

# 自動CNC送料波型裁剪機

## Automatic CNC Sheet Feeding Scroll Shear

此套CNC鐵鋁皮送料波型裁剪機為三軸同步運動之現代化機器用於預波鐵鋁皮之二次波型裁剪，採用伺服馬達及其運動曲線控制系統，可程式控制整合料片交接系統，送料精確確實。鐵鋁皮於送料機S-B23BH內經分離器分離後由真空吸盤送入CNC送料平台，料片經由橡膠壓輪往前送及吸盤導正後，Y1及Y2軸輪流交替夾住料片將料片送至裁剪區裁剪。裁剪好之波型料片由伺服馬達控制之橡膠壓輪及輸送機帶出。

This CNC sheet feeding scroll shear equipped with three axis synchronized movement is suitable for tin or aluminum pre-scrolled sheet secondary scroll cutting. Reliable linear servo motors, electronic encoder control system are incorporated. Programmable integrated sheet take-over system can get precise sheet feeding. In the sheet feeder S-B23BH, sheet is separated by separating device then is fed by vacuum pads into CNC feeding table. Sheet is carried forward via rubber rollers and is positioned well by a suction pad then Y1 and Y2 axis take turns to clip the sheet and carry the sheet to cutting area. Scrolled strips are ejected out by servo motor controlled rubber rollers and conveyor.

### S-B23BH

### S-B91

Certified by

### ISO-9001

Quality Assurance System



新益機械工廠股份有限公司  
SHIN-I MACHINERY WORKS CO., LTD.

# Speed & Accuracy

## 特點：

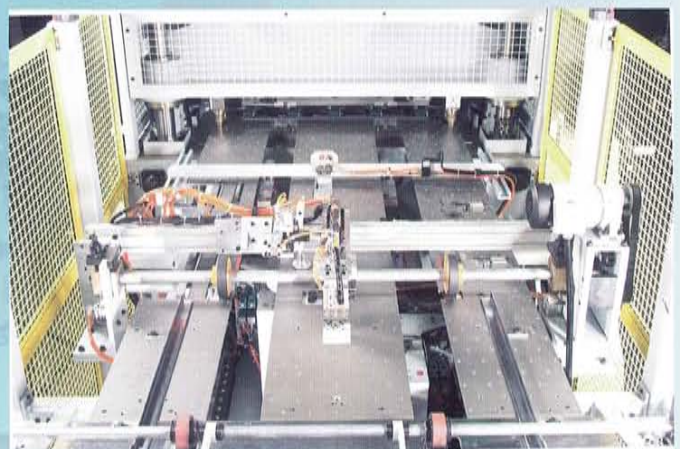
- 採用人機介面觸控螢幕作為核心，螢幕可顯示各軸實際運動曲線。
- 送料運動曲線自動產生及傳輸下載，換型參數設定容易。
- 採用穩定性高之線性伺服馬達執行送料，降低高速運動時產生之慣性。
- 多重安全控制，如氣壓不足、無油、馬達過載。
- 配備空氣離合器及雙張料片偵測，確實可靠。
- 曲柄軸軸襯採用自動黃油潤滑系統。
- 二個緩衝氣缸平衡滑塊及模具重量。
- 出口橡膠壓輪時序由伺服馬達控制，精準確實。
- 適用於預波鐵鋁皮。

## FEATURES:

- Human-machine interface (15" touchable screen) acts as a main control unit.
- Movement orbit generate and download automatically, easy for different strip size parameters set up.
- With two reliable linear servo motors for sheet feeding to reduce the inertia at high speed.
- Multiple safety control ; for example , machine stop for low air pressure 、lack of oil .
- Equipped with air brake clutch and double sheet detector , safe and reliable .
- Bushes on crankshaft are properly lubricated by an automatic grease pump .
- Two sets of air cushion cylinders located at upper side to balance the weight of rams and tooling.
- Timing for strip ejection rubber rollers is properly controlled by a servo motor , precise and certain .
- Suitable for pre-scrolled tin /aluminum sheet .



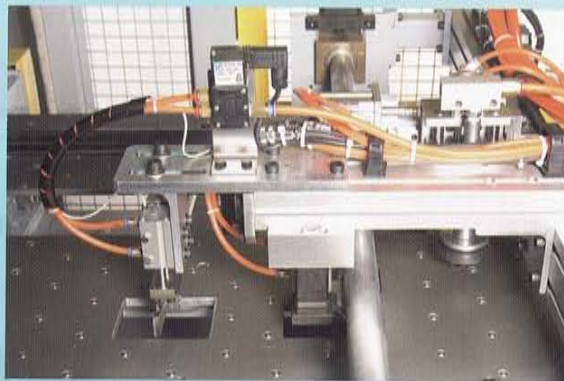
電子凸輪及自動黃油幫浦  
Encoder and auto grease pump



送料台面  
Sheet feeding table



鐵皮分離器與吸盤  
Sheet separator and suction pad



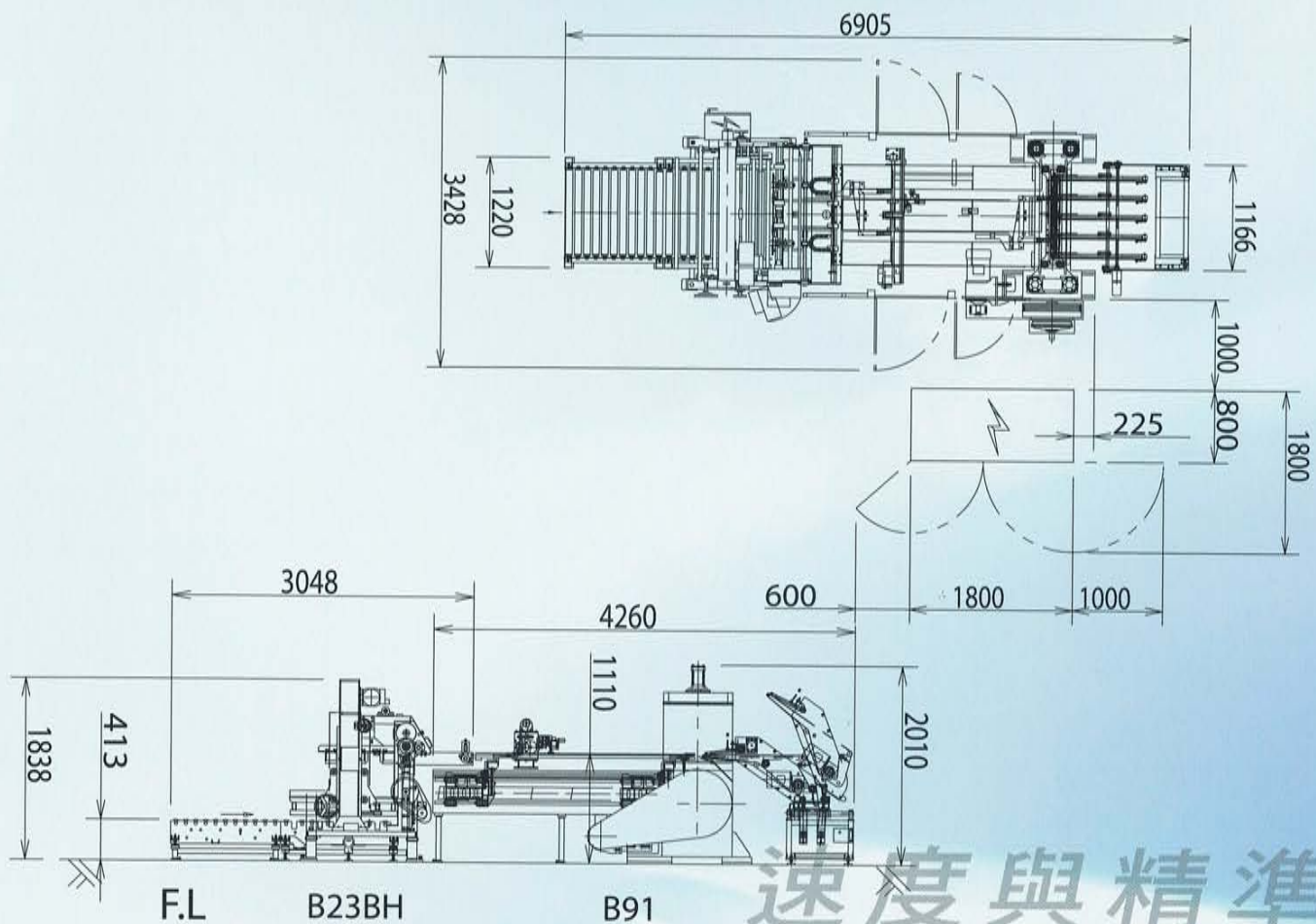
鐵皮檔塊與定位吸盤  
Sheet stopper and positioning pad



雙張鐵皮控制器與滾輪  
Double sheet detector and rollers



沖頭導柱與波型刀組  
Ram posts and scroll blades



速度與精準

Automatic CNC Sheet Feeding Scroll Shear

# 自動CNC送料波型裁剪機

## Automatic CNC Sheet Feeding Scroll Shear



空氣離合器  
Air brake clutch



出口滾輪及輸送機  
Discharge rollers and conveyor

### 規格 (Specification):

| 機 型       | MACHINE TYPE                   | S-B91                         |
|-----------|--------------------------------|-------------------------------|
| 料片裁剪後寬度   | Range of strip width           | 100~360mm                     |
| 每 分 鐘 產 能 | Capacity per min.              | Up to 140 strokes             |
| 適用鐵皮尺寸    | Sheet Size range               | (700~1067)W x (750~1067) L mm |
| 主 馬 達     | Main motor                     | 7.5 HP x 4P                   |
| 滾 料 馬 達   | Rolling motor                  | 1/8Hp x 4P                    |
| 排料輸送帶馬達   | Strip discharge conveyor motor | 1HP x 4P                      |
| 滑 塊 行 程   | Stroke of ram                  | 60mm                          |
| 安裝面積及高度   | Floor space overall height     | 4260L x 3430W x 2010H mm      |
| 淨 重       | Net weight (approx)            | 6450 Kgs                      |

| 機 型       | MACHINE TYPE               | S-B23BH              |
|-----------|----------------------------|----------------------|
| 馬口鐵最大尺寸   | Max. tinplate size         | 1067x1067mm          |
| 馬口鐵最小尺寸   | Min.tinplate size          | 700x830mm            |
| 每 分 鐘 產 能 | Capacity per minute        | up to 30 sheets      |
| 最大料片載重    | Max. tinplate load         | 2000 kgs             |
| 需 要 馬 力   | Horse power required       | 1/2HP & 1HP          |
| 安裝面積及高度   | Floor space overall height | 2956Lx2080Wx1838H mm |
| 淨 重       | Net weight(approx.)        | 1400kgs              |

\* 規格如有變動，恕不另通知。 Subject to change without notice.

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