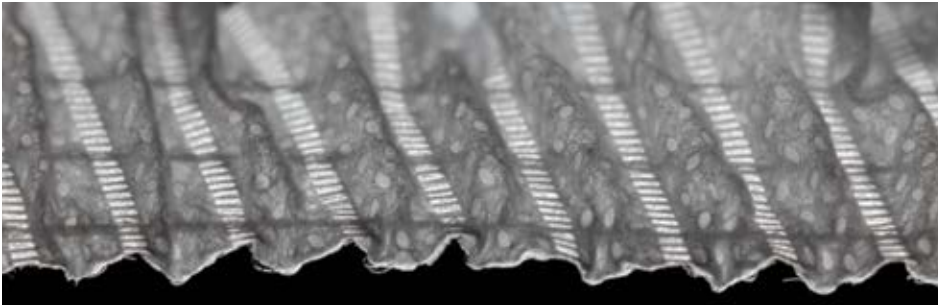


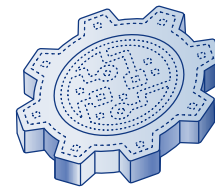
## ULTRASONIC ELASTIC ENTRAPMENT

# Reduce material and energy costs with glue-free bonding.

JOA's patent-pending Ultrasonic Elastic Entrapment system creates quality bonds using a low energy consumption process that doesn't require heat. The need for an adhesive raw material stream is eliminated to reduce costs significantly. And compared to other systems, ultrasonic bonding has lower maintenance requirements, reducing machine downtime.



Ultrasonic elastic entrapment results in a softer fabric with better stretch.



### Improve product quality and end user comfort.

Ultrasonic bonding results in softer fabric and better stretch by eliminating the stiffening effect from adhesives.

### Reduce costs and downtime.

The maintenance requirements associated with adhesive operations are eliminated. And by using material retraction, customers have the ability to use lower decitex elastics which reduces material costs.

### Product design flexibility.

Customize fabric aesthetics and function to differentiate your products. The precision process improves side seam bond appearance, creating a more aesthetic product. The anvil pattern used for ultrasonic bonding can be customized to your specific product design, providing greater flexibility in product development.

### Get the Upgrade Kit

Available as an upgrade kit for existing machines, our Ultrasonic Elastic Entrapment system integrates into older machines with minimal downtime.



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