

Master of Automation

Newly Designed Splicing Solution



Rewinding



Splice clip



Splice tape



Pitch scissors



AVI PRECISION ENGINEERING PTE LTD

1, KALLANG SECTOR #04-03, SINGAPORE 349276. TEL: 65 67483866 FAX: 65 67484810

Email: avipre@avipre.com.sg

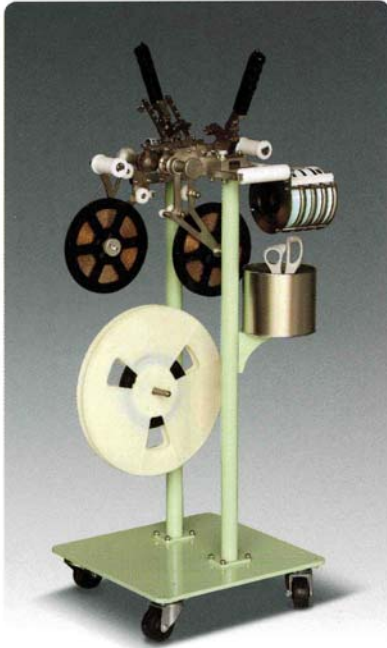
Website: <http://www.avipre.com.sg>

Company Reg No: 199300584 M

Skype: avipre

Double&Single Splice Device, Rewinder

• Double Splice Device 더블자재 연결장치.



Usage

To connect non-stop the running cassette tape reel to new cassette tape reel using splice clip & splice tape.

Application range

- 1) Width : Paper or Emboss Double Carrier Tape, 8mm-72mm width.
In case of double 24mm-72mm, it is necessary to calibrate the width adjuster.
- 2) Thickness : Paper or Emboss carrier tape, 0.3T-1.0T - Not necessary to calibrate the dial thickness adjuster for carrier tape thickness.
*For compressed soft carrier tape - Necessary to calibrate the dial thickness adjuster.
*In case of especially connecting carrier tape of 32mm or more width, Splicing both sides once.
*For General Purpose Chip Mounter & Multi Function(Flexible) Chip Mounter.

Type Double(Use combined with single).

용도

소진되는 자재릴(Cassette Tape Reel)과 신규 자재릴을 연결클립과 테이프를 사용 무정지(Non-stop)로 연결.

사용범위

- 1) 폭 : Paper 또는 Emboss자재 (Carrier Tape) 8mm~72mm
▷ Double 24mm~72mm는 자재폭 조정필요 .
- 2) 두께 : Paper 또는 Emboss자재. 0.3T~1.0T ▷ 자재두께에 따른 장치조정 불필요.
* 압축성 연질자재에 대응. 고정축에 설치된 다이얼조정 멈춤장치의 눈금조정 필요.
* 특히 32mm이상 연결시 한번 에 연결 -범용기, 이형기용.

형식 Double Type (Single 겸용).

• Single Splice Device 싱글자재 연결장치.



Usage

To connect non-stop the running cassette tape reel to new cassette tape reel using splice clip & splice tape.

Application range

- 1) Width : Paper or Emboss Single Carrier Tape with "8mm~24mm" width.
- 2) Thickness : Paper or Emboss carrier tape, 0.3T~1.0T - Not Necessary to calibrate the dial thickness adjuster for carrier tape thickness.
*For compressed soft carrier tape -Necessary to calibrate the dial thickness adjuster.
- Simple & Speedy.
- General Purpose Chip Mounter, High Speed Chip Mounter
- 3) Type : Single.

용도

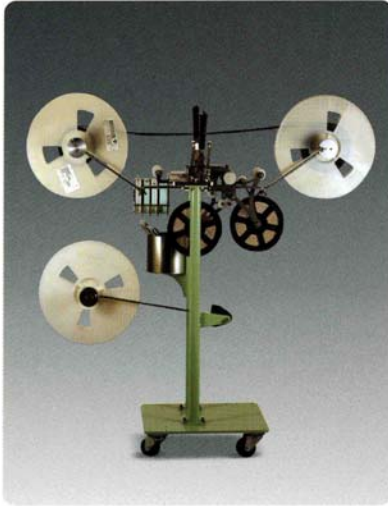
소진되는 자재릴(Cassette Tape Reel)과 신규 자재릴을 연결클립과 테이프를 사용 무정지(Non-stop)로 연결.

사용범위

- 1) 폭 : Paper 또는 Emboss Single자재 (Carrier Tape) "폭 8mm~24mm"용.
- 2) 두께 : 일반 Paper 또는 Emboss자재 0.3~1.0T ▷ 자재두께에 따른 장치조정 불필요.
* 압축성 연질자재에 대응 ▷ 다이얼조정 멈춤장치의 눈금조정 필요.
- Simple & Speedy.
- 범용기, 고속기용.
- 3) 형식 : Single Type.



● Rewinding Unit 리와인딩 장치.



Usage

- 1) For preparation of materials (carrier tape type).
(Unit designed to transform remnant carrier tape reels into full carrier tape reels).
- Winding remnant carrier tape → Splicing → Rewinding.
- 2) For immediate splice at production line as combined with splice device-Single or Double.

Feature

Common use for Single Type and Double Type.

* The same parts are used for each other but the assembly method is different from each other.

Type Single, Double.

용도

- 1) 자재 준비실용. (자투리자재를 신품자재로 변환하는 유니트).
자투리자재 릴 (Reel) 선단 바꿔감기 → 자재연결 (Splicing) → 연결후 모아감기.
- 2) 생산 Line 현장 즉시 연결용 (자재연결장치 겸용).

특징 Single 및 Double Type 공용 ▷ 부품은 동일하며 조립 방법에 차이 있음.

형식 A) Single Rewinder B) Double Rewinder.

Consumables 소모품 Splice clip, Splice tape, Pitch Scissors.

● Splice Tape 커버 테이프.



Usage To connect cover tape of Paper or Emboss Carrier Tape.

Feature Consumables of easily detachable sticker type.

Superpowerful adhesiveness (two or three times stronger than the existing product). When it can be used by our splice device designed specially & patented, it is far more ideal & effective.

Kinds

- 1) 5mm width : To connect single carrier tape with 8mm width for cassette.
- 2) 9mm width : To connect single carrier tape with 12mm width for cassette.
- 3) 13mm width : To connect single carrier tape with 16mm width for cassette.
- 4) 21mm width : To connect double carrier tape with 24mm width for cassette.

* You can connect wide double carrier tape with 32mm, 44mm, 56mm, 72mm width for cassette by using the above 4 kinds of splice tape (Attach 2 or 3 pcs to suit with carrier tape width).

* Dual attachment is allowed by the interchangeable splice tape with 5mm, 9mm, 13mm width.

Quantity Min. 800 pcs or more per roll.

용도 Paper 또는 Emboss 자재 (Carrier Tape)의 Cover Tape를 연결함.

특징 분리가 용이한 스티커 (Sticker)형식의 소모품으로 초강력 접착력(기존품의 2~3배) MOA SPLICE DEVICE와 사용시 가장 이상적임.

종류

- 1) 폭 (Width) 5mm : 자재폭 8mm Cassette용 Single자재 연결.
 - 2) 폭 (Width) 9mm : 자재폭 12mm Cassette용 Single자재 연결.
 - 3) 폭 (Width) 13mm : 자재폭 16mm Cassette용 Single자재 연결.
 - 4) 폭 (Width) 21mm : 자재폭 24mm Cassette용 Double자재 연결.
- ▷상기 4종류의 연결테이프 (Splice Tape)를 응용하여 32mm, 44mm, 56mm, 72mm Cassette용 넓은 Double 자재도 연결 가능 합니다. (자재폭에 맞게 2장 또는 6장 붙임)
▷연결테이프 (Splice Tape) 폭 5mm, 9mm, 13mm는 상호 호환 되므로 중복장착 가능함.

용량 최소 800 피치(Pitch)이상.



● Splice clip 동클립.



Usage To connect both ends of Paper or Emboss carrier tape.
(endless style, consumables).

Feature Universal type of reeled splice clip interchangeable with sprocket wheel of any cassette feeder.

* When it can be used by our splice device designed specially & patented, it is most ideal & effective (3 times or more in time saving & efficiency & convenience for existing method).

Material Copper. **Quantity** Min.900 pcs or more per reel.

용도 Paper 또는 Emboss자재의 양 끝단을 연결하는 Endless방식의 소모품.

특징 어떤 타입의 카세트 피다(Cassette Feeder) 스프라켓에도 호환되는 Universal Type.
*MOA Splice device와 사용시 가장 이상적, 효과적으로 작업성, 생산성 극대화.

재질 Copper. **용량** 최소 900 피치(Pitch) 이상.

● Pitch Scissors 피치 가위.



Usage To cut out starting point of a splice clip and to precisely cut out the margin of Paper or Emboss carrier tape.

Feature Specially redesigned from existing scissors for precise cutting.

Kind 1) Pitch scissors for specialist : versatile use for carrier tape 8mm-24mm width.
* In particular, excellent performance for carrier tape with 8mm width.
(for high speed chip mounter).
2) Dedicated pitch scissors : carrier tape with 8-56mm width.

용도 연결 클립의 시작점 절단 및 Paper 또는 Emboss 자재의 연결 대상 선단 부위를 정확하게 정밀 절단 (수입품을 특별 개조).

종류 1) 전문가용 피치가위 : 자재폭 8-24 mm대응.
▷ 특히 고속기용 8 mm 자재에 탁월한 성능 발휘.
2) 전용피치가위 : 자재폭 8-56 mm대응.

Option / Order Production

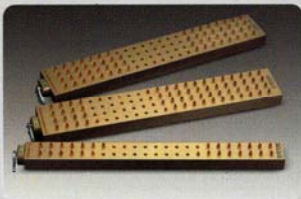
● Accessories for splice device(optional).



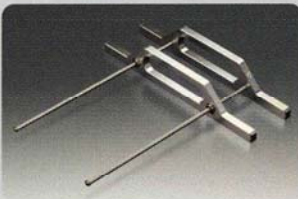
1. Steel mesh case(oval, small).
For small Pitch scissors.
2. Steel mesh case/Plastic case.
Rectangle, large.
For multi-purpose.

상기 두 제품은 옵션품임.

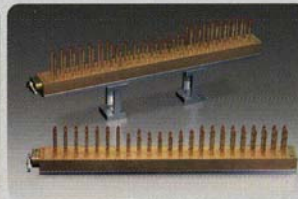
● Others for SMT Production Line.



Multi Back-up Pin



Level Setting Jig



Riser Block

"Multi Back-Up Pins & Level Setting Jigs, Riser block." supporting PCB in the screen printer or chip mounter are available by order production.

SMT장비에서 PCB를 지지해주는 역할을 하는 것으로 주문생산품임.



SMT Stapler Splicing Solution

Swing Splice Device / 스윙자재 연결장치 (Stapler Splice tool + Docking Station)

"New"

- Swing Type
- Easily installing and un-installing the Stapler Splice Tool
- Using for width 8~72mm SMT material
- Possible to control of working position(Control to height)
- Possible to Stock of Splicing consumable parts for SMT
- Easily connecting and taping of SMT material

- Swing Type
- Stapler Splice Tool 탈,부착 용이
- 8~72mm 자재 대응
- 높낮이 조절가능
- SMT 자재연결용 소모품 수납가능
- 자재연결 및 테이프작업 편리



Stapler Splice Tool / 스테플러형 자재연결 툴

"New" in the world

- Stapler Type Splice Tool
- Apply in all kinds of SMT material (Paper or Emboss Type Reel) connecting
- Quick connecting based on handy type
- Easy to install at docking station(Optional)
- Easily installing the Splice Clip
- Great of durability by heat treatment of special steel

- Stapler Type Splice Tool
- 모든 SMT 자재(Paper & Emboss Reel) 대응
- Handy방식으로 신속체결
- 이동거치대(Optional) 장착용이
- 연결클립(Frame 형) 장착용이
- 특수강열처리 내구성 大



Splice Clip-Frame Type / 연결클립-프레임형

"New" in the world

To connect both ends of Paper or Emboss carrier tape

- Using for Stapler Type Splice Tool
- 20-Pitch/1-Frame Type
- 25-Frame(500 Pitch)/1- Plastic Case
- 8-Plastic(4,000 Pitch) Case /1-Clip Box
- Universal & Unique Type
- Portable by the Plastic case

- Stapler Type Splice Tool 연결용 클립
- 20Pitch/1-Frame 방식
- 25-Frame(500 pitch)/1- Plastic Case
- 8-Plastic(4,000 Pitch) Case /1-Clip Box
- Universal & Unique Type
- 휴대 용이한 Plastic Case사용



Splice Pocket for Splice Clip & Splice Tapes / 자재연결 포켓-연결테이프 / 연결클립

"New"

To connect both ends of cover tape of Paper or Emboss carrier tape

- Stock of Stapler Splice Clip & Splice Tape
- Easy to attach & detach by Magnetic type
- Easily detachable sticker type from pocket base
- super powerful adhesiveness.
- Quantity : Tape 800pcs/Roll , Clip 500 Pitch/Case

- Stapler Splice Tool용 연결클립 및 연결테이프 수납
- 마그네틱 방식으로 탈,부착 용이
- 연결테이프를 쉽게 떼어내기 편리한 구조채택
- 강력한 접착력
- 용량 : 테이프800pcs/롤, 클립 500 Pitch/Case

