

Electronic Device Assembly

Supporting electronics manufacturers with flexible, advanced assembly technology to meet the quality, and performance of next-generation products

Challenges

Managing the evolution of new and fast-changing product prototypes, testing the manufacturability of advanced components and varied materials, and evaluating equipment and systems needed for future large-scale production.

**SUPPORT
VARIABLE**
FAST-CHANGING PRODUCT
DEVELOPMENT EFFORTS.



Scaling up and optimizing a manufacturing process for mass production, maximum yields, and superior product performance and aesthetics demand measurable, repeatable assembly processes operating on high-reliability, high-uptime equipment.

**ACHIEVE HIGH
YIELDS**
THROUGH 24/7
PRODUCTION.



Driving continued process improvement through the collection of traceable manufacturing data essential to quality assurance and data analytics, leading to expanded automation, improved efficiencies and lower production costs.

**MAXIMIZE
DIGITALIZATION**
AND ADVANCED
AUTOMATION CAPABILITIES.



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To produce the powerful, feature-rich compact electronic devices valued by today's global consumers, electronics manufacturers are challenged to envision, develop, and manufacture innovative new products with exceptional speed, quality & precision. To help you bring new products to life, from product design to high-volume, traceable production Emerson offers an array of Branson™ joining technologies that can quickly and reliably assemble even the smallest and most delicate plastics, electronics, and sensors.

Transforming prototypes into manufacturable products

Our skilled global team, backed by Branson technologies and global applications laboratories, will support you in transforming your designs and prototypes into manufacturable products. Bring us your ideas and leverage our extensive know-how in material analysis, joint design, process development, tooling design, product manufacturing and process validation and we will provide the right joining solution to help you achieve your manufacturing goals.



Scalable solutions for flexible, high-volume production

Once you determine the right assembly solution for your product, Emerson offers the expertise and equipment needed to scale up production rapidly and reliably. Our extensive range of Branson assembly equipment is sized to support everything from benchtop production to fully automated, multiline manufacturing supported by a knowledgeable team of technical, sales and service professionals.



Advancing digitalization and automation for the future

To remain competitive in a fast-changing marketplace, you must not only optimize operations but also master the digitalization and automation challenges of the future. Emerson is a global leader in implementing robust and secure Industry 4.0 solutions, working with manufacturers and integrators to deliver the secure, digital connectivity needed to drive future-focused data analytics and next-generation production automation.



Branson GSX Ultrasonic Welder



Branson 2000X Ultrasonic Welder



GPX Pulsestaking Systems



www.Emerson.com/Branson

