

Meeting New Demands for Packaging



Helping packaged goods producers to profitably meet new global regulations for high-performance, yet more sustainable and recyclable, plastic packaging

Challenges

Meeting market demands for plastic packaging that improves sustainability while reducing energy consumption, waste streams and CO2 footprint.

ADAPTING YOUR PRODUCTS TO MEET CUSTOMER DEMANDS



Retrofitting and automating existing packaging lines to seal newer bio-based plastics, high-recycled content plastics and mono-material packaging more quickly and economically.

COST-EFFICIENT EVOLUTION OF PRODUCTION MATERIALS AND EQUIPMENT



Evolving your packaging designs and materials to meet application and regulatory requirements for increased use of post-consumer materials, bio-based materials, and expanded recycling and composting.

MEETING NEXT-GENERATION ENVIRONMENTAL REGULATIONS



SUSTAINABLE SOLUTIONS FOR PACKAGING PRODUCERS

To meet stringent regulatory demands and avoid costly penalties, packaging producers must develop and deliver new packaging using materials and processes that reduce energy consumption and CO2 footprint, increase recycled or bio-based content, and reduce waste streams. Branson™ ultrasonic plastic welding technology, globally supported by Emerson's expert team, helps packaging producers meet these challenges, with welding solutions that join the latest materials while improving process control, reducing energy and material consumption, and increasing packaging yields.

Reducing energy consumption

Compared to older plastic heat-sealing technology, Branson ultrasonic plastic welding technology from Emerson offers vital benefits not only in seal quality but also in dramatically reduced energy consumption. While heat seals consume power constantly to maintain high surface temperatures, ultrasonic welders need power only for fractions of a second as ultrasonic seals are made.



Minimizing package waste and material consumption

Ultrasonic welders incorporate digital controls and sensors to manage and record multiple factors of each weld in real time. Superior control capabilities enable them to make thinner but stronger package seals that use less plastic material. That means less package waste and greater package recyclability.



Cost-efficient retrofits for packaging equipment lines

Retrofitting energy-intensive heat seals packaging lines with Branson ultrasonic solutions help manufacturers cut expenses by reducing energy consumption, material waste, and rejects. Whilst opening new options for processing bioplastics, high-recycled content materials and mono-materials with greater speed and higher yields.



Branson DCX Ultrasonic Power Supply



Branson 2000X Ultrasonic Welder



Branson GSX Ultrasonic Welder



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