



SCS PRECISIONCOAT BT

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The PrecisionCoat BT provides accuracy, reliability and flexibility for companies looking to take their manufacturing capabilities to the next level. Choosing which material to use, understanding how it needs to be handled and deciding where it needs to be applied are just a few of the application-specific questions that customers must resolve.

When it comes to applying material in a highly repeatable manner, the PrecisionCoat BT is the solution. Designed for companies who are looking to automate their time-intensive manual coating and dispensing processes or those who would like to have additional coating capacity in their laboratory or on their production floor, the PrecisionCoat BT improves accuracy, productivity and efficiency in a highly reliable, compact unit.

The PrecisionCoat BT applies materials via configurable conformal coating and/or dispense valves (up to two) that move along three axes (x, y and z) with a command accuracy of ± 0.0001 inch (0.003 mm) and ± 0.003 inch (0.08 mm) repeatability. Its proprietary Windows®-based software platform features a user-friendly interface for ease of programming and system operation.

Additionally, the offline programming feature ensures downtime is kept to a minimum. For maximum flexibility, the system's Cycle Start button initializes the last downloaded profile, which is stored in the controller so a computer need not be present during coating.

Unmatched in the industry, the PrecisionCoat BT achieves consistent application with a high degree of accuracy and repeatability.

INDUSTRIES AND APPLICATIONS

SCS offers the most accurate and dependable coating and dispensing systems for applications where protection from dust, chemicals, moisture, temperature extremes and shock is key. The PrecisionCoat BT applies coatings to substrates in a wide array of industries, including:

- Industrial electronics
- Consumer electronics
- Military
- Aerospace
- Automotive
- Maritime
- Power management devices
- Medical
- Renewable energy
- LED lighting



PRECISIONCOAT BT PRODUCT BENEFITS

- Ease of programming
- High accuracy and repeatability
- Up to two configurable valves
- Profile sharing between multiple coating systems
- Standard interior LED lighting with optional black LED inspection light
- Adjustable rail fixture
- Variety of coating pots available
- Laser programming aid
- Optional teaching camera
- Optional purge cups
- Safety interlocks



COMPATIBLE MATERIALS

The PrecisionCoat BT's proprietary Windows®-based software gives you total control over the coating process, ensuring repeatable application of virtually any material, including:

- Acrylics
- Silicones
- Epoxies
- Urethanes
- Latex
- Adhesives
- Thermal pastes and greases
- Sealants
- Solder mask
- RTVs

SCS PRECISIONCOAT BT FEATURES



Adjustable Fixture

THE SCS ADVANTAGE

In today's competitive environment, flexibility and accuracy are critical. The SCS PrecisionCoat family gives customers both. In addition to industry-leading systems, SCS cares for customers with best-in-class service and support. A knowledgeable and friendly team assists with application engineering, custom designs, product demonstrations and world-class technical support. SCS works closely with the customers to create a custom solution for their specific need by drawing on a variety of features and options to meet any requirement.

With over 45 years of experience in conformal coatings, SCS' industry-leading systems, features and resources are ready to meet and exceed your expectations.

PRECISIONCOAT BT SPECIFICATIONS

Minimum substrate size	1.5 x 2 in / 3.81 x 5.08 cm
Maximum substrate size One Valve Two Valves	14 x 14 in / 35.6 x 35.6 cm 11.8 x 14 in / 30.0 x 35.6 cm
Maximum substrate height	4.75 in / 12.07 cm (above board for single valve system) 3.25 in / 8.26 cm (above board for dual valve system) 4 in / 10.2 cm (below board for a single or dual valve system)
Repeatability	+/- 0.003 in / 0.08 mm
Electrical	120 VAC, 5A (alternate electrical configurations available)
Exhaust requirements	150 CFM exhaust with 4 in / 10.2 cm duct
Air supply	5 CFM @ 80 psi dry air (some moisture-sensitive materials may require use of nitrogen instead of clean, dry air)
System dimensions (W x D x H)	35.4 x 37.9 x 30.6 in / 90.0 x 96.3 x 77.7 cm
Weight	240 lb / 109 kg

INNOVATIVE SOLUTIONS FOR ADVANCED TECHNOLOGIES.

With over 45 years of experience and locations around the world, Specialty Coating Systems is the global leader in Parylene conformal coatings and 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.



7645 Woodland Drive, Indianapolis, IN 46278 United States

TF 800.356.8260 | P 317.244.1200 | W scsequip.com