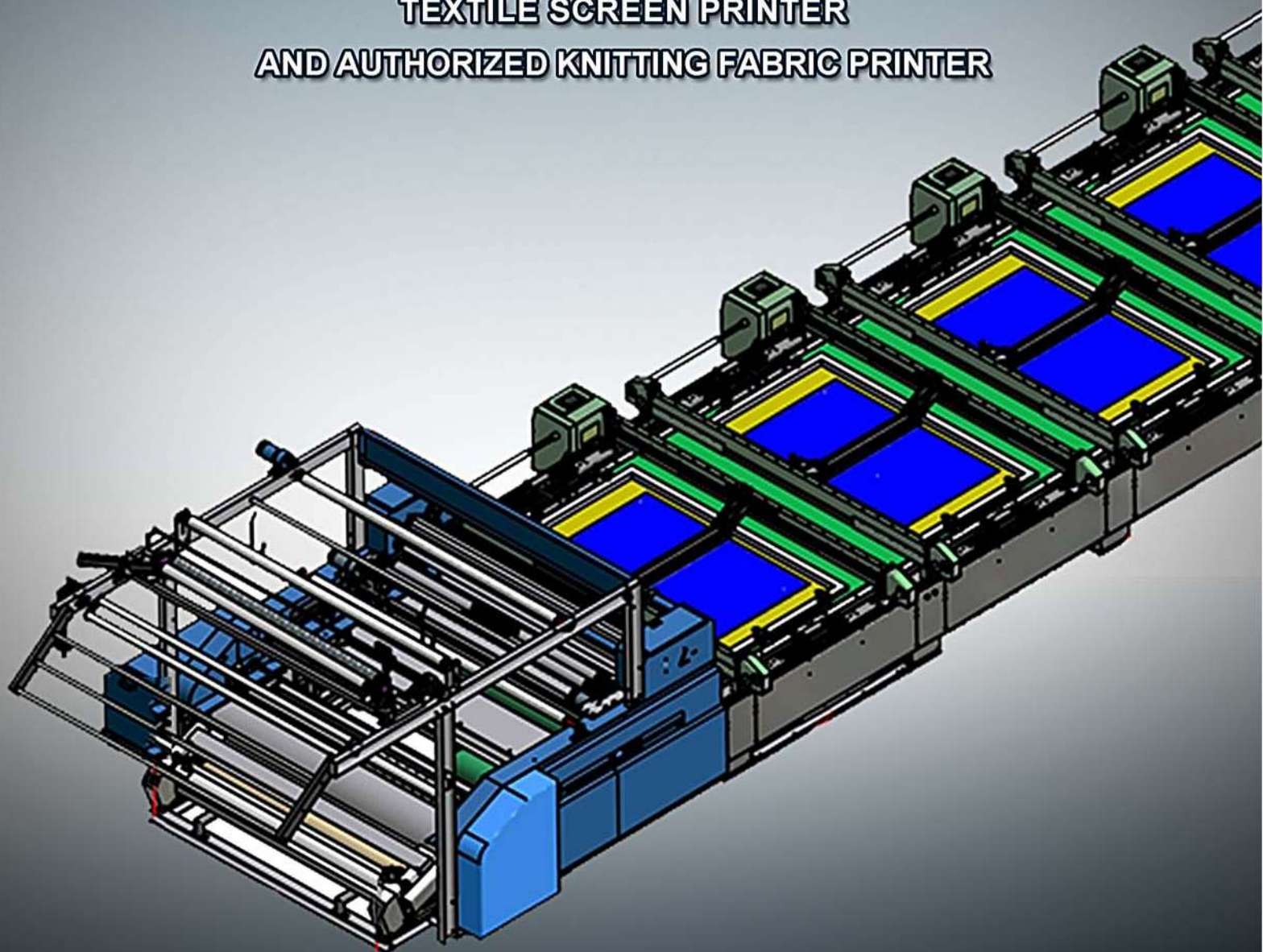




宗龍電腦化 全自動布匹印花機 針織布專業印花機

CHORNG LUNG COMPUTERIZED FULL-AUTOMATIC
TEXTILE SCREEN PRINTER
AND AUTHORIZED KNITTING FABRIC PRINTER





宗龍機械

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產品介紹 Product Introduction

W-700 youku 优酷 http://v.youku.com/v_show/id_XNTA2NTA5ODQ0.html

全自動布匹印花機總圖 General Drawing of Full-Automatic Textile Screen Printer

項目 Item	品名 Name	項目 Item	品名 Name	項目 Item	品名 Name
1	上皮帶膠刀裝置 Permanent & Thermoplastic Adhesive Scraper Device	5	傳動機構 Driving Device	8	水洗機構 Washing Device
2	上水膠機構 Aqueous Adhesive Gluing Device	6	螺桿伺服升降機構 Screw Servo Lift-Up or Down System	9	預洗機構 Prewashing Device
3	入布機構 Cloth Feeding Device	7	印刷機構 Printing Device	10	電控箱 Electric Control Panel
4	骨架機構 Framework Device				

一、型號：

W700型自動平網印花機(2000mm*1000mm*12C)

二、規格：

1. 印花機主機外型尺寸:30500mm(長)*3635mm(寬)*2600mm(高)
2. 印花規格(布寬*版距):2000mm*1000mm
3. 印花套色:12色
4. 印花有效台板長度:24000mm
5. 印花導帶寬度:2450mm

三、適用範圍：

1. 適用印花原采料:棉、滌/棉、真絲及其混紡物
2. 電源:380V±5%
3. 水源:一般工業用自來水
4. 烘箱熱源:導熱油或蒸汽或瓦斯

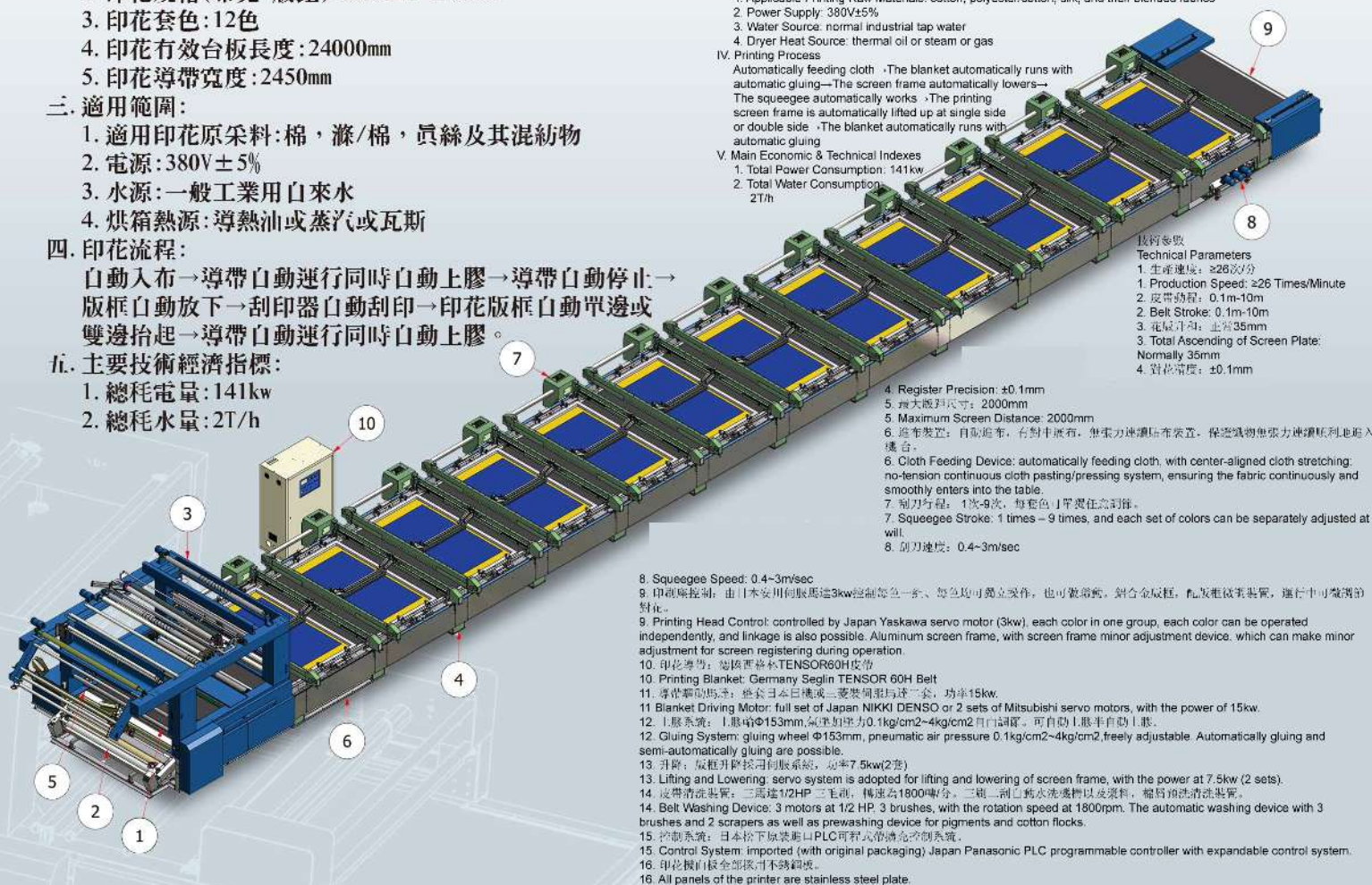
四、印花流程：

自動入布→導帶自動運行同時自動上膠→導帶自動停止→版框自動放下→刮印器自動刮印→印花版框自動單邊或雙邊抬起→導帶自動運行同時自動上膠。

五、主要技術經濟指標：

1. 總耗電量:141kw
2. 總耗水量:2T/h

- I. Model:
Model W700 Automatic Flat Screen Textile Printer (2000mm*1000mm*12C)
- II. Specification
1. Overall Dimensions of Printer Main Machine: 30500mm (Length) *3635mm(Width)*2600 (Height)
2. Printing Specification (Cloth Width * Screen Frame Distance): 2000mm*1000mm
3. Printing Colors: 12 Colors
4. Length of Valid Printing Table: 24000mm
5. Width of Printing Blanket: 2450mm
- III. Applicable Scope
1. Applicable Printing Raw Materials: cotton, polyester/cotton, silk, and their blended fabrics
2. Power Supply: 380V±5%
3. Water Source: normal industrial tap water
4. Dryer Heat Source: thermal oil or steam or gas
- IV. Printing Process
Automatically feeding cloth →The blanket automatically runs with automatic gluing→The screen frame automatically lowers→The squeegee automatically works →The printing screen frame is automatically lifted up at single side or double side →The blanket automatically runs with automatic gluing
- V. Main Economic & Technical Indexes
1. Total Power Consumption: 141kw
2. Total Water Consumption: 2T/h



- 技術參數
Technical Parameters
1. 生產速度: ≥26次/分
 2. 皮帶動程: 0.1m-10m
 3. 花版升程: 正負35mm
 3. Total Ascending of Screen Plate: Normally 35mm
 4. 印花精度: ±0.1mm

4. Register Precision: ±0.1mm
5. 最大版距尺寸: 2000mm
5. Maximum Screen Distance: 2000mm
6. 進布裝置: 自動進布, 有對中裝置, 無張力連續貼布裝置, 保證織物無張力連續順利地進入機台。
6. Cloth Feeding Device: automatically feeding cloth, with center-aligned cloth stretching; no-tension continuous cloth pasting/pressing system, ensuring the fabric continuously and smoothly enters into the table.
7. 刮刀行程: 1次-9次, 每套色可單獨任意調整。
7. Squeegee Stroke: 1 times - 9 times, and each set of colors can be separately adjusted at will.
8. 刮刀速度: 0.4-3m/sec
8. Squeegee Speed: 0.4-3m/sec
9. 印刷版控制: 由日本安川何根馬達3kw控制每色一套, 每色均可獨立操作, 也可做聯動, 鋁合金版框, 配版框微調裝置, 運行中可微調的對位。
9. Printing Head Control: controlled by Japan Yaskawa servo motor (3kw), each color in one group, each color can be operated independently, and linkage is also possible. Aluminum screen frame, with screen frame minor adjustment device, which can make minor adjustment for screen registering during operation.
10. 印花導帶: 德國西格林 TENSOR60H 皮帶
10. Printing Blanket: Germany Seglin TENSOR 60H Belt
11. 傳動輔助馬達: 由日本白鐵機三葉葉扇型掛二套, 功率15kw
11. Blanket Driving Motor: full set of Japan NIKKI DENSO or 2 sets of Mitsubishi servo motors, with the power of 15kw.
12. 上膠系統: 上膠輪Φ153mm氣壓加壓力0.1kg/cm2-4kg/cm2自由調整。可自動上膠半自動上膠。
12. Gluing System: gluing wheel Φ153mm, pneumatic air pressure 0.1kg/cm2-4kg/cm2, freely adjustable. Automatically gluing and semi-automatically gluing are possible.
13. 刮刀: 板框升降刮印刮膠系統, 功率7.5kw(2套)
13. Lifting and Lowering: servo system is adopted for lifting and lowering of screen frame, with the power at 7.5kw (2 sets).
14. 皮帶清洗裝置: 三馬達112HP 三毛刷, 轉速去1800轉/分, 三刷二刷自前水洗機構以及滾料, 編織物清洗裝置。
14. Belt Washing Device: 3 motors at 112 HP, 3 brushes, with the rotation speed at 1800rpm. The automatic washing device with 3 brushes and 2 scrapers as well as prewashing device for pigments and cotton flocks.
15. 控制系統: 日本松下原裝基PLC可程式電腦控制系統。
15. Control System: imported (with original packaging) Japan Panasonic PLC programmable controller with expandable control system.
16. 印花機面板全部採用不銹鋼板。
16. All panels of the printer are stainless steel plate.

W-700



產品介紹 Product Introduction

W-700

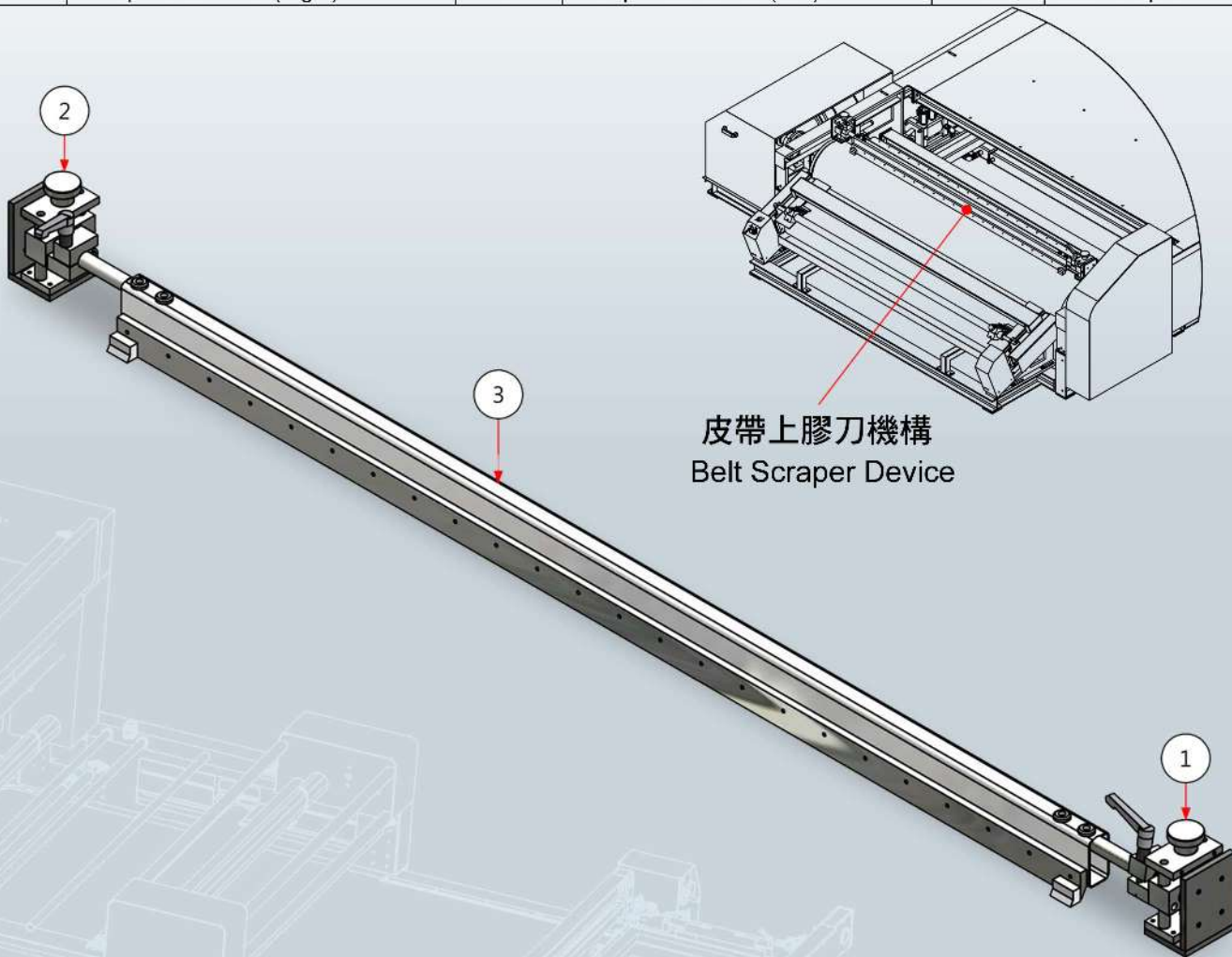
皮帶上膠刀機構 Belt Gluing Scraper Device

長纖維物專用，手動升降調整座搭配不銹鋼刮刀，不易磨損，上膠平順。

For synthetically fabric use especially. User can lift up the adjustable seat or down by manual control. Equipped with the stainless holder and durable squeegee that make gluing extremely smoothly.

項目	品名	項目	品名	項目	品名
1	上膠刀夾座組(右)	2	上膠刀夾座組(左)	3	皮帶上膠刀

Item	Name	Item	Name	Item	Name
1	Scraper Holder Set (Right)	2	Scraper Holder Set (Left)	3	Belt Scraper



CL-900 CL-800 W-700



產品介紹 Product Introduction

W-700

上水膠機構 Aqueous Adhesive Gluing Device

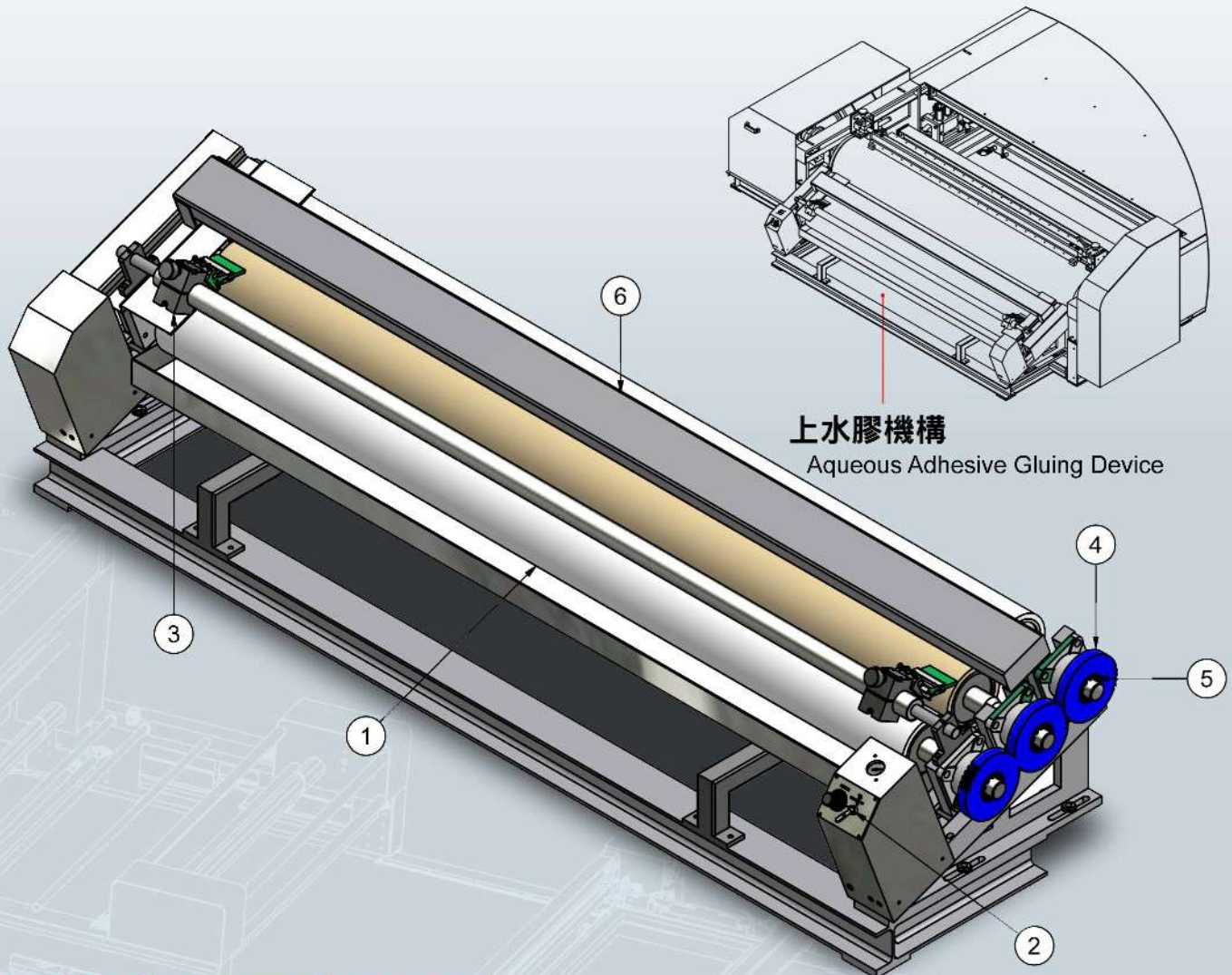
短纖維專門，氣壓升降，操作迅速簡單，可自行調整上寬度。

For natural fabric use especially. It is easy and fast to operate for the pneumatic lift-up or down device. Gluing width can be adjusted as user wishes.

上膠輪Φ150mm，氣壓加壓力0.1kg/cm²~4kg/cm²自由調節。自動上膠半自動上膠。

Gluing wheel Φ150mm, pneumatic air pressure 0.1kg/cm²~4kg/cm², freely adjustable. Automatically gluing and semi-automatically gluing are possible.

項目 Item	品名 Name	項目 Item	品名 Name	項目 Item	品名 Name
1	水膠輪Φ 150mm Aqueous Adhesive Gluing WheelΦ 150mm	3	刮刀夾組 Scraper Holder Set	5	免鍵式鎖環 Keyless Lock
2	控制面板 Control Panel	4	上水膠齒輪組 Aqueous Adhesive Gluing Gear Set	6	上膠保護杆 Gluing Protection Rod





產品介紹 Product Introduction

W-700

入布機構 Cloth-Feeding Arrangement

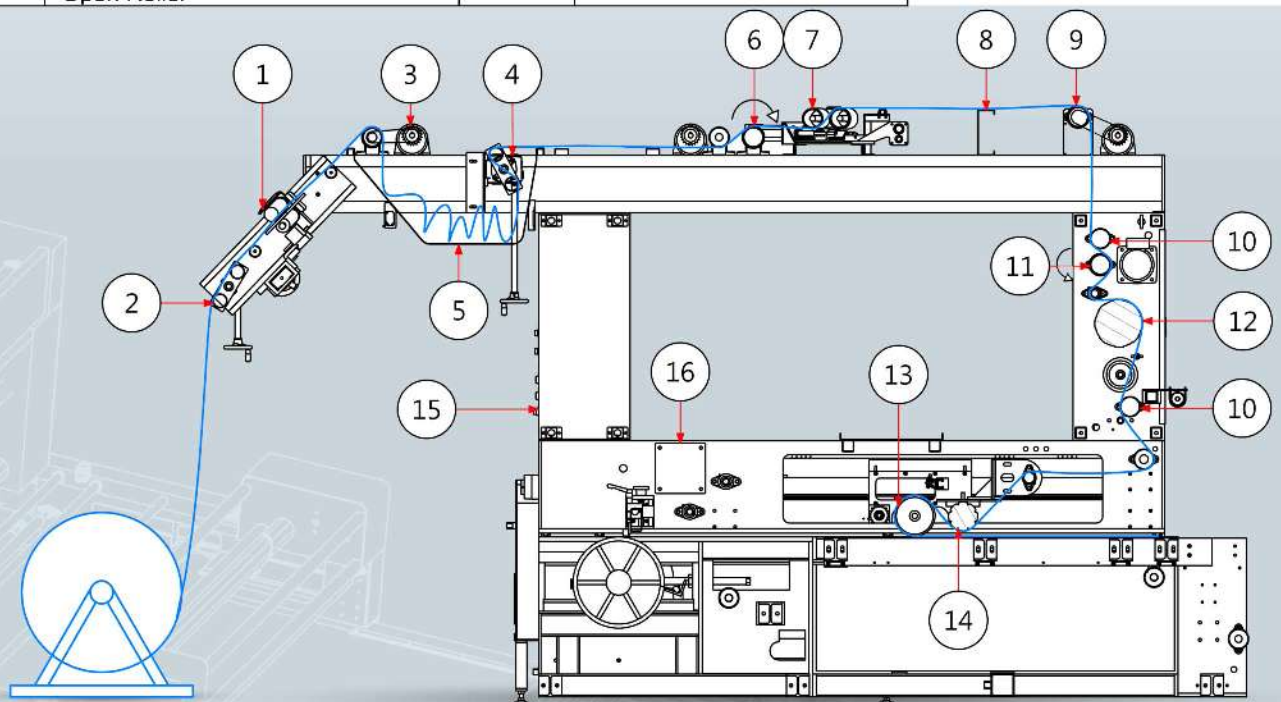
全自動無張力連續進布裝置

Full-Automatic No-Tension Continuous Cloth Feeding Device

全自動入布系統由氣壓導輪、儲布槽調整輪、蛇行校正器、黏布輪、WEB對邊機、松式連續貼布裝置所組成。途中經三對邊校正及二道展開工作，保證入布平整無張力，不卷邊。特別對針織物及易卷邊織效果尤為明顯。

Full-automatic cloth feeding system is composed by pneumatic guide wheel, fabric storage chamber adjustment wheel, roller guider, stick roller, WEB straightener, loose-type continuous cloth pasting/pressing system etc. Through three steps of edge-alignment and two steps of opening, the fed cloth is ensured without tension or hemming. It is especially obvious for knitted fabrics and easily-hemming fabrics.

項目 Item	品名 Name	項目 Item	品名 Name	項目 Item	品名 Name
1	自動導布器 Automatic Cloth Guider	7	蛇行校正器 Roller Guider	12	WEB 對邊機 WEB straightener
2	張力調整器 Tension Adjustment Device	8	支撐架 Support Frame	13	壓布輪 Cloth Pressing Wheel
3	送布輪、送布馬達 Cloth -Feeding Roller and Cloth -Feeding Motor	9	同步送布輪 Synchronous Cloth Feeding Wheel	14	鋁制展開輪 Aluminum Open Roller
4	張力調整器 Tension Adjustment Device	10	黏布輪 Stick Roller	15	入布控制箱 Feeding Cloth Control Cabinet
5	儲布槽 Fabric Storage Chamber	11	展開輪 Open Roller	16	2HP 入布馬達 2HP Cloth Feeding Motor
6	展開輪 Open Roller				



CL-900 CL-800 W-700



產品介紹 Product Introduction

W-700

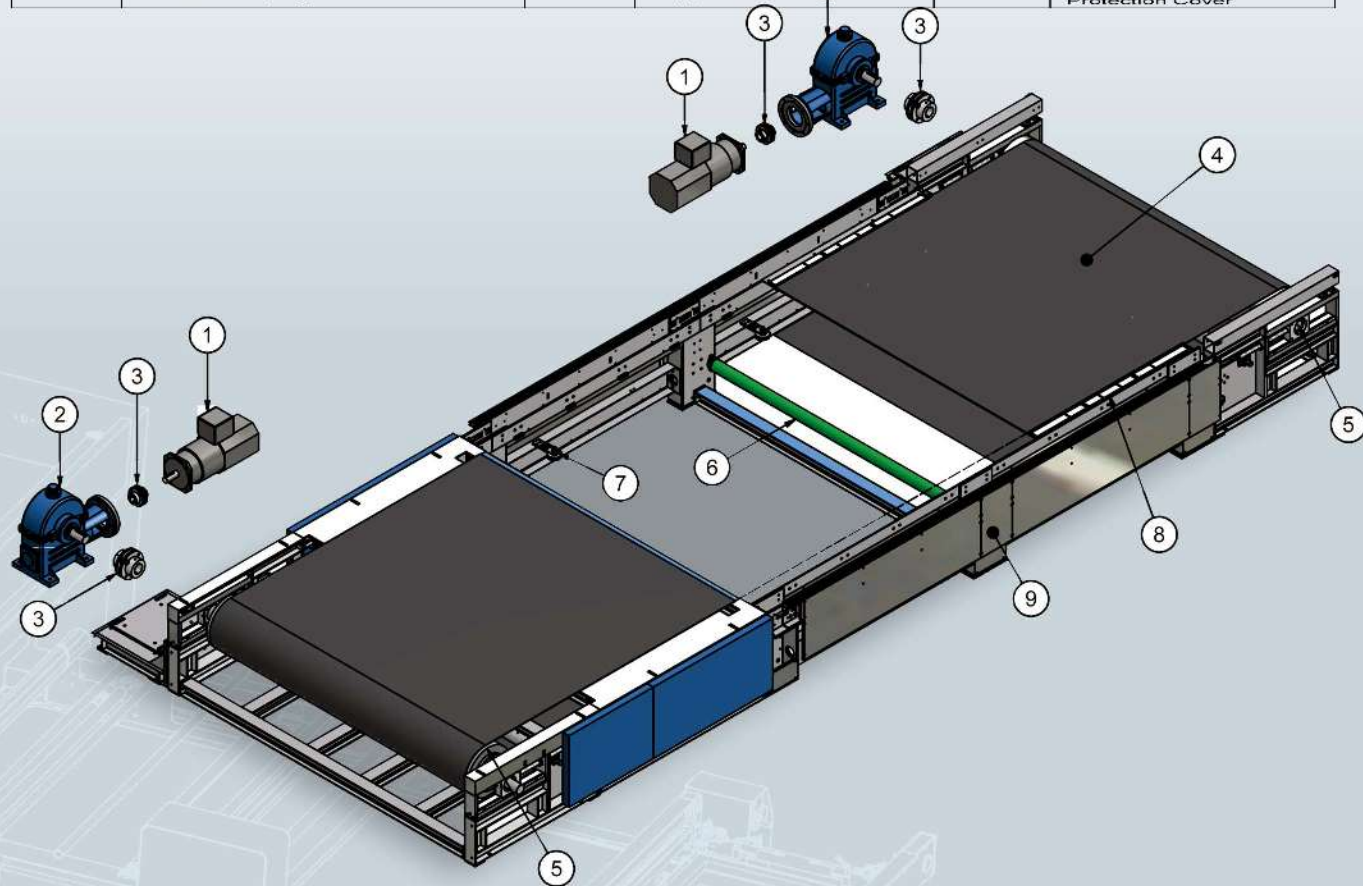
傳動機構 Driving Device

印花皮帶傳動機構採用全電腦化伺服主、從動雙馬達經減速機（1:30或1:20）帶動400mm研磨滾輪，定位精確。動程可在0.1m~10m間任意設定，自動顯示，皮帶行程精度為+0.1mm。

Printing belt driving device adopts fully-computerized servo double motors (driving motor and driven motor), which drive the 400 mm grinding roller through the gear reducer (1:30 or 1:20), with accurate positioning. The stroke can be set at will between 0.1m~10m, with automatic display, and the belt stroke accuracy is +0.1mm.

項目	品名	項目	品名	項目	品名
1	日本伺服電馬達20HP,日機or或三菱	4	德國西格林TENSOR60H皮帶	7	皮帶導輪組
2	減速機200#	5	傳動滾輪Ø400	8	白鐵皮帶壓版
3	可撓性聯軸器	6	支撐輪	9	骨架和護蓋

Item	Name	Item	Name	Item	Name
1	Japan Servo Motor 20HP, NIKKI DENSU or Mitsubishi	4	Germany TENSOR 60H Belt Seglin	7	Belt Guiding Wheel Set
2	Gear Reducer 200#	5	Transmitting Roller	8	Galvanized Iron Belt Clamp
3	Flexible Coupling	6	Support Roller	9	Framework and Protection Cover



CL-900 **CL-800** **W-700**



產品介紹 Product Introduction

W-700



<http://www.youtube.com/watch?v=KJuWEKBvkzU>

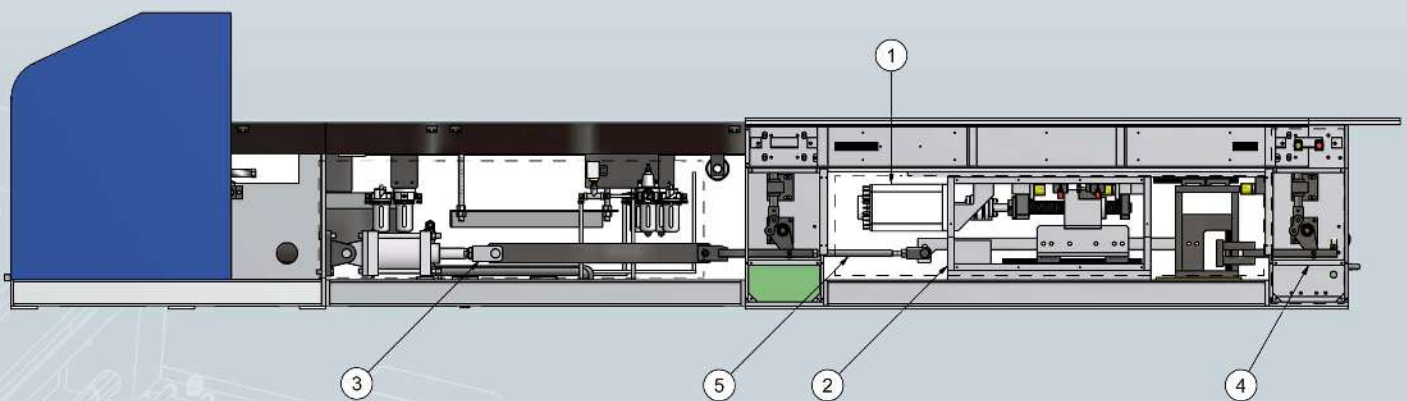
螺桿伺服升降機構 Screw Servo Lift-Up or Down System

升降裝置採用伺服控制系統，功率7.5KW，噪音低，動作平穩，印花時可根據需要而單邊升降。

The lift-up or down device adopts servo control system, with the power of 7.5 KW, low noise, stable action, which can lift or lower single side as needed when printing.

項目	品名	項目	品名	項目	品名
1	台達伺服馬達7.5KW	3	自動配重緩衝裝置	5	升降連桿裝置
2	伺服螺桿升降裝置	4	曲臂裝置		

Item	Name	Item	Name	Item	Name
1	Delta Servo Motor 7.5KW	3	Automatic Weight Balance Device	5	Lift-Up or Down Connecting Rod Device
2	Screw Servo Lift -Up or Down Device	4	Turning -Ram Device		



CL-900 **CL-800** **W-700**



產品介紹 Product Introduction

W-700

印刷機構 Printing Device

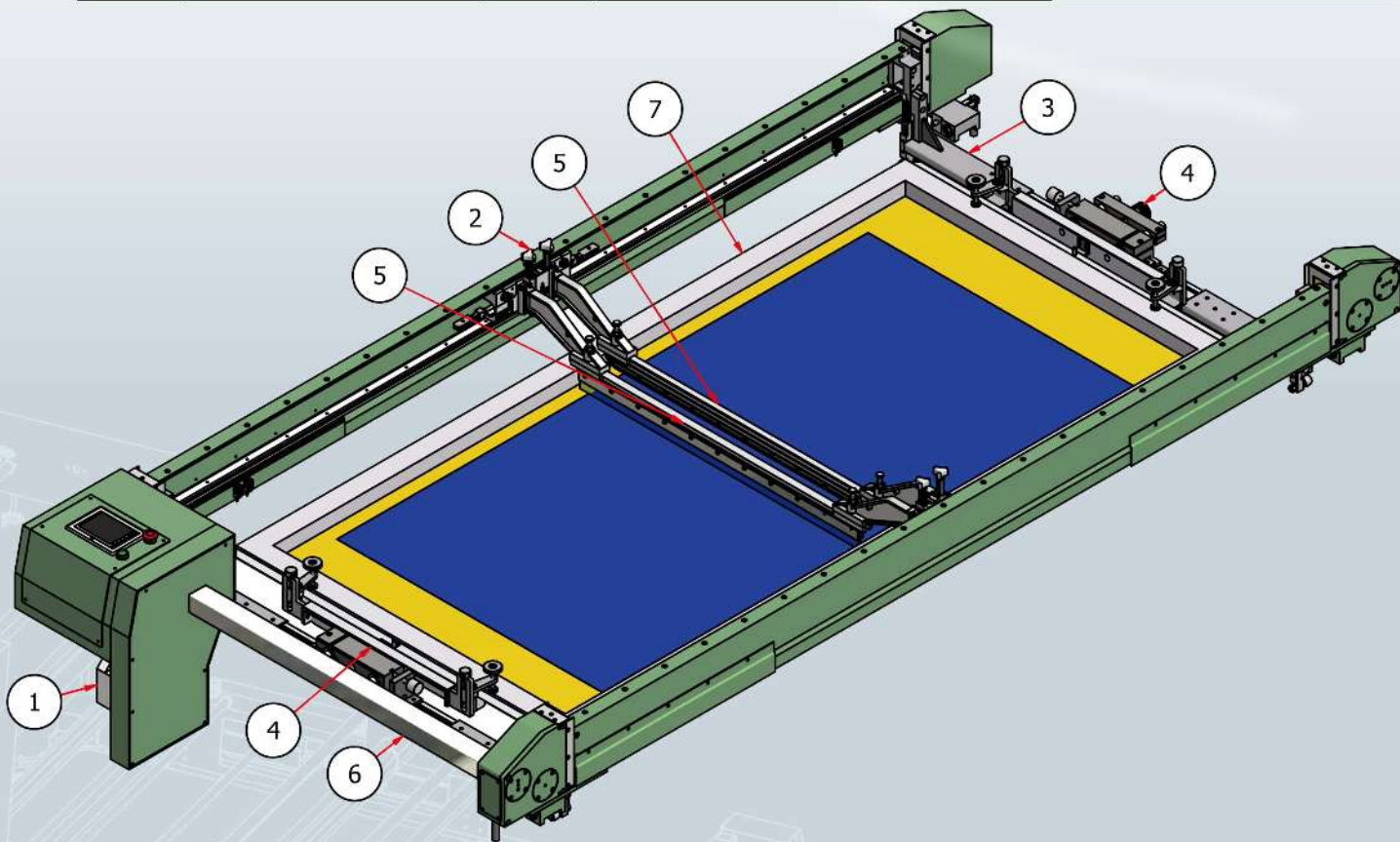
B型-鳩尾座調版裝置

Type B- Dovetail Seat Screen Frame Adjustment Device

完全獨立的印花座，採用安川伺服馬達3KW，工作平穩耐用，每座刮印次數（1-9次），可任意獨立設定速度。刮刀壓力調節方便，可縮短換版時間。

Absolutely-independent printing station, adopting YASKAWA servo motor 3KW, working stably and durably, printing times of each station (1-9 times), and the speed can be set independently at will. Squeegee pressure adjustment is convenient, and the time for changing screen frame can be shortened.

項目 Item	品名 Name	項目 Item	品名 Name	項目 Item	品名 Name
1	印刷伺服馬達和驅動器 3KW Printing Servo Motor and Driver 3KW	4	版框微調裝置(鳩尾座式) Screen Frame Slightly -Adjust Device (Dovetail Seat Type)	7	鋁框 Aluminum Screen Frame
2	東中式刮刀轉換器 L-Type Squeegee Converter	5	刮刀含優力膠 Squeegee (including Polyurethane)		
3	版框幅寬固定裝置 Screen Frame Width Lock Up Device	6	傳動杆和保護蓋 Transmission Bar and Protection Cover		



W-700



產品介紹 Product Introduction

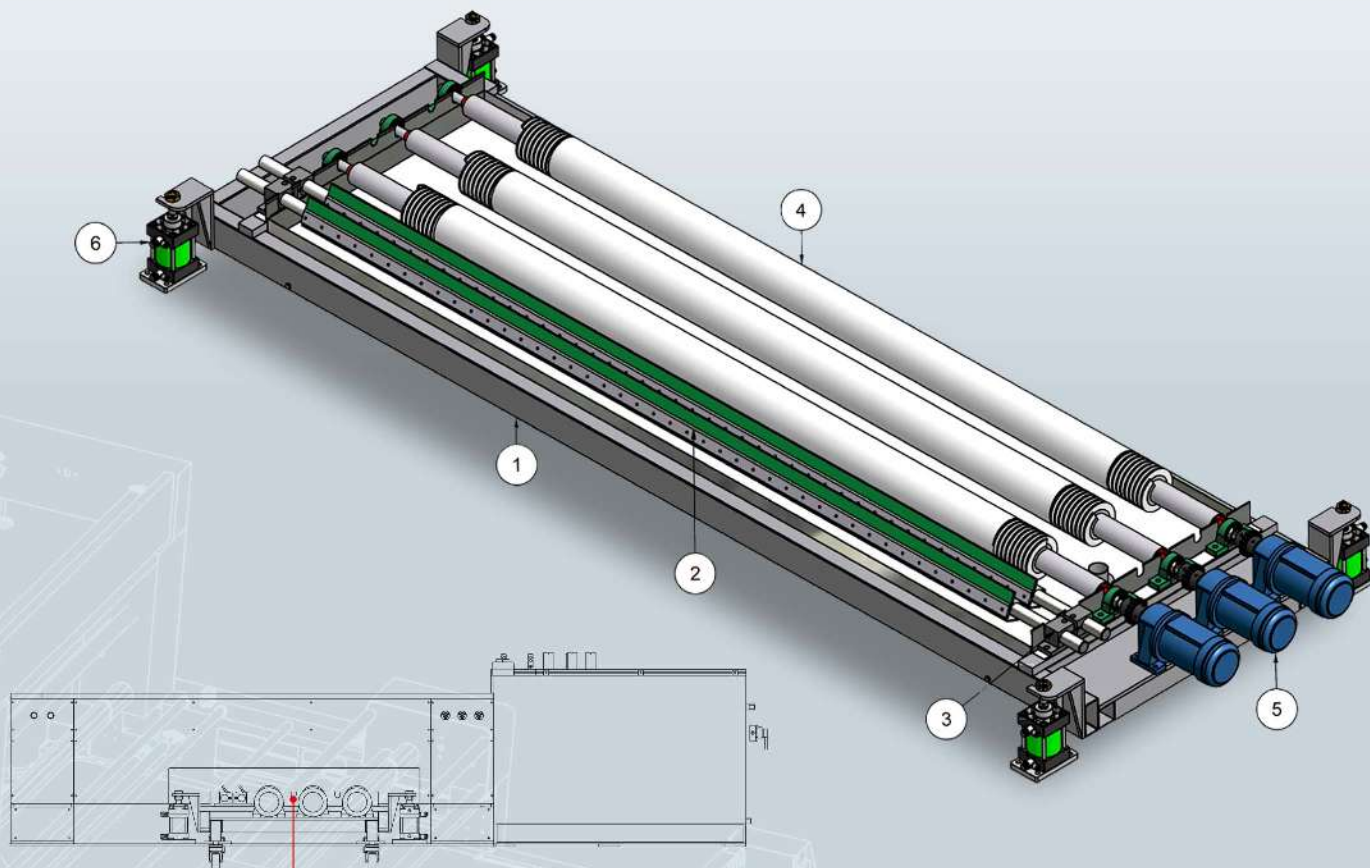
W-700

水洗機構 Washing Mechanism

本機構由三支輻射式毛刷及不銹鋼槽構成的氣動式水洗裝置所組成，可徹底清除皮帶上的棉屑，二支刮水刮刀可以刮淨皮帶之色漿污漬及水分。

It is composed by three radial brushes and stainless steel tank which is driven pneumatically. The paste can be totally cleaned. In addition, the pigment stains and two scrapers can clean moisture. The device can be pulled out from machine for cleaning and maintenance.

項目 Item	品名 Name	項目 Item	品名 Name	項目 Item	品名 Name
1	水洗骨架 Washing Frame	3	雙刮刀固定座 Double-Scraper Holder	5	水洗馬達 Washing Motor
2	水洗刮刀 Washing Scraper	4	水洗毛刷 Washing Brush	6	水洗汽缸 Washing Cylinder



水洗機構 Washing Mechanism

CL-900

CL-800

W-700



產品介紹 Product Introduction

W-700

預洗機構 Prewashing Device

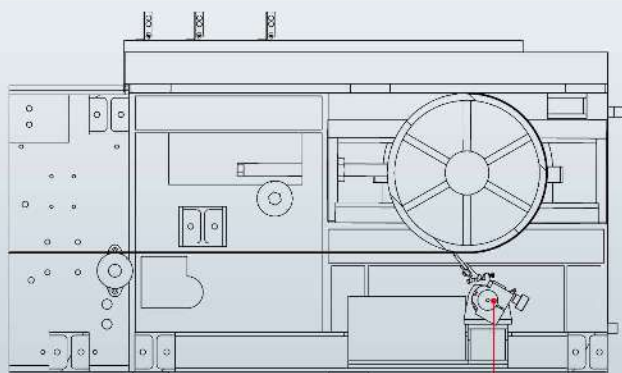
皮帶預洗機構

Belt Prewashing Device

刮預洗先清除皮帶上沾染之大部分色漿

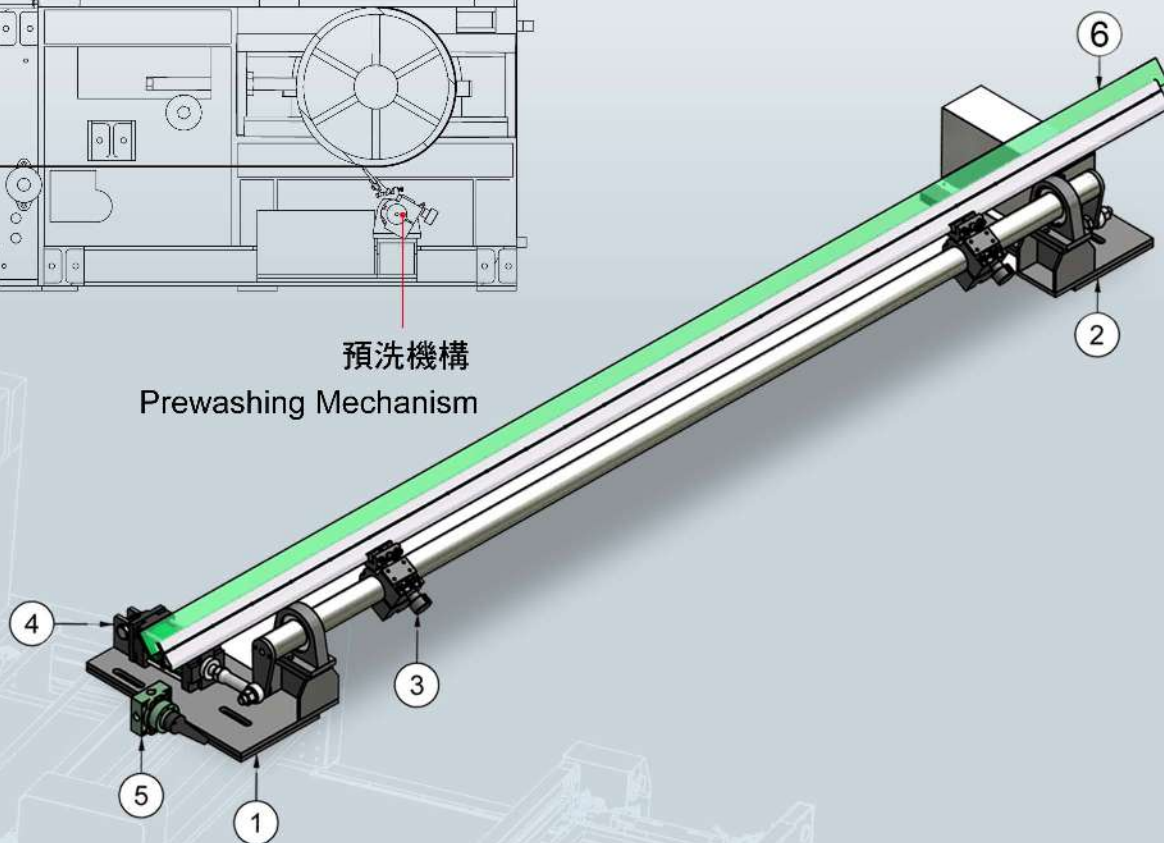
It can pre-clean most of pigment on the belt by water or scraper.

項目 Item	品名 Name	項目 Item	品名 Name	項目 Item	品名 Name
1	預洗汽缸基座 (右) Prewashing Cylinder Base (Right)	3	刮刀夾組 Scraper Holder Set	5	手動閥 Manual Valve
2	預洗汽缸基座 (左) Prewashing Cylinder Base (Left)	4	預洗汽缸 Prewashing Cylinder		



預洗機構

Prewashing Mechanism



CL-900

CL-800

W-700



產品介紹 Product Introduction

W-700

全自動電腦化控制系統 Full-Automatic Computerized Control System

本電腦採用日本PANASONIC控制系統，為全機之指揮中樞，機台之操作說明，動作狀況，定位檢查，異樣檢查，皆在螢幕上顯示出來，一目了然，維修容易。

Our computer adopts Japanese PANASONIC control system. The machine operational description, working condition, positioning check, and irregularity check can be displayed on the screen. Therefore, everything can be seen at a glance that makes operation and maintenance easily.



流程控制面版

Simple Flow Chart Controller



日本國際原裝進口PLC，可程式帶擴充控制系統。
Control System: imported (with original packaging)
Japan International programmable controller with expandable control system.



伺服傳動系統15KW

日機/三菱/安川

Servo Driving System 15kW

NIKKI DENSO/Mitsubishi/YASKAW



- CL-900
- CL-800
- W-700



宗龍機械

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 Tel: +886-938-009-377 Intoma@ms22.hinet.net

W-700 概略尺寸圖

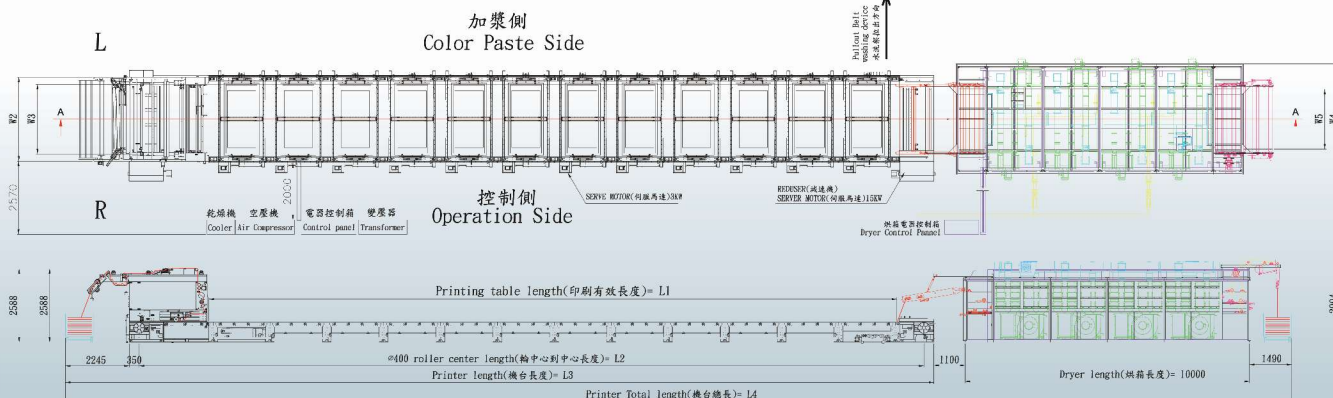
Outline dimension drawings

L Side
左手車
 R Side
右手車

PRINTING WIDTH 布寬	W700機台寬度尺寸 W700 Printer Width Dimension (WIDTH)				
	UV UV Printer Overall Width	UV UV Printer Width	UV UV Printing Belt Width	UV UV Dryer Width	UV UV Teflon Belt Width
2.0M	3835	2950	2450	3880	2100
2.2M	3835	3150	2850	4080	2300
2.4M	4035	3350	2850	4280	2500
2.6M	4235	3550	3050	4380	2700
2.8M	4535	3850	3350	4480	2800
3M	4735	4050	3550	4580	3100

PRINTING LENGTH 印刷有效長度	W700機台長度尺寸 W700 Printer Length Dimension (LENGTH)			
	L1 UV Printer Overall Length	L2 UV Printer Center Length	L3 UV Dryer Length	L4 UV Printer Overall Length
18M	21.0M	24.5M	27.1M	37.1M
20M	23.0M	26.5M	35.1M	
22M	25.0M	28.5M	41.1M	
24M	27.0M	30.5M	43.1M	
28M	31.0M	34.5M	47.1M	
32M	35.0M	38.5M	51.1M	

烘箱 dryer
 10M 12M 14M
 Thermo steam Gas
 熱煤油 蒸氣 瓦斯



詳細規格表 DETAIL SPECIFICATIONS

- Cloth-Feeding Arrangement (自動入布機構)**
 - Cloth guider (自動導布器)
 - Cloth Tension Adjust Device (布緊緊調整裝置)
 - Open roller (展開輪)
 - Roller Guide (蛇行校正器)
 - Stick Roller (黏布輪)
 - WEB-Straightener (WEB對邊機)
 - Aluminum Open Roller (鋁質展開輪)
 - Continuous cloth pasting/pressing system (連續貼布裝置)
- Pre-wash Device (藥料、棉屑預清洗裝置)**
 - Water hose (噴水管)
 - Water removed scraper (刮水刮刀)
 - Lift-up/down device (自動升降機構)
- Printing Belt Cleaning Device (全自動皮帶水洗機構)**
 - Brush (毛刷)
 - 1/2HP AC Motor (馬達)
 - Water hose (噴水管)
 - Water removed scraper (刮水刮刀)
 - Stainless water trough (不銹鋼水槽)
 - Auto lift-up/down by air-cylinder (自動升降汽缸)

- Printing Belt Driving Device (印花皮帶傳動機構)**
 - Japan AC Servo Motor 15kw (日本伺服馬達-日機/三菱/安川)
 - AC Servo Motor Driver (馬達驅動器)
 - Gear Reducer (減速機)
 - Flexible coupling (可機性印刷專用連軸器)
 - Printing Blanket (Seiglin Tensor 60h, Germany) (德國進口印花皮帶)
 - Belt Guiding Wheel (皮帶導輪)
 - Belt Support Roller (皮帶支撐輪)
 - Transmitting Roller: 400mm (傳動羅拉)
 - Padding Belt (墊帶): 2mm
 - Rubber Squeegee Removing Wastage In Printing Belt (印花皮帶去棉架刮刀)
 - Stainless Scraper Removing Wastage On Transmitting Roller (傳動滾輪去棉架刮刀)
- Screw Servo Lift-up Or Down Device (螺桿伺服升降機構)**
 - Servo Motor 7.5kw (伺服馬達 台達/三菱/安川)
 - Screw Servo Lift-up Or Down System (螺桿伺服升降裝置)
 - Lift-Up Or Down Connecting Rod (升降連桿)
 - Lift-Up Or Down Turning-Iam (升降曲臂)

- Auto Gluing Device (自動上膠機構)**
 - (1) For Aqueous Adhesive (水膠)
 - Rubber Roller Dia (包膠輪): 150mm
 - Auto Lift-up Or Down Air-Cylinder (自動升降汽缸)
 - Stainless Water Trough (不銹鋼水槽)
 - (2) For Permanent & Thermoplastic Adhesive (皮帶膠)
 - Scraper (上膠刀)
 - Height Adjustable Scraper Holder (上膠刀調整座)
 - (3) Magnetic Bar Gluing Device (磁棒上膠裝置)
- Independent Twin-Ball Printing Station (獨立雙球印刷座)**
 - Printing Servo Motor 3kw (印刷伺服馬達3kw·安川)
 - Printing System (東申式刮刀)
 - Screen Frame Locked Up Device (版框固定裝置)
 - Screen Frame Slightly-Adjust Device (版框對花微調裝置)
 - Aluminum Squeegee Holder (鋁刮刀夾)
 - Independent Control Box (各自獨立控制箱)
 - Aluminum Screen Frame (鋁框)

- Printer Computerized Control System (印花機電腦控制系統)**
 - Simple Flow Chart controller (流程控制面版)
 - Control Panel (控制箱)
 - Panasonic Programmable Controller (松下電腦可程式控制器)
 - Positioning Device (定位顯示器)
 - Power Supply & Over Relay (電源供應器及保護電路)
- Dryer (布匹烘箱)**
 - 1HP Fan (風車)
 - Teflon Belt (鐵氟龍網帶)
 - Teflon Belt Auto Adjusted Controller (網帶自動校正裝置)
 - Auto Protect Reset Device (自動停止保護裝置)
 - 5hp suction Fan (5HP排氣風扇)
 - Auto-Temperature Control 80°C ~ 100°C (度自動控制箱)
 - Control Panel (控制箱)
 - Variable Speed Device (電子無段變速器)
 - Cloth Conveying-Out Swinging Device (出布擺動裝置)
 - Teflon Belt Driving AC Motor 5HP (網帶傳動)
 - Thermal-Containing Layer 80mm (保溫層80mm)
 - Auto Controlled Cloth Feeding Device (自動控制入布裝置)



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