



NONWOVEN ULTRASONIC BONDING TECHNOLOGY

neXbond ULTRASONIC PROCESS
FOR WAISTBAND AND OTHER PROCESSES



Softness and wearability are key factors in elastic waistbands for baby and adult pants. The stretchable waistband adapts to every movement, providing increased comfort. The new neXbond ultrasonic bonding technique combines tensioned

elastics entrapped between two layers of nonwoven fabrics. This delivers a uniquely soft and skin-friendly waistband without using glue or adhesives. Compared to adhesives, the neXbond ultrasonic technology yields a top-quality bonding with no creep or product

damage, and with greater precision. Ultrasonics is instantaneous and allows a continuous, closed-loop process with increased productivity, making adhesives unnecessary. While the initial investment is higher, the long-term benefits easily make up for this expense.

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ENGINEERED SUCCESS

High softness and wearability with ultrasonic technology

YOUR BENEFITS

- Ultrasonic welding technology is skin-friendly thanks to the chemical-free process that minimizes allergic reactions and skin irritation
- Maximum fabric softness and elastic performance
- Cleaner production process and hence, reduced machine downtime
- Products manufactured with ultrasonic technology can be recycled more easily as they are made of recyclable materials
- Eco-friendly and less energy-consuming process



Elastic waistband

FEATURES

- High-frequency ultrasonics for capturing and locking elastic strands in the nonwoven substrates
- Ultrasonics secure previously stretched elastic strands in the non-woven substrate so that they are securely fixed and immobilized once the elastic strands return to their normal diameter
- The chassis is configurable to suit different widths
- Speed: up to 400 m/min
- Ultrasonics is a clean and efficient method of bonding synthetic materials and is also environmentally friendly because it consumes less energy than other bonding methods. As gluing is the most energy-consuming process, ultrasonic bonding provides saving in operating costs due to reduced energy consumption.

FIELDS OF APPLICATION

- Baby and adult pants
- Elastic waistband for diapers
- Leg cuff for diapers

EUROPE

ANDRITZ Diatec S.r.l.
Collecorvino, Italy
p: +39 085 82060-1
diatec@andritz.com

ASIA

ANDRITZ (China) Ltd
Wuxi, P.R. China
p: +86 510 8536 1269
nonwoven-china@andritz.com

NORTH AMERICA

ANDRITZ Inc.
Spartanburg, USA
p: +1 864 587 4848
nonwoven-america@andritz.com

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