

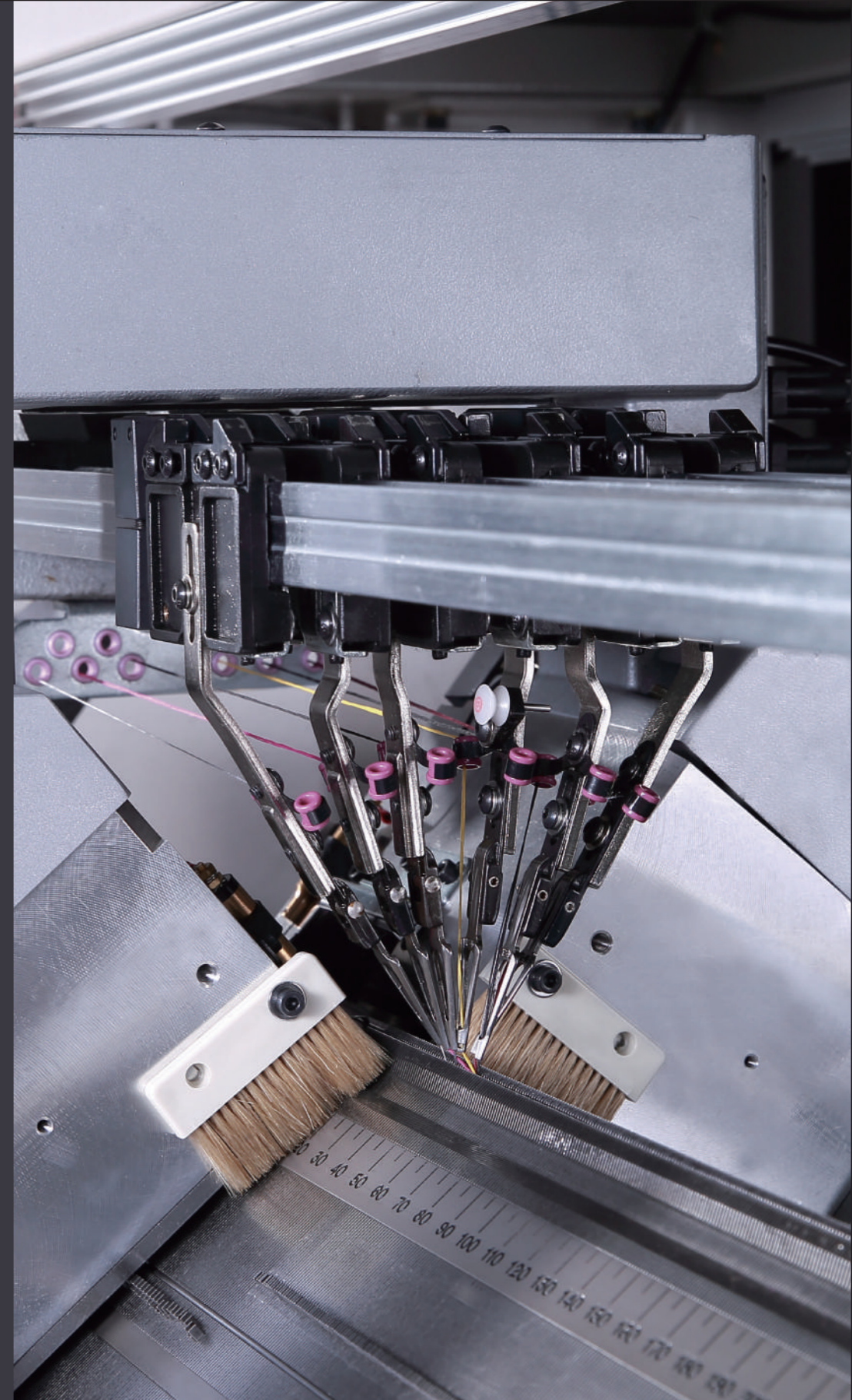


Two Carriages
Flat Knitting Machine

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THE FABRIC
OF INNOVATION

PAI LUNG



Series

Two Carriages
Flat Knitting Machine

雙機頭系列橫編專用機種

PLF-IC2-U

Pai Lung Two Carriages
Flat knitting Machine



The latest Pai Lung's PLF-IC2 two carriage system machine series is one of the most popular high productive models especially in collar, cuff, and lower hem of gown manufacture.

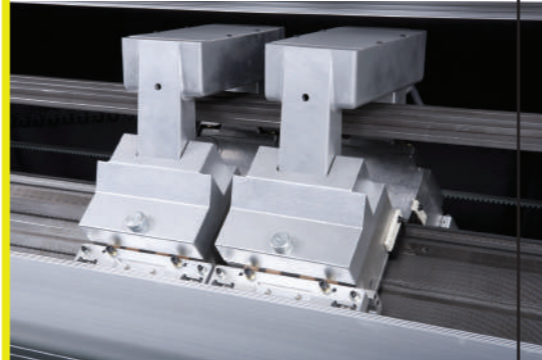
佰龍的PLF-IC2-U為最新改良之高產量，用途最廣泛的雙機頭系列橫編專用機種，適用於一般領片，袖底或夾克下擺羅紋等組織之生產織造。

Standard function 標準功能

Two separated carriages can be worked individually or in tandem.

The 60" machine max. work width: 26"x2~50"x1. (unit: piece)

The 80" machine max. work width: 36"x2~70"x1. (unit: piece)



雙機頭系列包含60"及80"針板長度，機頭具備獨立或合併織造功能。

60" 機台織造寬度: 26"x2~ 50"x1. (單位: 片)

80" 機台織造寬度: 36"x2~ 70"x1. (單位: 片)

Friendly color LCD control panel for easy programming, operating message, racking control, error detect, maintain action check, racking, stitch and other control. Inside memory allows 24 piece of key in files saving, and can add an optional USB device with PC software for program edition.



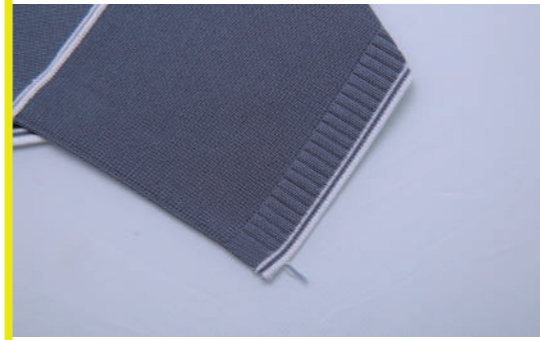
彩色大型LCD螢幕實用按鍵式控制系統，提供織造程式輸入、偵測探錯、織造速度、度目設定、搖床、片數設定等多項功能；可另儲存24組花色程式。亦可選購加裝USB裝置，做為可攜式儲存，更可搭配佰龍提供的專用程式在PC電腦系統上編輯輸入之程式。

Each carriage can control up to 6 different colors on three working rails. With semi-jacquard system of a combination of high and low butt needles and step jacks. This machine is ready for popular collar design including plain, striper, vertical line, bird eyes, squares, rib or some simple pattern.



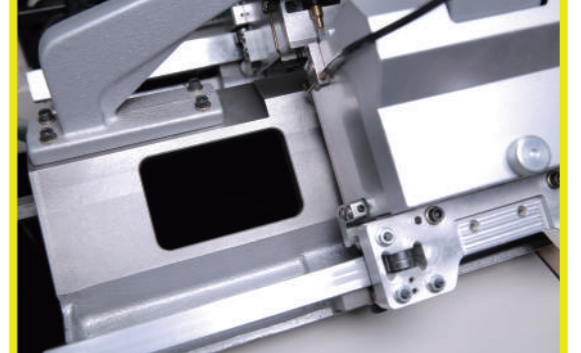
各機頭可控制3隻導軌上6組顏色紗嘴，以單段織針配合高低針踵織針及一段選針組合，可滿足市面大部分領片組織需求，款式包括總針，直向或橫向條紋，鳥眼組織，方格，羅紋或簡易小提花。

New 6 various strokes in pattern design- The machine can be added the optional function for 6 different section of strokes in making some special pattern or button hole design. This function can be used in labor work saving for easy yarn ending in basic collar production without needle hook back in yarn end hidden work.



6段自由調配行程-本機採用同毛衣機等級伺服控制系統精準定位。可依客戶需求加入新6段自選行程功能，做出部分具特色之組織，或運用於開扣眼組織之效果。而基本總針領片生產時，領角紗尾可採用此功能後移少許距離，於斷紗後可收入紗尾，無需後續人工勾紗進而有效節省成本。

Maintain window design for easy maintain service and clean.



針床座兩側皆有維修窗口，利於機頭山角系統清潔及維護。

The whole side tension includes the auxiliary feeding device for better yarn tension control and smooth feeding; which can help in knitting speed up and less edge broken problem.



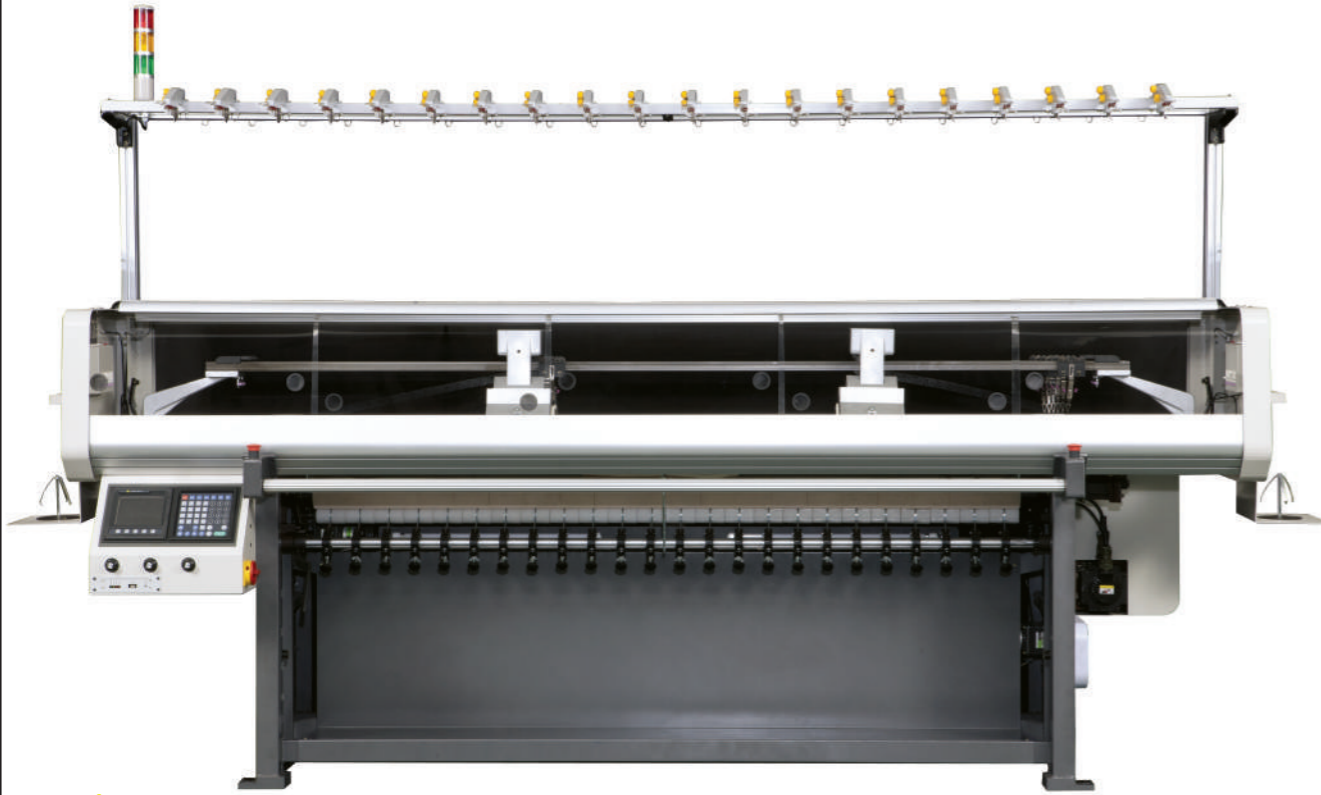
提供側邊紗線輔送裝置，得使織物在織造過程中得到更優良之送紗品質，破孔機率降低，織造速度得以提升，增加產能。

New upgraded take down system design can deduce the both collar or fabric edge shape curved problem and for easy quality control.

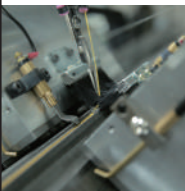


優化下布系統，降低織物兩側變形量，更得以提升產品品質。

Pai Lung Two carriages
Flat knitting Machine

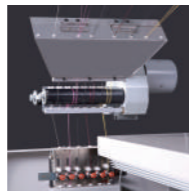


Options
選配



Air nozzle system with pressure regulator- Specially for heavy dirt clean periodically and in knitting area accident deduction.

噴風除塵裝置-該系統具備空壓調節閥，可定時有效清除織造區域逐漸累積之塵絮，降低清車意外問題發生。



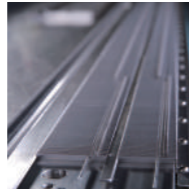
Direct waxing feeding device-To deal with hard yarn feeding problem, which can help in less edge broken situation and increase machine working speed.

及時式過蠟裝置-對應澀度難織入的紗線，提供紗線最佳的潤滑度，可提升布面品質及織造速度，有效降低疵孔發生率。



USB device and software for PC edition- For more program storage and easy edition in PC platform.

USB系統及設計系統-可選購加裝USB裝置，除做為可攜式之儲存，可搭配佰龍提供的專用程式在PC電腦系統上直接編輯程式後於機台上使用。



Segment plate type needle bed- Depends on demand.

插片式針板- 依據客戶指定需求而提供

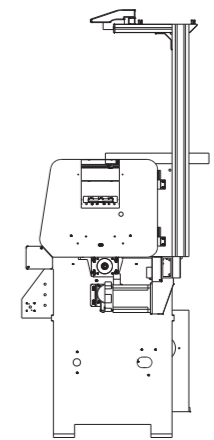
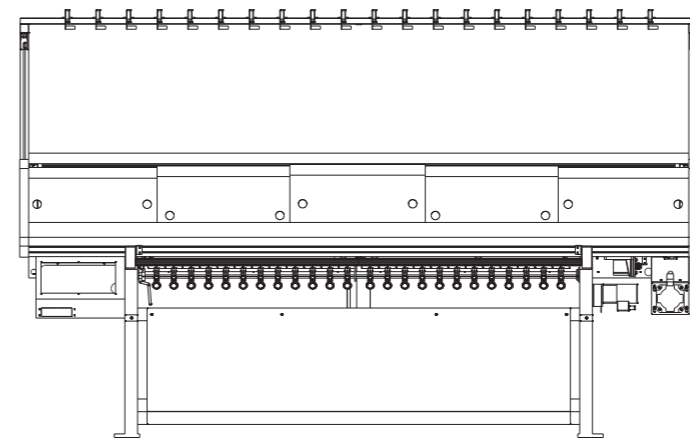


Positive yarn tension feeder system-For stable and quicker spandex feeding.

主動式張力控制橡膠紗喂入裝置- 相較於一般被動拉入橡膠線之做法，主動式裝置更能提供穩定的橡膠紗之送紗品質及提升織造速率。

Spandex stroke saving device-Improving spandex work feeding efficiency.

橡膠紗添紗節程系統- 加裝之專門橡膠紗同步連動喂入裝置，於單色及兩面雙色織片織造時減少空趟次數，進而大幅提升產能效率。



Net/ Gross weight: 淨重/毛重

60" model- 720kg/950kg

80" model- 800kg/1050 kg

Length x Width x Height 長x寬x高

60" 2700x880x2000 (mm)

80" 3200x 880x2000 (mm)

Specifications

Pai Lung Two carriages Flat knitting Machine

針距範圍	7G, 10G, 12G, 14G, 16G, 18G。
織造寬度	總寬 60" /152cm (可達布寬 26" x2 件~50" x1 件) 80" / 203cm (可達布寬 36" x2 件~70" x1 件)。
機頭系統	雙機頭設計。可合併成一組系統或分離成兩個單口系統。
編織功能	提供一般織/吊目(集圈)/不織功位，前後床織針配合高低針腳及一段推針片。
編織速度	編織速度因針速和編織條件而有不同。最高可達1.2m/sec。
編織密度(度目)	以步進馬達控制度目0~99段選擇。
搖床	左右端各可搖半寸範圍，依需求每次搖1/2針。
導軌	配置3支導軌。
紗嘴	單側機頭以6個紗嘴配置，共12個紗嘴。
傳動方式	使用時規皮帶做往、復式運轉。
多段可調式過紗架	左右兩邊各6支設計。
上段張力天線	60" - 16個張力裝置，80" - 20個張力裝置。
送紗裝置	佰龍輔助送紗系統。
下布羅拉	組合式羅拉，AC感應馬達控制。
自停裝置	斷紗、紗結、紗線張力、落布、倒捲、機頭異位、搖床異位、撞針、馬達過載、程式錯誤等狀況自動停機。
三色操作警示燈	以不同燈色顯示機台狀態。
花型輸入	系統含輔助程式等可容納24組花色。可另購USB儲存裝置。
系統顯示	微電腦LCD彩色液晶顯示，可直接輸入及更改及儲存24組程式。
語言種類	中文/英文，可直接切換。可以需求配合修改其他語系。
備用電源	斷電時使用UPS系統完成該趟織造後停機，待復電續織。
緊急自鎖開關	機台左右各有1只，遇緊急可立即按下停車鈕，切斷電源。
密閉式工作區域	推拉門設計以保護人員並兼防塵及減低噪音。
輸入電壓	單相AC 220V+/- 10%, 50~60 Hz。

選配

- 疊紗紗嘴
- USB 儲存裝置及PC編輯程式
- 自動噴風除塵裝置
- 多段行程功能
- 基本被動式橡膠紗添入裝置
- 主動電子式橡膠紗添入裝置
- 直接過蠟系統
- 配合橡膠紗添入之節程系統
- 插片式針板

*上規格配備若有變更，無法先行通知，仍以實體為主。

Gauge	7G, 10G, 12G, 14G, 16G, 18G
Knitting Width	60" / 152cm (max. 26"x2 pc ~ 50"x1 pc). 80" / 203cm (max. 36"x2 pc ~ 70"x1 pc).
Carriages	2 units with individual or tandem function (1+1 sys.).
Camming	3 tech ways for needle and one butt jack control.
Knitting speed	Max. 1.2m/s depends on yarn materials & tension.
Stitch control	0~99 levels by stepping control.
Racking system	1/2 needle each pitch stepped right or left by program.
Rail system	3 units.
Yarn carriers	1 carriage controls 6 units. Total 12 units.
Side Tension	6 units/ each side.
Top Tension	60"- 16 units, 80"- 20 units.
Side Aux. feeding	2 units.
Take down	Combined rubber rollers with motor control and adjustment.
Auto stop device	Yarn broken, knobs, Anti-rewind, needle detect, shock stop and program error.
Operating lamp	Green-Normal. Yellow- work completed. Red- abnormal.
Controller	Color LCD for program input and 24 files storage allowed.
Program	English & Chinese version. Other language is possible.
Backup power	When power stop, carriages can complete current course then wait power back for continue work.
Emergency stop	Two emergency buttons for quick power stop.
Secured platform	Transparent covers for noise reduction and personal safety.
Safety	Full covey & illumination.
Power input	Single phase AC 220+/- 10%, 50-60 Hz.

Optional device:

- Plating yarn carrier
- USB device & Edition software
- Air nozzle clean system
- Variety strokes function
- Basic Lycra feeding device
- Positive Lycra feeding device
- Direct waxing device
- Lycra stroke saving device
- Needle segment plate bed

*Above equipment maybe changed without notice.