



### ■ 專業 研發設計人員佔公司組成的 20%

Specialty R & D personnel accounted for 20% of the Company.

### ■ 技術 150 種以上的獨創效能

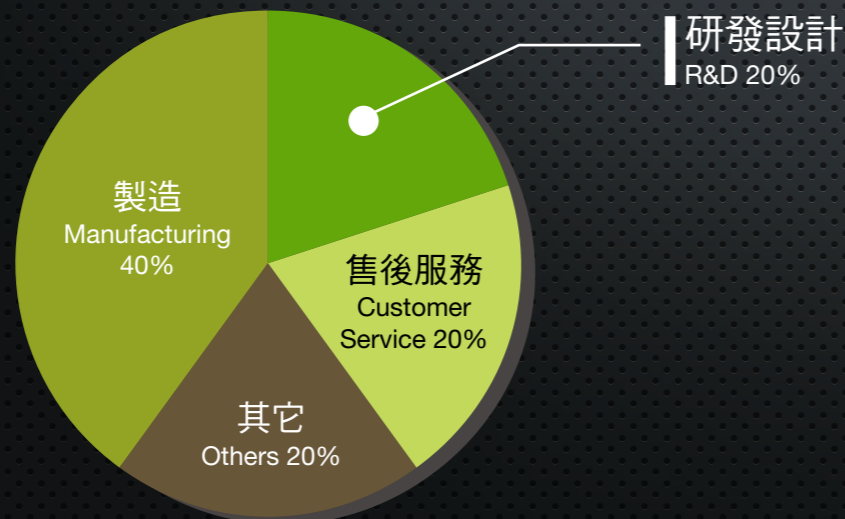
Technology More than 150 kinds of patents and innovative designs.

### ■ 突破 成就台灣瓦楞紙印刷及製箱業界很多的“首例”

Breakthrough Sunrise has led many ‘first times’ within Taiwan corrugated printing machinery industry.

## 公司組織圖

### Organization Structure



- 1999 年 發表台灣第一台吸風傳送印刷機  
Developed Taiwan's first printing equipment with Vacuum Transfer System in the year 1999
- 2000 年 發表台灣第一台固定式印刷機  
Announced Taiwan's first Fixed Type Printer in the year 2000
- 2000 年 發表台灣第一台動態套色修正功能印刷機  
Released Taiwan's first printer equipped with Mark Sensor in the year 2000
- 2002 年 發表高線數伺服控制系統印刷機  
Developed a High-Graphic Printer with Servo Control System in the year 2002
- 2004 年 發表第一台伺服系統固定式下印印刷機  
Developed the first fully self-manufactured Automated Inline Fixed Type Flexo Folder Gluer with Servo Control System in the year 2004
- 2007 年 發表台灣第一台高速固定式印刷機  
Developed Taiwan's first high-speed Fixed Type Printer in the year 2007
- 2008 年 發表第一台震盪去屑伺服計數堆疊單元  
Developed the first Paper scraps disposal & Servo counter stacker in the year 2008
- 2009 年 發表台灣第一台紅外線 (IR) 乾燥單元  
Developed Taiwan's first Infrared Drying Unit in the year 2009
- 2012 年 發表高生產力固定式上印印刷機  
Developed high-productivity Fixed Type Top-Print Printer in the year 2012



## 長聲設備優勢

The advantages of equipment

### 操作系統

#### Operating System

- 生管軟體 Production management software
- 遠端資訊管理 Remote information management
- 生產排單功能 Production scheduling pre-arrangement
- 即時資訊看版 Real-time production data
- 最佳化品質管理 Quality management optimization
- 停機資訊處理 The downtime Information processing
- 客製化功能報表 Customized production report and statement
- 各種管理數據的計算 Systematic calculation of the various management data

### 送紙

#### Feeding Unit Features

- 採用前緣送紙機構。
- 獨特吸風系統，可擴大紙板彎翹的容許度，減少因紙板品質不穩定所造成的送紙障礙(歪斜、移位等)產生不良品。
- 適用紙板厚度範圍1~9mm(AB-E楞)，可滿足各種不同厚薄紙板及橫方向瓦楞送紙等各種生產需求。
- 連結電腦系統預設紙板楞別及尺寸，送紙行程、咬紙間隙、擋板等位置自動調整。
- Employ lead-edge feeding system.
- Unique Vacuum transfer system which increase the tolerance of bent cardboard material and reduce defective production rate due to production barriers including instability of cardboard quality like skewed, bent cardboard, etc.
- Cardboard suitability thickness range is from 1~9mm (AB-E flute). Satisfy a variety of different cardboard thickness/thinness and lateral direction corrugated cardboard feeding and other production needs.
- The integrated production system can easily administer production variables including cardboard type, dimension, feeding length, feeding roller gap and stopper positions.

### 印刷

#### Printing Unit Features

- 精準的印刷位置自動復歸裝置，大幅提高機器運轉效率和減少廢品產生。
- 真空傳送裝置可降低網點蠕動及輕易調整紙板和印版間隙達到輕接觸狀態，確保網點與滿版印刷品質。
- 密閉式刮刀裝置在高低速運轉時都能夠提供相對穩定的墨量，清晰的網點、細字及均勻的滿版印刷，都需要有精細、穩定的油墨供給裝置，為現代印刷機不可或缺的配備。
- 密閉式刮刀裝置，保養便捷，油墨損耗少、清洗時間短，系統穩定性高。
- Precise printing position automatic restoration device significantly increases machine operating efficiency and reduces waste generation.
- Vacuum transfer device can reduce print dot displacement and easily adjust the gap between cardboard and print plate, achieving the state of 'kiss touch'. This ensures print quality of both print dot and full page printing.
- Chamber blade inking device is able to supply relatively stable ink volume during both high and low speed operation. For print dot clarity, fine text and even full page printing are all require fine and stable inking device. It is an essential equipment in modern printer.
- Chamber blade inking device features convenient maintenance, low ink consumption, short cleaning time, and highly stable system.

### 開槽

#### Slotting Unit Features

- 雙刀軸(前、後刀不同軸)型式，擴大紙箱高度範圍，免除前後刀碰撞困擾及減少開槽深度變化時刀具拆卸作業，節省時間。
- 開槽刀通紙間隙固定不需隨紙板厚度調整，提高運轉效率。
- 中刀為移動式，簡化操作程序及滿足各種紙箱製作需求。
- Dual-cutter (front, rear cutter different axle) type, it expands carton height limit, eliminates the problem of front and rear cutter collision, and reduces cutter tools disassembling task complexity when there is a change in slotting depth. It promotes time saving.
- Slotting cutter feeding gap is fixed; therefore, adjustment based on cardboard thickness is not necessary. Machine operation efficiency is increased.
- The centre cutter is movable. Operation procedure is simplified and met all types of carton making demands.

### 模切

#### Die-cutting Unit Features

- 精準與穩定速度補償裝置，刀砧因磨損厚度變化時，紙板仍舊能夠保持相同的模切精準度。
- 模切刀模軸快速鎖模裝置(選配)，大幅縮短更換刀模時間。
- 刀模不需製作特殊固定裝置與手動鎖模(螺絲鎖緊)共用，減少製作刀模費用及大幅縮短更換刀模時間。
- It is equipped with speed compensation device. Cardboard is still able to maintain the same die-cutting precision, when thickness of cutter rubber roll changes due to wear and tear.
- Die-cutting cutter mold roll rapid mold lock-up device (optional) significantly shortens cutter mold replacement time.
- Cutter mold does not require specially made fixed device to share with manual mold lock-up (tightening of screw fastening). This reduces cutter mold making cost and significantly shortens cutter mold replacement time.





## 高產能固定式上印

### High Production Fixed Type

主要規格：1227

主要特長：

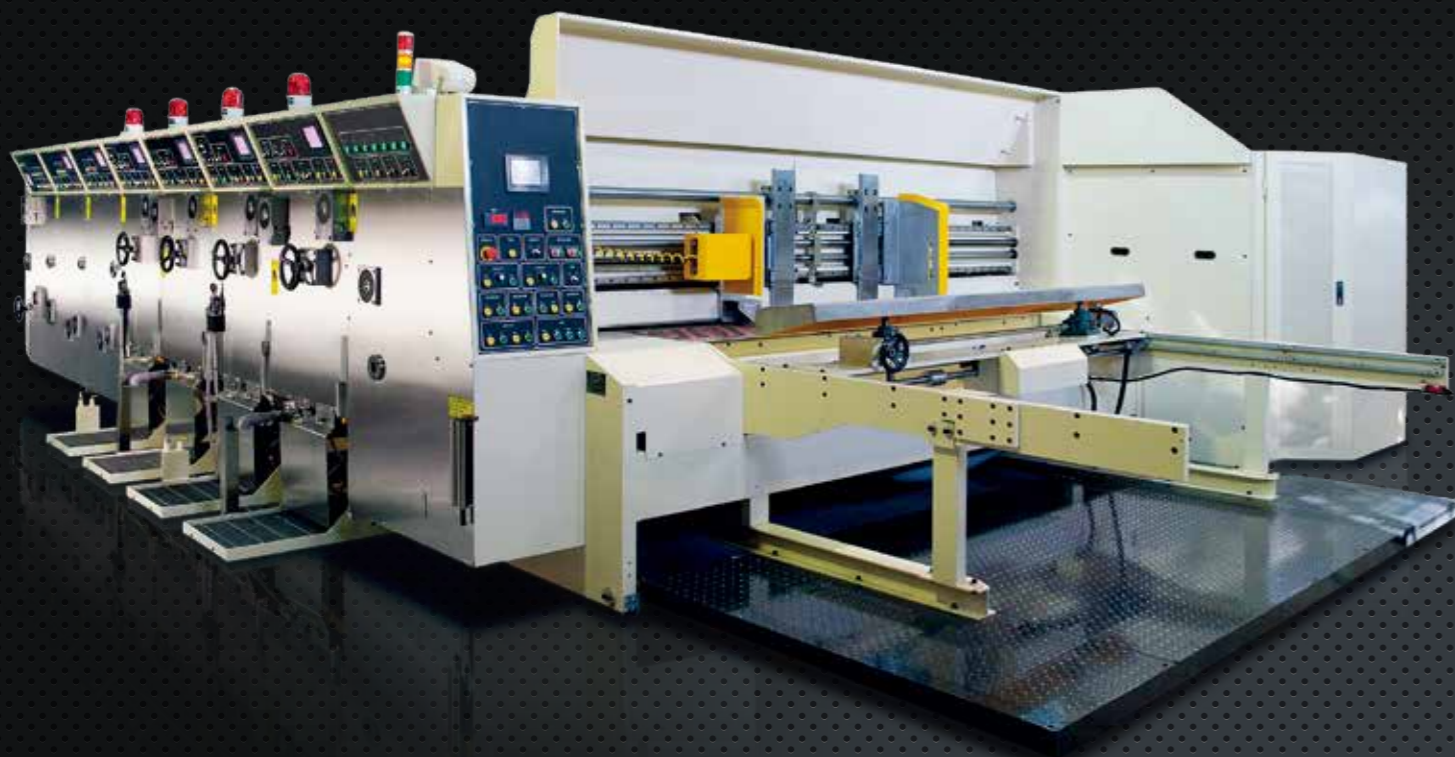
- 超越傳統固定式的設計
- 延伸送紙行程最大化，減低對紙版的破壞
- 3分鐘快速洗墨流程及15秒快速掛版
- 2分鐘高效換單，縮短近4倍的時間
- 低殘墨量設計
- 5分鐘完成模切修膠
- 開槽無隙移刀，可大幅提升刀具的壽命
- 自動缺料偵測功能
- 機座可分離，便於保養維修

Main specification：1227

Main Features：

- Beyond the traditional fixed type design
- Extend-O-Feed auto-adjustable feeding mechanism that allows minimized damage to the cardboard.
- Quick ink-wash and circulation system, which takes only 3 minutes to complete washing process and 15 seconds to reset print plate.
- Order change set-up requires less than 2 minutes.
- Low ink consumption and less residual wasted ink left inside ink chambers.
- Anvil grinding device, the grinding process takes less than 5 minutes.
- Slotting blades are shifted and adjusted flawlessly which increase the lifespan of the slotting blades.
- Auto-detect sensor within feeding device to ensure adequate supply of paper and ink material.
- All units are detachable for maintenance purpose.





## 開合式

### Open Close Type

主要規格：925 1227 1628 1633

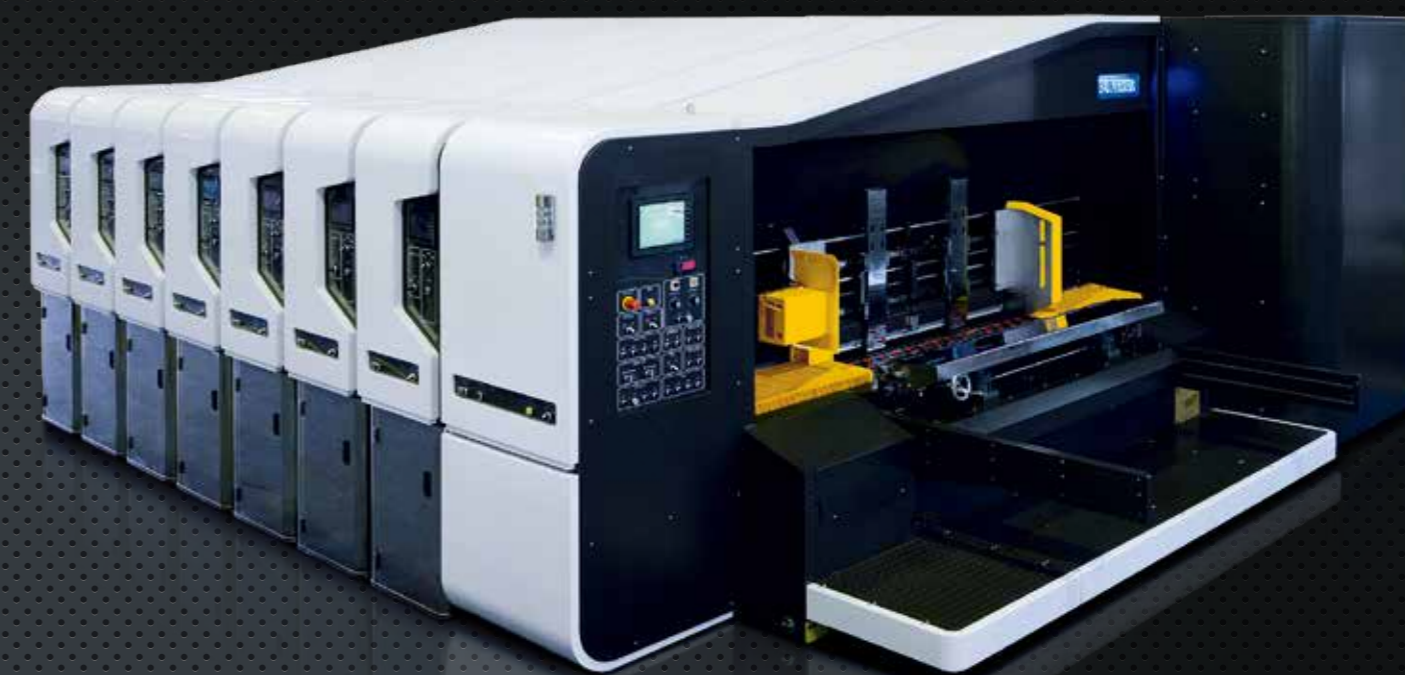
主要特色：

- 適應多元化的紙板
- 相位復歸：生產過程中必要的停機後，開機即可回復到停機前零誤差的相位，無需做任何調整。
- 首樣成品：精密加工機構搭配高速運轉操控系統，實現最佳化記憶狀態，生產第一張即為成品。

Main Model：925 1227 1628 1633

Main Features：

- The Flexo is equipped with enhanced paper feed apparatus to allow accurate transfer of various types of corrugated cardboards.
- Phase re-position: Error free phase re-position function that enables highly accurate restoration of print phase without further adjustment during production interval.
- 1st sample a finished product: High precision mechanical structure equipped with high speed computerized control system, capable of calculating and memorizing optimized order setting value.



## 高效型

### Advanced Open Close Type

主要規格：1227

主要特色：

- 介面圖示化
- 刮刀系統一鍵式操作
- 智能化快速排單
- 流線密閉設計；降噪、防塵

Main Model：1227

Main Features：

- Imagery aided order entry function.
- The concept of "One Touch" control.
- Fast order set-up, easy touse interface.
- Noise reduction, Dust cover prevention.





## 高線數下印 High Resolution

主要規格：1227

主要特色：

- 全伺服馬達驅動
- 套色精準
- 快速切換陶瓷輪設計

Main specification：1221

Main Features：

- Full servo controlled system.
- Great color print registration and overprint precision.
- Twin Anilox exchange system.



## 高速固定式上印 High Speed Flexo Printer

主要規格：618

主要特色：

- 針對小型紙箱所設置之機種，車速可達350張/分鐘

Main Model：618

Main Features：

- This Flexo machine has superb operating speed and great stability; it is made to serve the needs of producing small size cartons in large quantity at high speed.



印刷機規格表

單位：mm

型號	618	925	1227	1628	1633	1227 高產能
最大通紙量 (連續送紙)	600 × 1800	860 × 2500	1150 × 2700	1520 × 2800	1520 × 3300	1100 × 2700
最大通紙量 (隔張送紙)	N/A	1200 × 2500	1600 × 2700	2000 × 2800	2000 × 3300	1250 × 2700
最小通紙量	200 × 455	270 × 750	340 × 750	450 × 750		340 × 750
最大印刷面積	600 × 1700	870 × 2400	1170 × 2600	1560 × 2700	1560 × 3200	1170 × 2600
印刷重複點	700	953	1272	1676		1272
適用紙板厚度	1.5 ~ 8					1.5 ~ 8
最小切槽間隔 (正唛)	110	220		270		220
最小切槽間隔 (側唛)	105	70 mm(無角刀) 100 mm(有角刀)	80 mm(中刀無角刀) 100 mm(中刀有角刀)		80 (中刀無角刀)	
修邊最小切槽間隔 (側唛)	105	120		125		80
FFG 最小切槽間隔 (側唛)	105	130		N/A		130
最大貼合邊寬度	45					45
最大模切面積	600 × 1400	900 × 2300	1200 × 2600	1600 × 2700	1600 × 3200	1200 × 2600
模切刀模軸 固定螺絲孔位置 左右方向	50 mm 間隔 / 其它 (客戶可自行指定規格)					50 mm 間隔
模切刀模軸 固定螺絲孔位置 前後迴轉方向	全圓周 13 等分	全圓周 18 等分	全圓周 20 等分	全圓周 26 等分		全圓周 20 等分
最大堆疊高度	N/A	1800 mm (從地面算起)				1800
S: 關閉型設備	N/A	有	有	有	有	N/A
F: 固定型設備	有	有	N/A	N/A	N/A	有
TV: 上印刷 BV: 下印刷	TV	TV	TV / BV	BV	TV / BV	TV
FFG 柔性印刷糊箱設備	有	有	有	N/A	N/A	有

Printer Specification

Unit : mm

Main Model	618	925	1227	1628	1633	1227 High productivity
Max. Cardboard Size (Continuous Feed)	600 × 1800	860 × 2500	1150 × 2700	1520 × 2800	1520 × 3300	1100 × 2700
Max. Cardboard Size (Skip Feed)	N/A	1200 × 2500	1600 × 2700	2000 × 2800	2000 × 3300	1250 × 2700
Min. Cardboard Size	200 × 455	270 × 750	340 × 750	450 × 750		340 × 750
Max. Print Area	600 × 1700	870 × 2400	1170 × 2600	1560 × 2700	1560 × 3200	1170 × 2600
Repeat Print Point	700	953	1272	1676		1272
Suitable Cardboard Thickness	1.5 ~ 8					1.5 ~ 8
Min. Slotting width (Main mark Width)	110	220		270		220
Min. Slotting width (Side mark Width)	105	70 mm (without glue tabknife) 100 mm (with glue tab knife)	80 mm (No.3 Center Cutter without flap cutter) 100 mm (No.3 Center Cutter with flap cutter)		80 (No.3 Center Cutter without flap cutter)	
Min. Slotting Width with No.5 Cutter (Side mark Width)	105	120		125		80
Min. Slotting Width with Folder Gluer (Side mark Width)	105	130		N/A		130
Max. Width of folding flap	45					45
Max. Die-Cutting Area	600 × 1400	900 × 2300	1200 × 2600	1600 × 2700	1600 × 3200	1200 × 2600
Gap width between screw holes (die-cutter wheel)	50 mm / Others (the customer can decide it as wishes)					50
Front-Rear Direction (Die-Cutting Roll spin direction)	13 equal portions of Full Circle	18 equal portions of Full Circle	20 equal portions of Full Circle	26 equal portions of Full Circle		20 equal portions of Full Circle
Max. Stacking Height	N/A	1800 mm (from the ground)				1800
S:Open/Close Type	N/A	Available	Available	Available	Available	N/A
F:Fixed Type	Available	Available	N/A	N/A	N/A	Available
TV:Top Print BV:Bottom Print	TV	TV	TV / BV	BV	TV / BV	TV
FFG:In Line	Available	Available	Available	N/A	N/A	Available





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