh Transferred Electronic
Jacquard Knitting Machine(Multi-Feeder)

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THE FABRIC
OF INNOVATION

PAILUNG



Knitel Series

Double Knit

Rib-Mesh Transferred Electronic
Jacquard Knitting Machine(Multi-Feeder)

羅紋移圈電子選針多口數大提花圓筒針織機 PL-KRT2.5CJ



Products Introduction

K-Series is the product of accumulation from many years of research, developments and manufacturing experiences. Also combined with actual operating parameters from end users. Many detailed elements and parts are upgraded to meet the high requirement from current market standard.

Since the development of its first electronic transfer jacquard machine, Pai Lung has been committed to upgrading products for the highest possible performance and quality. Now we have developed a strong technical knowledge in the research and development of knitting machines. This series includes:

- PL-KRTCJ Rib-mesh transferred electronic jacquard knitting machine.
- PL-KRNCJ Eyelet electronic jacquard knitting machine.
- PL-KRTCJ/DJ Rib-mesh transferred & eyelet electronic jacquard machine.
- PL-KRTCJ/DJ/CS6 6 color striper rib-mesh transferred electronic jacquard knitting machine.
- PL-KRT2.5CJ/DJ Multi feeder rib-mesh transferred electronic jacquard knitting machine.

This series design is equipped with two tracks of cams on dial and the pizeo needle selection system on the cylinder which is able to create full jacquard patterns on the fabrics. It can overcome the pattern range limited by the mechanical jacquard system. Pai Lung also offers a powerful design software – Pandora for easy pattern design and revision. It can quickly change design patterns for jacquard machine knitting preparation.

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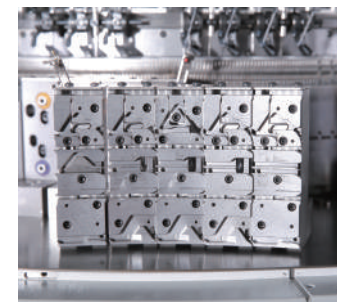
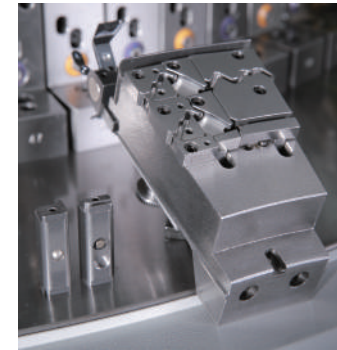
dial and the pizeo needle selection system on the cylinder which is able to create full jacquard patterns on the fabrics

PL-KRTCJ rib-mesh model principally uses three feeders as a transfer unit by clipper action to produce full jacquard patterns, rib and mesh plaiting jacquard. In certain design elastic yarn plaiting can create 3 dimension or links-links effects on the fabrics for ladies lingerie.

PL-KRNCJ is another model with double pereline and needle selection on the cylinder. Generally, five feeders are set with one knitting unit to create the eyelet performance. This model can make unique single knit and double knit with small or big eyelet pattern or both together in full jacquard style.

The combined above two models function, in addition to the full jacquard interlock model PL-KRTCJ/DJ, the most powerful model in this series, allows the customer to reach more potential markets. PL-KRTCJ/DJ/6 has 2/3 number of feeders of 6 color striper unit on machine to make transferred jacquard with striper fabrics, even with potential to add full striper units for higher production in striper specially.

PL-KRT2.5J / DJ is a new development & specification. Number of feeders is 33% higher than PL-KRTCJ / DJ. More production capacity can be provided to its users. As it is adopted the dial and multiple slots of cylinder, both clear embossed effect, single and double knit, rib-mesh with different size of holes, even different density (thickness) of jacquard fabric can be presented on fabric. Dial cam holders are adopted with user friendly SWING CAM concept Cylinder can be converted from pelerine needle or transfer needle same as the model PL-KRTCJ / DJ.



產品介紹

PL-KRT2.5CJ

K系列機種為累積多年研究開發與生產製造經驗並結合業界提供實際運轉參數所衍生的新一代精良產品，其針對現階段市場之布匹品質需求，在機台諸多細項元件功能與精密度做了更進一步精進。

針對羅紋選針提花系列，秉持不斷創新的精神及堅實的專業技術，佰龍公司建立起完整搭配系列組合。依據市場及織物需求特性，可提供如下機型：

- PL-KRTCJ 羅紋移圈電子選針大提花圓筒針織機
- PL-KRNCJ 羅紋龍眼電子選針大提花圓筒針織機
- PL-KRTCJ/DJ 羅紋移圈及龍眼電子選針大提花圓筒針織機
- PL-KRTCJ/DJ/CS6 六色變色羅紋移圈電子選針大提花圓筒針織機
- PL-KRT2.5CJ/DJ 羅紋移圈電子選針多口數大提花圓筒針織機
- PL-KRN2.5CJ/DJ 羅紋龍眼電子選針多口數大提花圓筒針織機

本系列PL-KRTCJ採用上針盤兩跑道，配合下針筒壓變陶瓷選針系統，編織指定圖案之大型提花織品，該功能克服了一般機械提花有限度花形範圍之缺點，並且有效節省花形更換所花時間。機台上裝置1MB記憶體，並可依需求擴增容量。

PL-KRTCJ為表現羅紋移圈功能，基本上採用三進路為一組織單位結構，採用移圈針(transferred needle)作為提花織造。可提供移圈大提花布織造，移圈單雙面布，浮凸提花等效果；在某些提花設計下，搭配彈性紗之添加，可產生的立體感或反面布底產生相反圖案的效果，可作為文胸，女性內衣貼身織物。

PL-KRNCJ功能主要為羅紋龍眼效果，一般採用五進路為一織造單位，運用哈夫針(Pereline)及織針相互搭配。可以提供單面大小孔洞，及雙面大小孔洞的提花布。

PL-KRTCJ/DJ則是具備以上機型，移圈和龍眼提花功能互換之優點，提供客戶針對市場變化有更快速之反應。本機型並可以轉換成全口數雙面提花機(類似PL-KD1.5CJ)操作，達到一機三用的最佳效益。

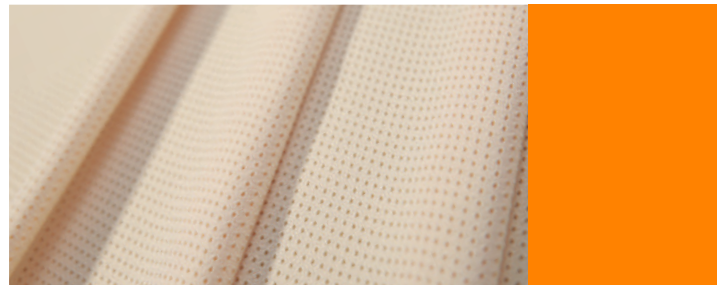
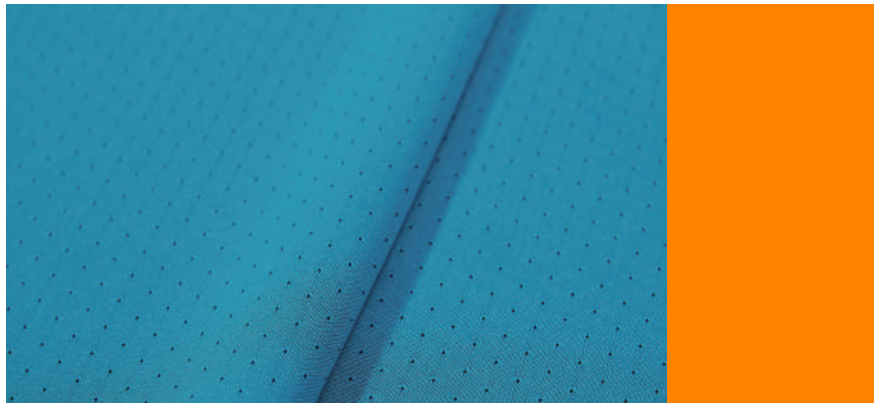
PL-KRTCJ/DJ/CS6則更添加了六色變色的功能，產生移圈彩條及提花效果；並可增加至全路數配備，織造彩條提花棉毛布，提昇產能。

PL-KRT2.5J/DJ 34" x 72F 乃是新開發機型，編織口數較PL-KRTCJ/DJ 34" x 54F增加1.3倍，因此產能提升，消費者獲益良多。同時運用上盤與下筒之倍數針筒編織更具浮凸效果、單雙面布同時呈現、羅紋移圈大小孔洞的不同密度(厚薄)之電腦提花織物上盤SWING CAM設計-操作簡易性。下圈轉換件架構-哈夫針移圈針，則相同於PL-KRTCJ/DJ 功能。

客戶可以選購佰龍電子提花機專用繪圖軟件Pandora，圖形可以自行繪製或掃描方式輸入。此軟件具備多種之繪圖功能，可快速製作及複製複雜檔案，以及利用上下左右翻轉效果，產生鏡射圖案。再經由Pandora程序之轉換輸出到機台織造指定之花色圖案，便捷快速。

Applications

K Pai Lung K-series
Double Knit



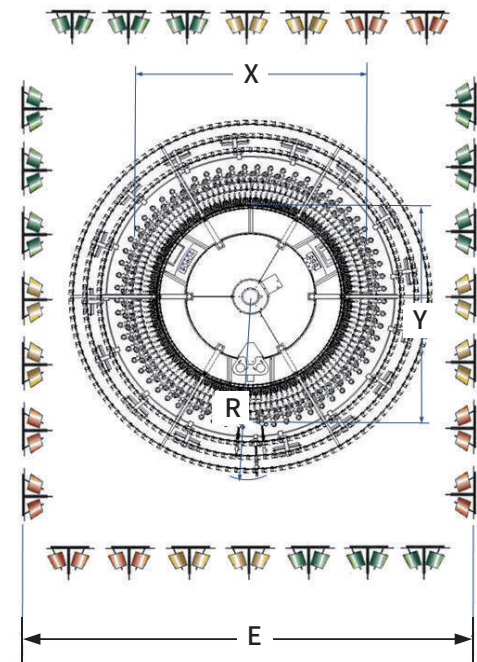
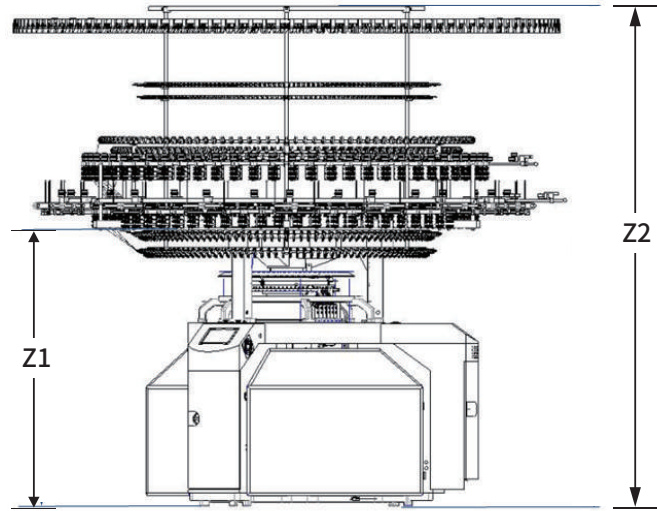
Feeder No. & Needle Chart 口數 & 針筒總針數表

Dia	PL-KRTCJ PL-KRTCJ	PL-KRTCJ PL-KRTCJ	PL-KRTCJ/DJ	HP
30	48F	48F	48F	7.5
32	48F	48F	48F	7.5
34	54F/60F	54F/60F	54F/60F	7.5
36	54F	54F	54F	7.5
38	60F	60F	60F	7.5
40	60F	60F	60F	7.5
Dia	PL-KRTCJ/DJ/CS6			
34	50F			

Feeder No. 口數

Dia	路數	HP
30	60	5
32	66	7.5
34	72	7.5
36	72	7.5
38	78	7.5
40	84	7.5
42	84	7.5

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
	<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"> 整合式液晶觸控螢幕 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
	<ul style="list-style-type: none"> 380V, 50/60Hz, 3.7Kw/5Hp - 5.5Kw/7.5Hp 變頻傳動裝置 	<ul style="list-style-type: none"> 220V, 50/60Hz 415-460V, 50/60Hz
	<ul style="list-style-type: none"> 佰龍機械式變速捲布機 標準捲布直徑 17" 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/捲布兩用捲布機 泳立機械式變速捲布機
	<ul style="list-style-type: none"> PL-KRTCJ 提供移圈針、中段挺針、提花針、2 段上針盤織針 PL-KRNCJ 提供哈夫針或下織針、中段挺針、提花針、2 段上針盤織針 PL-KRTCJ/DJ 提供移圈針/哈夫針或下織針、中段挺針、提花針、2 段上針盤織針 PL-KRTCJ/DJ/CS6 則提供移圈針或下織針、中段挺針、提花針、2 段上針盤織針 PL-KRT2.5CJ/DJ 提供移圈針/哈夫針或下織針、中段挺針、提花針、2 段上針盤織針 	<ul style="list-style-type: none"> 依客戶需求提供預備織針
	<ul style="list-style-type: none"> PL-KRTCJ,PL-KRNCJ,PL-KRTCJ/DJ, PL-KRT2.5CJ/DJ 上針盤為 2 段跑道結構,下針筒為提花系統三角配備 PL-KRTCJ/DJ/CS6 上針盤可提供至 3 段跑道結構,下針筒為提花系統三角配備 	<ul style="list-style-type: none"> 依客戶需求提供指定三角配置 上針盤活動三角(成圈,集圈,浮線,浮花)
	<ul style="list-style-type: none"> PL-KRTCJ,PL-KRNCJ,PL-KRTCJ/DJ, PL-KRT2.5CJ/DJ 為電子儲紗式送紗器 SFE PL-KRTCJ/DJ/CS6 採用彩條送紗器 	<ul style="list-style-type: none"> 氨輪儲紗器 MER3 依客戶需求提供其他形式儲紗裝置
	<ul style="list-style-type: none"> 佰龍 K 系列機架 浸油潤滑四鋼線軸承 逆時鐘轉向運轉下布 	
	<ul style="list-style-type: none"> PL-KRTCJ,PL-KRNCJ 雙孔無加蓋環 	<ul style="list-style-type: none"> 氨綸添紗裝置
	<ul style="list-style-type: none"> Uniwave 噴霧式噴油機 	<ul style="list-style-type: none"> 佰龍噴霧式噴油機
	<ul style="list-style-type: none"> PL-KRTCJ,PL-KRNCJ,PL-KRTCJ/DJ, PL-KRT2.5CJ/DJ 採用 B8/B9 組合式落地紗架 PL-KRTCJ/DJ/CS6 採用四面開放式彩條紗架 	<ul style="list-style-type: none"> D8/D9 組合式PVC風管或鋁管落地紗架 頂蓬式紗架 風扇除絮型風扇紗架 密閉式過濾紗架系統
	<ul style="list-style-type: none"> 壞針或布面破洞自停裝置 開針舌器(PL-KRTCJ) 機架及布面照明裝置 上段風扇吹絮裝置 針盤高度及水平分度規 壓縮空氣最低需求: 6 bar,250l/min. PL-KRTCJ/DJ/CS6 提供 2/3 路數的彩條龍頭組 	<ul style="list-style-type: none"> Pandora 繪圖軟體 美名格上段除塵 整合式液晶螢幕觸控螢幕可連結以下裝置: • POMS 佰龍線上監控系統
		<ul style="list-style-type: none"> PL-KRTCJ,PL-KRNCJ, PL-KRTCJ/DJ 可以提供相互機種之轉換件

	Standard	Options
	<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
	<ul style="list-style-type: none"> 380V, 50/60Hz, 5.5Kw/7.5Hp - 7.3Kw/10Hp Inverter power control 	<ul style="list-style-type: none"> 220V, 50/60Hz 415-460V, 50/60Hz
	<ul style="list-style-type: none"> Motor take up system Cadratex fabric spreader standard fabric roll dia" 17" 	<ul style="list-style-type: none"> Pai Lung mechanical take up system Folding/rolling take up system Open width take up system Yung Leader mechanical take up system
	<ul style="list-style-type: none"> PL-KRTCJ-transfer needle、mid-jack、pattern jack、2 track dial needle PL-KRNCJ-half or cylinder needle、mid-jack、pattern jack、2 track dial needle PL-KRTCJ/DJ-transfer/half needle or cylinder needle、mid-jack、pattern jack、2 track dial needle PL-KRTCJ/DJ/CS6-transfer or cylinder needle、mid-jack、pattern jack、2 track dial needle PL-KRT2.5CJ/DJ-transfer/half needle or cylinder needle、mid-jack、pattern jack、2 track dial needle 	
	<ul style="list-style-type: none"> PL-KRTCJ,PL-KRNCJ,PL-KRTCJ/DJ, PL-KRT2.5CJ/DJ-Two tracks in dial and Jacquard camming selection in cylinder PL-KRTCJ/DJ/CS6-Three tracks in dial and Jacquard camming selection in cylinder 	<ul style="list-style-type: none"> Dial swing cam (Knit,Tuck, Miss,Plating)
	<ul style="list-style-type: none"> PL-KRTCJ,PL-KRNCJ,PL-KRTCJ/DJ, PL-KRT2.5CJ/DJ equip Electronic storage feeder SFE PL-KRTCJ/DJ/CS6 equip striper feeder 	<ul style="list-style-type: none"> Elastane roller MER3 Other brand feeders on request
	<ul style="list-style-type: none"> Pai Lung K frame Oil-bathed wire bearing system Count clockwise direction 	
	<ul style="list-style-type: none"> Zirconium yarn carrier 	<ul style="list-style-type: none"> Spandex attachment
	<ul style="list-style-type: none"> Uniwave misty oiler 	<ul style="list-style-type: none"> Pulsonic 5.2 pressure oiler Pai Lung misty oiler
	<ul style="list-style-type: none"> PL-KRTCJ,PL-KRNCJ,PL-KRTCJ/DJ, PL-KRT2.5CJ/DJ equip B8/B9 combi side creel PL-KRTCJ/DJ/CS6 equip striper side creel 	<ul style="list-style-type: none"> D8/D9 type PVC or aluminums tube creels Overhead creels Fan creels - Filter creels
	<ul style="list-style-type: none"> Needle detectors Latch opener(PL-KRTCJ) Lighting on frame & fabrics Top fans system Dial height & horizontal level gauges Min compressed air : 6 bar, 250 l/min PL-KRTCJ/DJ/CS6 equip 2/3 feeder No. of striper units 	<ul style="list-style-type: none"> Unwise central anti-dust blow system Memminger top fan system Integrated LCD control system can be added: • POMS on-line monitoring
		<ul style="list-style-type: none"> PL-KRTCJ,PL-KRNCJ, PL-KRTCJ/DJ can be inter-converted by kits