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DISTRON CORPORATION Expands In-House Capabilities with Automated Conformal Coating for Complex PCB Assemblies

North Attleboro, MA — April 2026 — DISTRON CORPORATION, a leading U.S.-based electronics contract manufacturer, has expanded its manufacturing capabilities with the addition of in-house automated conformal coating, designed to support complex PCB assemblies and high-reliability applications.

As electronics continue to shrink in size while increasing in complexity, protecting assemblies from moisture, chemicals, and environmental stress has become more critical—and more challenging. Manual coating methods often introduce variability and slow production, particularly for dense, fine-pitch boards. DISTRON’s automated approach addresses those challenges with a fully integrated coating process that delivers consistent, repeatable results.

“At the board level, there’s very little margin for error anymore,” said Robert H. Donovan, CEO of DISTRON Corporation. “Bringing automated conformal coating in-house gives us tighter control over the process and better outcomes for our customers—especially on complex builds.”

The system, built around SCS (Specialty Coating Systems) technology, uses programmable selective coating to precisely apply materials while minimizing the need for manual masking. Integrated UV and thermal curing ensure coatings are applied and cured under controlled conditions, improving both quality and throughput.

With this capability, DISTRON can support a wide range of production volumes—from early-stage prototypes to full-scale manufacturing—without sacrificing accuracy or efficiency. The process is particularly well suited for industries where performance and durability are critical, including medical, aerospace and defense, industrial controls, and instrumentation.

Key advantages of DISTRON’s automated conformal coating include:

- Consistent, repeatable coverage across complex and high-density assemblies
- Reduced handling and process variability compared to manual methods
- Controlled curing for improved coating integrity and long-term performance
- Scalable processes that support both low- and high-volume production

In addition to conformal coating, DISTRON provides full-service electronics manufacturing, specializing in complex PCB assemblies and supporting customers from new product introduction



through production. Its ISO-certified and FDA-compliant processes provide the traceability and quality assurance required for regulated industries.

“Customers are pushing designs further, and they need manufacturing partners who can keep up,” added Donovan. “This investment is about making sure we can handle that complexity while keeping quality consistent.”

For more information about DISTRON’s capabilities, visit www.DISTRON.com.

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About DISTRON CORPORATION

Founded in 1970, DISTRON CORPORATION is a premier, family-owned electronic contract manufacturer based in New England. With over five decades of experience, DISTRON offers a full suite of services including surface mount assembly, testing, inspection, warehousing, and fulfillment. The company partners with customers across industries such as medical devices, military and defense, clean tech, lighting, industrial electronics, and robotics. Known for its quality, flexibility, and customer-centric approach, DISTRON is committed to delivering reliable solutions from prototype through production.