

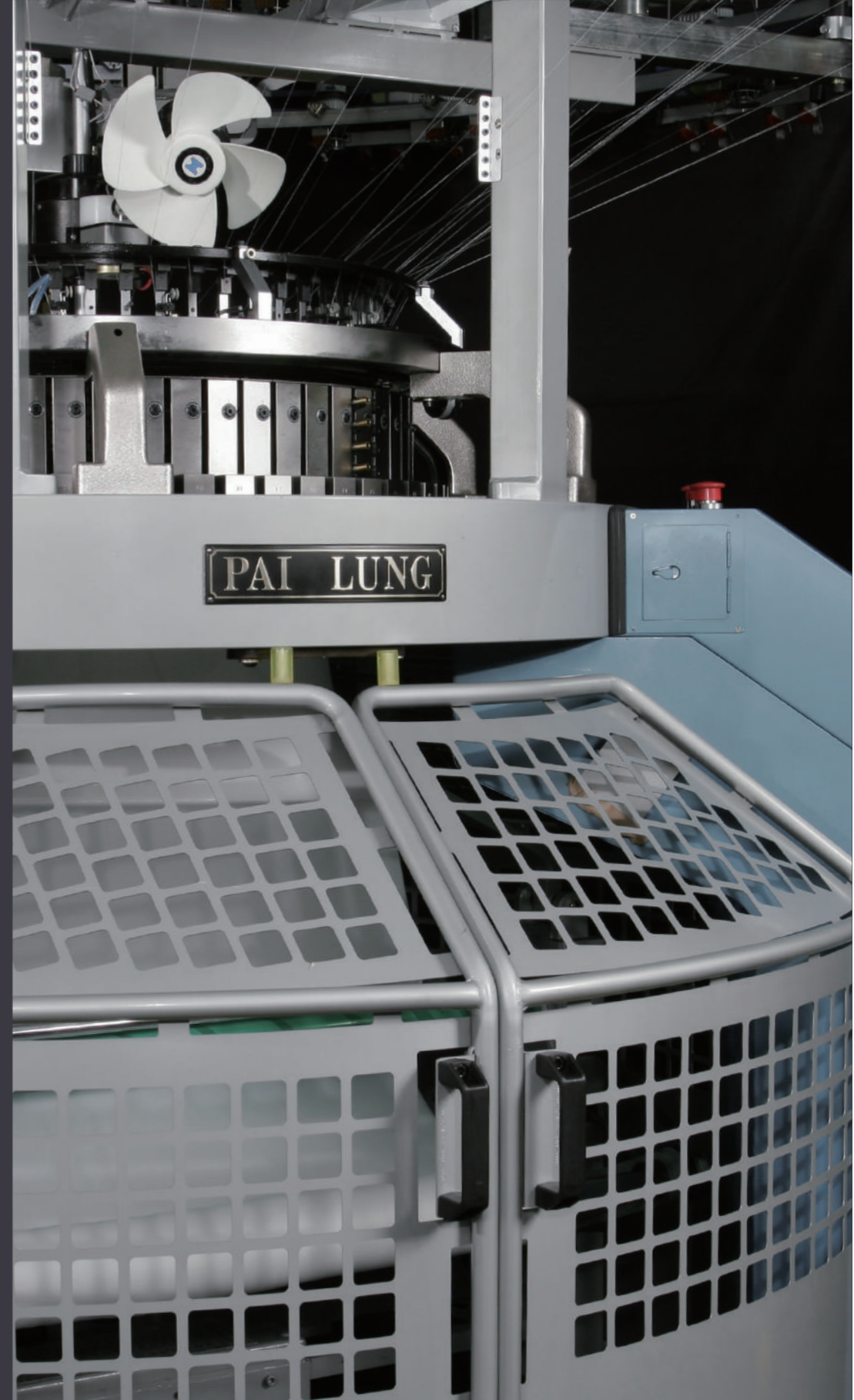


Woven-Like Denim/Corduroy Function
Circular Knitting Machine

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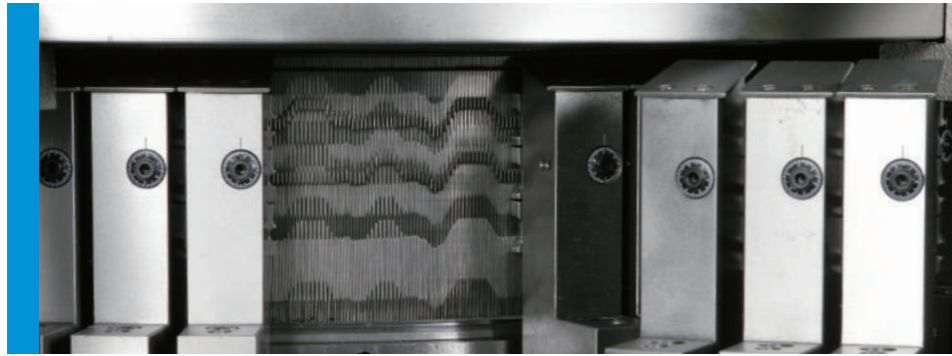
Knitel Series

Float Plaiting

Woven-Like Denim/Corduroy Function
Circular Knitting Machine

類平織(單寧/燈芯絨布)專用圓筒針織機

PL-KSFP
PL-KSFC



Products Introduction

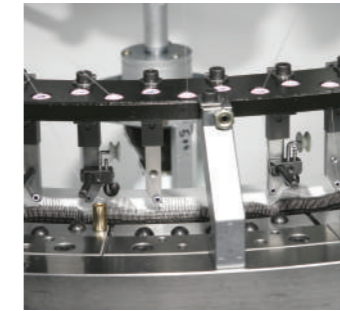
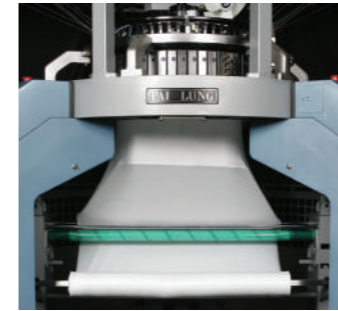
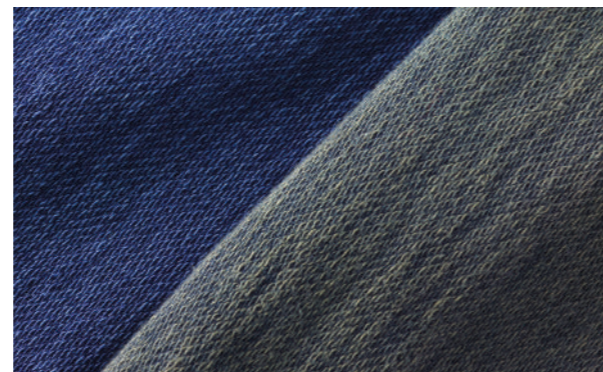
A revolution design is born from the single jersey four tracks model series-Pai Lung's latest float plating knitting machines. Based from the patented technology in striper jacquard successful in the upholstery industries, the advantages of simple four tracks structure with the "float plating" performance can reach the woven like market request.

Even so, every feats of PL-KSFP is very much a product of Pai Lung's float plating technology. New resources and new investment in the latest computer added design and engineering facilities, in statistical process control and many other leading edge disciplines are ensuring that for perfect knitting processing in basic four cams track system only. Added with limit elastic yarn plating, the PL-KSFP can create tighter fabrics. With certain yarns arranged, woven-like fabrics including knitted denim can be better than ever before. The cam system with the potential to be converted easily for other single jersey structure.

PL-KSFP has the Pai Lung's Knitel technology in the sophisticated yarn feeding design in yarn carrier system; Quality wheel gearbox is with oil bathed for high quality fabric production even in sudden

braking; High quality cam surface for improving sinkers and needles lifetime; Powerful interior anti-dust fan and blower for knitting head area clean; Digital option devices supply for full factory management & quality control.

Based on float plating technology, Pai Lung also combined the advantages from knitting with corduroy. Dismiss typical thick and heavy impression, but keep the cords plump, fluffs fixed and durable against friction. After pile cut and mercerizing, customized distances between cords are still selectable. Perfectly perform 3D effect and glossiness which corduroy fabrics always have.



產品介紹

PL-KSFP
PL-KSFC

不斷求新求變的熱情,顛覆傳統單面機運用思考方式;以原有浮線鍍圈變色提花機之精華,佰龍推出單色系類平織挺韌布性機型PL-KSFP。此機種以四跑道為基礎架構,融合類平織織造原理,配合一般針距至細針化設計平台機種。針對特殊仿平織布效果之需求,結合圓編針織之優點,以達到快速反應市場之效果。

本機型浮線鍍圈功能,搭配紗線之運用,可以將浮線效果達最佳化境界,適用於針織牛仔布等運用;為達類平織效果,佰龍將特殊浮線鍍圈織造技術容納入織造平台上,確保浮線變化時鍍圈能保持精準定位,達到完美鍍圈效果。而四段式三角組合,適合組織變換,可利用紗線差異搭配組織設計,讓織物多樣化,更能達到多功能物性的要求。本機設計可以搭配適量的彈力紗,以達到布面緊緻的效果。

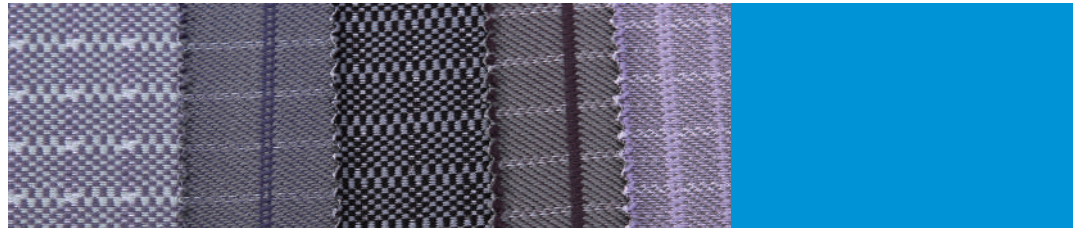
採用新式針筒座設計,杜絕機台底部溢油污染織物之可能。大盤及送紗傳動齒輪箱皆採用浸油設計,運轉輕快,穩定度提高,且降低噪音及減少織物因煞車造成之影響。新式隙座系統更能支撐高張力及高負重之長期承載影響。採用特殊下圈山角寬針軌新設計,延長織針及山角壽命。以 Knitel 系列之核心技術,確保 PL-KSFP 編織同步性及確保三角座接合面間距相等。

以佰龍專利之類平針織織造科技為基礎,結合圓編針織的優點,同時推出針織燈芯絨布料,不但適度除去絨布的厚重感,且提供絨條圓潤豐滿,絨毛耐磨不脫落,手感柔軟但織物保持緊緻不變型的特性。搭配後處理割絨及絲光過程,提供數種絨條距效果,完全呈現針織燈芯布性特有之立體感,光澤感與層次感。

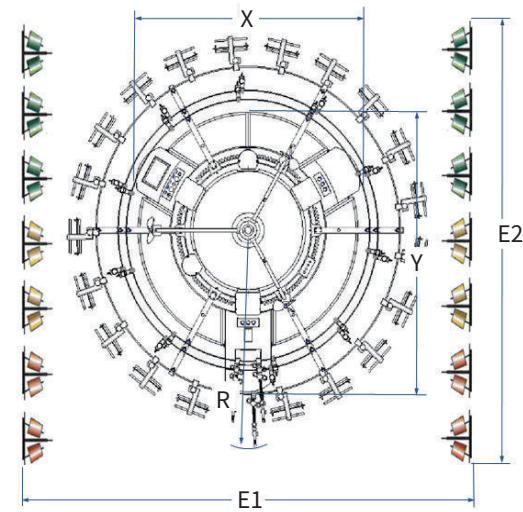
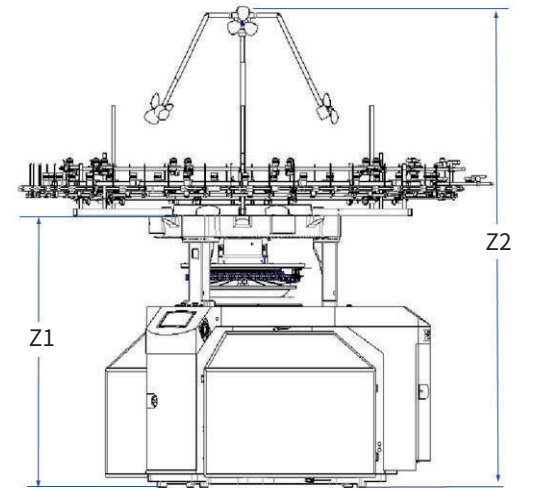


Applications

K Pai Lung K-series
Single Knit



Dimensions 機台外觀尺寸圖



Feeder No.& Needle Chart 口數 & 針筒總計數表

Dia	PL-KSFP PL-KSFC	14G	16G	18G	20G	22G	24G	26G	28G	HP
26"	60F	1152	1296	1476	1620	1776	1944	2124	2280	5
28"	63F	1236	1392	1584	1752	1920	2112	2280	2460	7.5
30"	69F	1320	1500	1692	1872	2064	2256	2448	2640	7.5
32"	75F	1416	1608	1800	2016	2208	2400	2616	2808	7.5
34"	78F	1500	1692	1920	2124	2340	2544	2772	2988	7.5
36"	81F	1584	1800	2040	2256	2484	2712	2940	3168	7.5
38"	87F	1656	1896	2160	2376	2616	2856	3096	3336	7.5
40"	90F	1728	1992	2268	2496	2760	3000	3276	3528	7.5
42"	93F	1848	2112	2376	2640	2904	3168	3420	3696	10




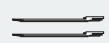








TF	X	Y	R	Z1	Z2	E1	E2
4"~12"	1530	2000	1179.5	1957	3329.3	1915	2559
13"~18"	1815	2040	1482	1824.05	3210.8	2630	3164
19"~24"	1950	2190	1554.5	1824.05	3210.8	3309	3345
25"~30"	1885	2200	1617	1849.5	3301.8	3434	4060
31"~34"	2035	2370	1682	1849.5	3301.8	3564	4775
35"~40"	2177	2531	1762	1849.5	3301.8	3724	5490
41"~46"	2260	2665	1878	2049.5	3501.8	3956	6205
47"~52"	2400	3050	1993	2049.5	3501.8	4186	6920
53"~58"	2900	3640	2155	2312.5	3670	4510	7635
59"~64"	3300	3530	2700	2312.5	3670	5600	8350

- 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 - 3.7Kw/5Hp - 5.5Kw/7.5Hp - 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/捲布兩用捲取機 - 泳立機械式變速捲布機 - 高捲裝機身捲布直徑 36" - 高捲裝機身捲布直徑 45"
 織針及沉降片	<ul style="list-style-type: none"> - 1~4 段針筒織針-沉降片 	<ul style="list-style-type: none"> - 依客戶需求提供預備織針及沉降片數量
 三角配置	<ul style="list-style-type: none"> - 4 段跑道三角配置 - 三角以合銷固定, 定位精準 - 密閉型三角設計 	<ul style="list-style-type: none"> - 3 段跑道三角配置 - 依客戶需求提供三角配置
 儲紗裝置	<ul style="list-style-type: none"> - 積極式儲紗送紗器 MPF-20L1 及 MPF-40L1 - 儲紗器環 2 圈+1 組預備鐵圈 	<ul style="list-style-type: none"> - 積極式儲紗送紗器 MPF-20P1 /NEO Knit - 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 - 順時鐘轉向運轉下布 	
 喂紗嘴	<ul style="list-style-type: none"> - 單孔瓷眼設計 	<ul style="list-style-type: none"> - 氨綸添紗裝置
 噴油機	<ul style="list-style-type: none"> - Pulsionic 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"> - B8/B9 組合式落地紗架 	<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
 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 - 中段風扇及噴風吹絮裝置 - 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 	<ul style="list-style-type: none"> - 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 • Decotex 送紗長測量儀 (連接埠已提供 2 組傳送皮帶紗長數據, 可依需求購機時增至 8 組數據功能) • 電子中央布目調整裝置 • 電子皮帶轉輪控制裝置
 轉換件		<ul style="list-style-type: none"> - 單面架構設計 - 不同針距之針筒

	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 - 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 - Yung Leader mechanical take up system - Heavy loading fabric roll dia' 36" - Heavy loading fabric roll dia' 45"
 Needle/Sinker	<ul style="list-style-type: none"> - 1~4 track cylinder needles - 1 set sinkers 	<ul style="list-style-type: none"> - Spare sinker & needles as request
 Camming	<ul style="list-style-type: none"> - 4 track cylinder cams arrangement - cam positioning by pin - 1 feeder/ per cylinder cam box 	<ul style="list-style-type: none"> - Cam arrangement depends on request
 Yarn storage	<ul style="list-style-type: none"> - Positive feeder MPF-20L1 & MPF-40L1 - 2 feeder iron rings & 1 spare 	<ul style="list-style-type: none"> - Postive feeder MPF-20P1/ NEO Knit - Elastane roller MER3 - Other brand feeders on request
 Frame	<ul style="list-style-type: none"> - Pai Lung K frame - Oil-bathed wire bearing system - Clockwise direction 	
 Yarn carries	<ul style="list-style-type: none"> - One hole with ceramics 	<ul style="list-style-type: none"> - Spandex attachment
 Oiler	<ul style="list-style-type: none"> - Pulsionic 5.2 pressure oiler 	<ul style="list-style-type: none"> - Uniwave misty oiler - Pai Lung misty oiler
 Creels	<ul style="list-style-type: none"> - B8/B9 type combi creels 	<ul style="list-style-type: none"> - D8/D9 type PVC or aluminums tube creels - Overhead creels - Fan creels - Filter creels
 Others	<ul style="list-style-type: none"> - Needle detectors - Lighting on frame & fabrics - Top fans system - Central fan & air blower - Cylinder height gauge - Compressed air : 6 bar, 250 l/min - Central stitch adjustment 	<ul style="list-style-type: none"> - Memminger top fan system - Integrated LCD control system can be added: • 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
 Conversion kit		<ul style="list-style-type: none"> - Single jersey structure - Other gauge cylinder change