



SCS PrecisionAdvance

PRECISIONADVANCE

The SCS PrecisionAdvance conveyor provides exceptional product handling and efficient process step integration, which are required for conformal coating and dispensing processes. PrecisionAdvance conveyors can fully integrate with the SCS PrecisionCoat and PrecisionCure systems to provide a comprehensive solution, enabling line management and streamlining the movement of circuit boards through the manufacturing process.

Available in four configurations, the pin-type-edge handling conveyor is designed to control board inspection, line flow and transit throughout the coating and assembly operation. SCS' modular systems integrate with the PrecisionCoat's control software and can be assembled to create a custom line of conveyor, coating and curing systems to meet manufacturing needs. For processes that utilize a fixed barcode reader, for example the line-load conveyor stages boards to be scanned before moving

into the PrecisionCoat. When acrylic solvent-based materials are applied to a board, the inspection conveyor's run/stop/release functionality can be utilized to ensure the coating's necessary flash-off time is taken and inspection can occur prior to curing in a PrecisionCure system.

Additionally, the PrecisionAdvance has several optional features that can be added to meet specific process needs. For example, the inspection conveyor can be configured with a drawing easel that is ideal for displaying board drawings. When paired with an enclosure hood, operators can utilize the overhead blacklight to perform manual inspection of coated boards while minimizing ambient light. Other options include a fold-down shelf that can hold items related to board touch up as well as a storage box.

SYSTEM FEATURES

- Pin-type-edge handling conveyor
- Left to right conveyor travel
- Fixed front rail
- Separate load and unload speeds
- Integrates with PrecisionCoat software
- Manual width adjust
- No front brace
- IEC power inlet
- Audible fault alarm
- Optical sensor at end of conveyor
- SMEMA interface

OPTIONS

- Reverse operation (right to left)
- Auto width adjust
- Storage box
- Print/drawing easel
- Fold-down shelf
- 3/16-inch conveyor chain
- Enclosure hood with overhead blacklight

CONFIGURATIONS

- Line-load conveyor
- Pass-through conveyor
- Inspection conveyor
- Accumulation conveyor/buffer



SCS PrecisionAdvance
with storage box



SCS PRECISIONADVANCE SPECIFICATIONS

| | |
|--------------------------------------|---|
| Electrical | 120V / 50-60 Hz / 2 Amp 220V / 50-60 Hz / 1 Amp |
| Conveyor type | Pin-type-edge conveyor system |
| Conveyor lengths | 31.5 in / 0.8 m 39.4 in / 1.0 m |
| Conveyor speed | 0.1-1.0 in/sec / 0.15-1.52 m/min in 0.1 in/sec / 0.15 m/min increments 1.0 -10.0 in/sec / 1.52-15.24 m/min in 1.0 in/sec / 1.52 m/min increments |
| Substrate width | Min: 2.5 in / 6.5 cm Max: 20 in / 50.8 cm |
| Substrate weight | Max: 15lb / 66.7 N |
| Drive system | Chain drive with 3/8 in / 0.9 cm pin chain |
| Tunnel clearance | 4 in / 10 cm (top and bottom) |
| System dimensions (W x D x H) | 31.5 x 32.6 x 38.4 in / 80.0 x 82.8 x 101.7 cm |
| Weight, skidded | 300 lb / 136 kg |



SCS PrecisionCoatVI paired with PrecisionAdvance

INNOVATIVE SOLUTIONS FOR ADVANCED TECHNOLOGIES

With over 50 years of experience and locations around the world, Specialty Coating Systems is the global leader in conformal coating technologies. This extensive coating and application experience is leveraged on each and every customer project, including the industry-leading systems that SCS designs and manufactures. From conformal coating, dispensing and cure systems to ionic contamination test systems, SCS equipment is used in environments that range from university and research labs to high-volume production facilities. SCS' proactive approach to production and quality requirements—testing, validating, documenting and processing—enables customers and their advanced technologies to meet the most challenging industry specifications and quality requirements.



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