

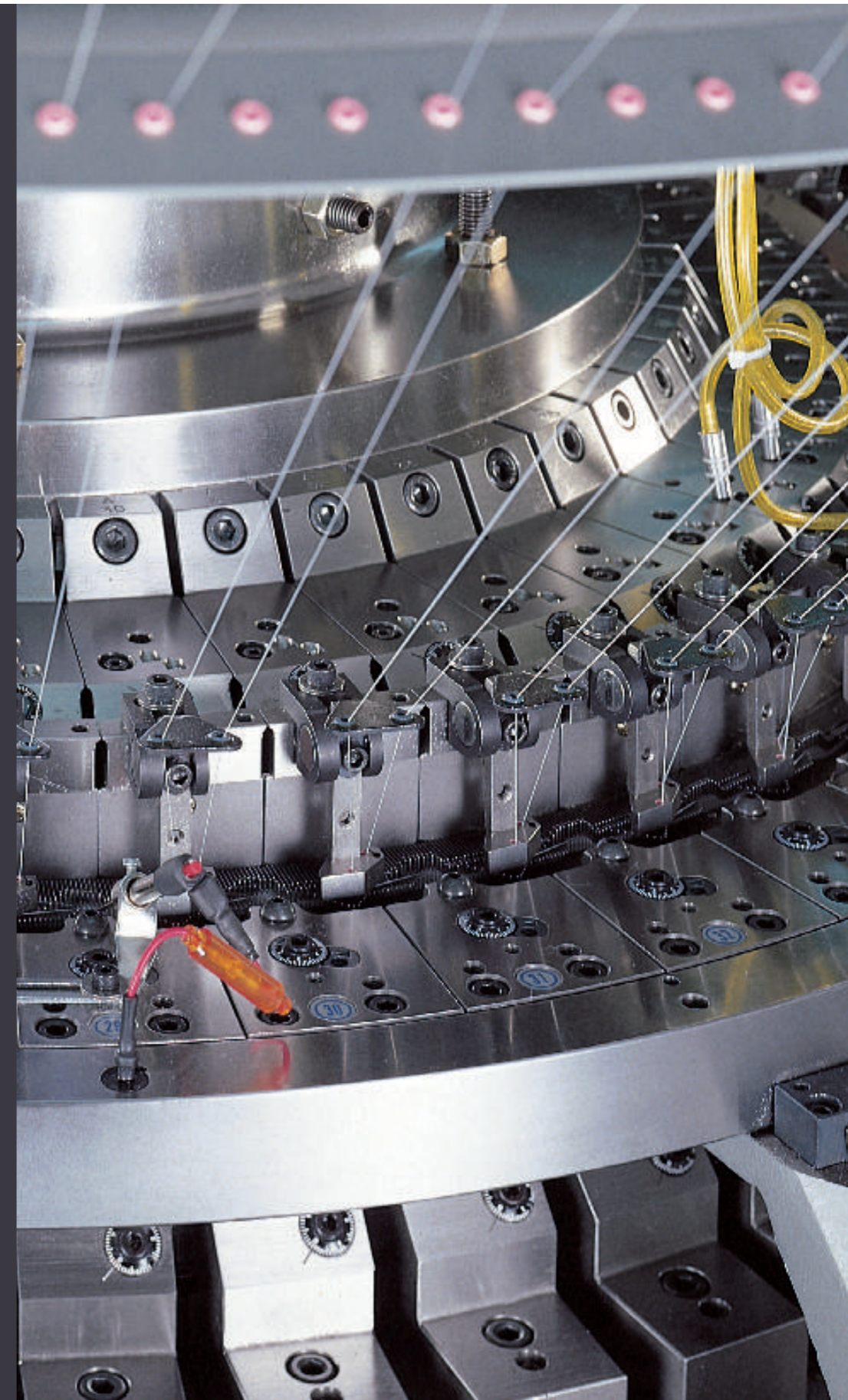


Double Knit Single Loop Pile Shearing
Circular Knitting Machine

PAI LUNG MACHINERY MILL CO.,LTD.
No.8 Ding Ping Rd., Ruel-Fang Industrial Park, Ruel-Fang Dist., New Taipei City, Taiwan.
台灣新北市瑞芳區瑞芳工業區頂坪路8號
TEL:886-2-24978888 FAX:886-2-24965666
www.pailung.com.tw

THE FABRIC
OF INNOVATION

PAI LUNG



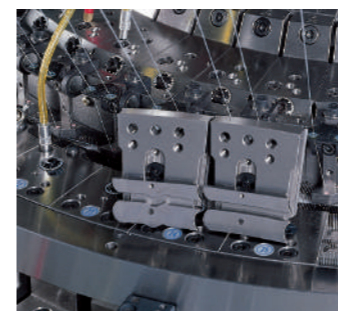
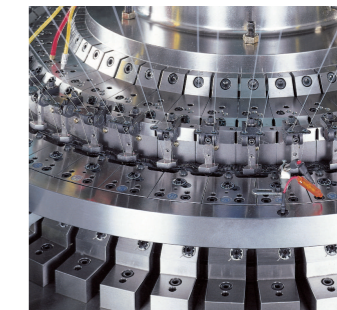
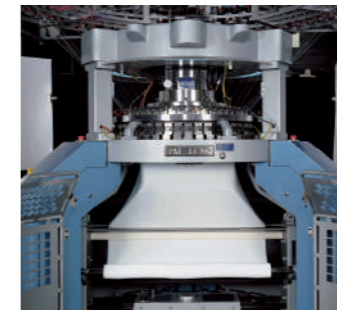
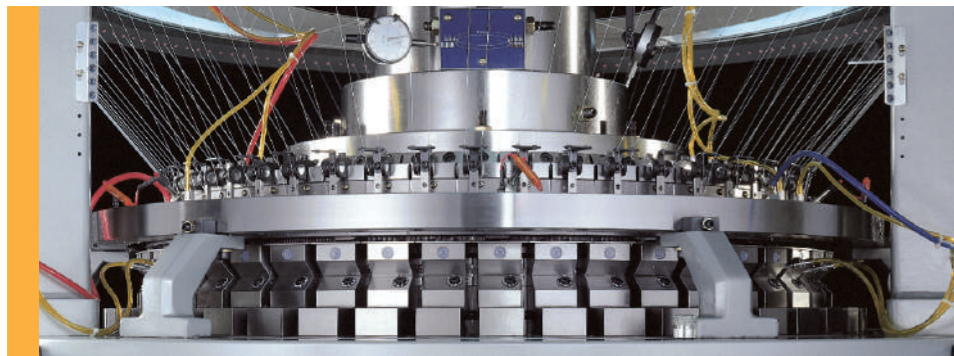
Knitel Series

Double Knit

Double Knit Single Loop Pile Shearing
Circular Knitting Machine

單面割圈圓筒針織機

PL-KDSPS



Products Introduction

產品介紹

PL-KDSPS

General shearing waste for the traditional terry / velour knitting fabric is around 20-25%. It always causes customer high processing loss without any better solution. To solve this problem, a new direct shearing device - in Pai Lung double knit machine with knife cutting technology, can effectively help customer in cost control.



With this direct shearing device, PL-KDSPS machine is able to reduce the waste around 7-10% in plain cotton & wool loop knitting. The function design can help customer to save more time on processing machine preparation.

This machine is equipped with one-track dial needle, sinker knife (cutter), pile-hold sinker and cylinder needle knife for the direct shearing processes. The clean maintain for this machine is very important, and different gauge model needs different cutting parts. The sinker length is from 0 to 2.0, 2.2, 2.5, 2.6, 2.8, 3.0mm high.



In addition, elastic yarn feeding device can be added for elastic platingelastic terry fabric.

SUITABLE MATERIAL

FABRICS: Pure cotton, blend and wool, polyester etc.

傳統的毛巾布在剪毛的過程中耗損率約為 20-25% 而剪毛的高耗損一直以來都未能有更好的解決方案為解決此高耗損問題,佰龍在雙面機上加裝新的剪毛裝置與切刀技術,可以更有效的協助客戶針對毛巾布剪毛的高耗損成本加以控制。

在藉由直接剪毛裝置的協助下,PL-KDSPS機器能夠將一般純棉毛巾布和羊毛針織毛巾布的剪毛耗損降低至 7-10%。而此一新設計功能在 PL-KDSPS 機器上將可節省客戶更多的時間與整理工程上的機器準備。

此機種配置一段上盤針,信克切刀、壓環信克和針筒上的下刀針共同組成了直接切環的剪毛流程,因此,在此機種上維持清潔則相對重要。不同針距的機型需要不同的切環零件。下刀針切毛的長度從 0 到 2.0, 2.2, 2.5 2.6, 2.8, 3.0mm。再者,彈性紗的餵入裝置可以被使用在這機器上來織造彈性剪毛毛巾布。

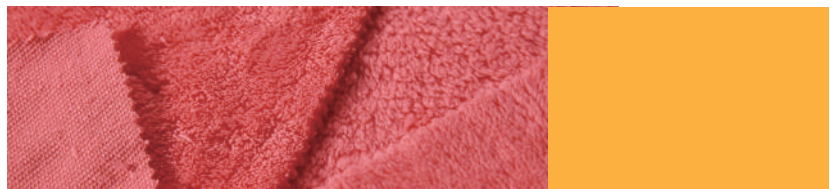
適用材料

布匹: 純棉紗, 混紡紗, 羊毛紗與 Polyester 等。



Applications

K Pai Lung K-series
Double Knit



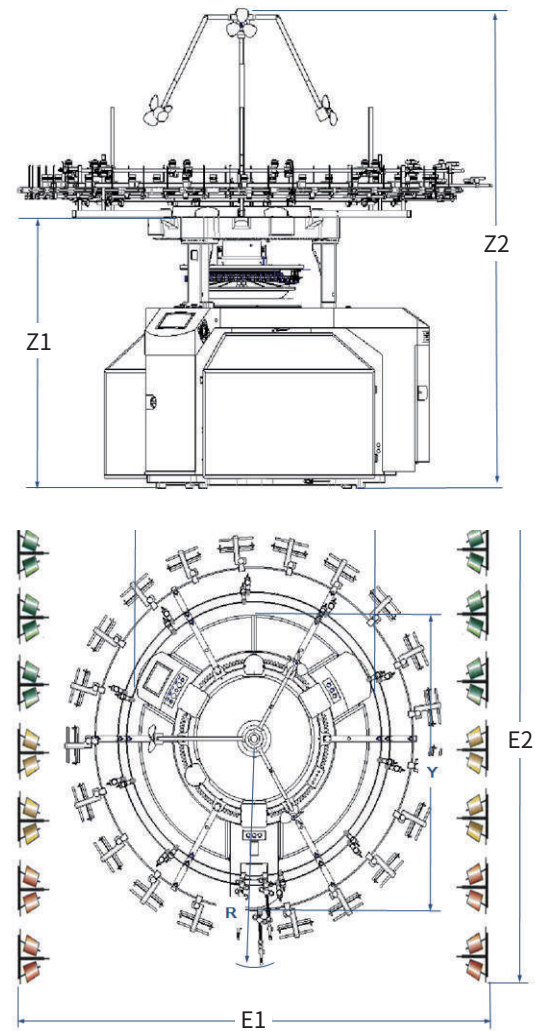
Feeder No. & Needle Chart 口數 & 針筒總計數表

Dia	Feeder	18G	20G	22G	24G
30	48F	1692	1888	2072	2264
32	50F	1808	2008	2216	2416
34	54F	2040	2264	2488	2712
38	60F	2136	2392	2624	2864
40	62F	2264	2512	2768	3016
42	64F	2376	2640	2904	3618

Production 產量

Dia. 直徑	Gauge. 針距	feeders 路數	R.P.M. 轉速	Yarn 原料	Weight 重量 (g/m ²)	Output 產量 (m/hr)	Width 幅寬	Pai Lung Pattern no. 佰龍圖案號碼
30"	36G	90F	22	75D+20dD (Spandex)	150	8.4	60"	08A-E058A
30"	50G	90F	20	75D+20dD (Spandex)	112	1.9	61"	08A-E035A
34"	50G	102F	18	75D+20dD	112	3.2	38"	08A-E172A

Dimensions 機台外觀尺寸圖














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
 <p>控制介面</p>	<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
 <p>電源</p>	<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
 <p>捲布裝置</p>	<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 - 高捲裝捲布直徑 36" - 摺布/捲布兩用捲取機 - 高捲裝捲布直徑 45" - 開幅剖布/捲布裝置 - 泳立機械式變速捲布機
 <p>織針及沉降片</p>	<ul style="list-style-type: none"> - 1 段針筒下刀針 - 1 段上針盤紗針 - 1 段切刀沉降片 - 1 段沉降壓片 	<ul style="list-style-type: none"> - 依客戶需求提供預備織針及沉降片數量
 <p>三角配置</p>	<ul style="list-style-type: none"> - 2 段針盤三角配置 - 1 段沉降三角配置 - 1 段針筒三角配置 - 三角以合銷固定,定位精準 	
 <p>儲紗裝置</p>	<ul style="list-style-type: none"> - 積極式儲紗送紗器 MPF-20L1 - 儲紗器環 2 圈+1 組預備鐵圈 	<ul style="list-style-type: none"> - 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
 <p>機架</p>	<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 	
 <p>喂紗嘴</p>	<ul style="list-style-type: none"> - 雙孔磁眼設計 	<ul style="list-style-type: none"> - 氨綸添紗裝置
 <p>噴油機</p>	<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
 <p>紗架</p>	<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
 <p>其他</p>	<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"> - 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: • 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

	Standard	Options
 <p>Control</p>	<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
 <p>Power</p>	<ul style="list-style-type: none"> - 380V, 50/60Hz, - 2.2Kw/3Hp - 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
 <p>Take - up</p>	<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 - Heavy Duty fabric roll dia. 36" - Heavy Duty fabric roll dia. 45"
 <p>Needle</p>	<ul style="list-style-type: none"> - 1 track cylinder needle - 1 track dial needle - 1 set sinker knites - 1 set sinker press plates 	<ul style="list-style-type: none"> - Spare sinker&needle as request
 <p>Camming</p>	<ul style="list-style-type: none"> - 1 track cylinder cams - 2 track dial cams - 1 track sinker cams - Cam positioning by pin - Close track cams 	
 <p>Yarn storage</p>	<ul style="list-style-type: none"> - Positive feeder MPF-20L1 - 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
 <p>Frame</p>	<ul style="list-style-type: none"> - Pai Lung K frame - Oil-bathed wire bearing system - Count-clockwise direction 	
 <p>Yarn carries</p>	<ul style="list-style-type: none"> - 2 holes type with cereamic 	<ul style="list-style-type: none"> - Spandex attachment
 <p>Oiler</p>	<ul style="list-style-type: none"> - Pulsonic 5.2 pressure oiler 	<ul style="list-style-type: none"> - Uniwave misty oiler - Pai Lung misty oiler
 <p>Creels</p>	<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
 <p>Others</p>	<ul style="list-style-type: none"> - Needle detectors - Lighting on frame & fabrics - Top fans system - Central fan&air blower - Cylinder height gauge - Min compressed air : 6 bar, 250 l/min - Central stitch adjustment 	<ul style="list-style-type: none"> - Memminger top fan system - ntegrated 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