



Laminating Textiles into Composites

Growing Capacity for Volume Contract Production

Unique Expertise in Rapid New Product Development

Featuring

Ultrasonic Bonding Technology

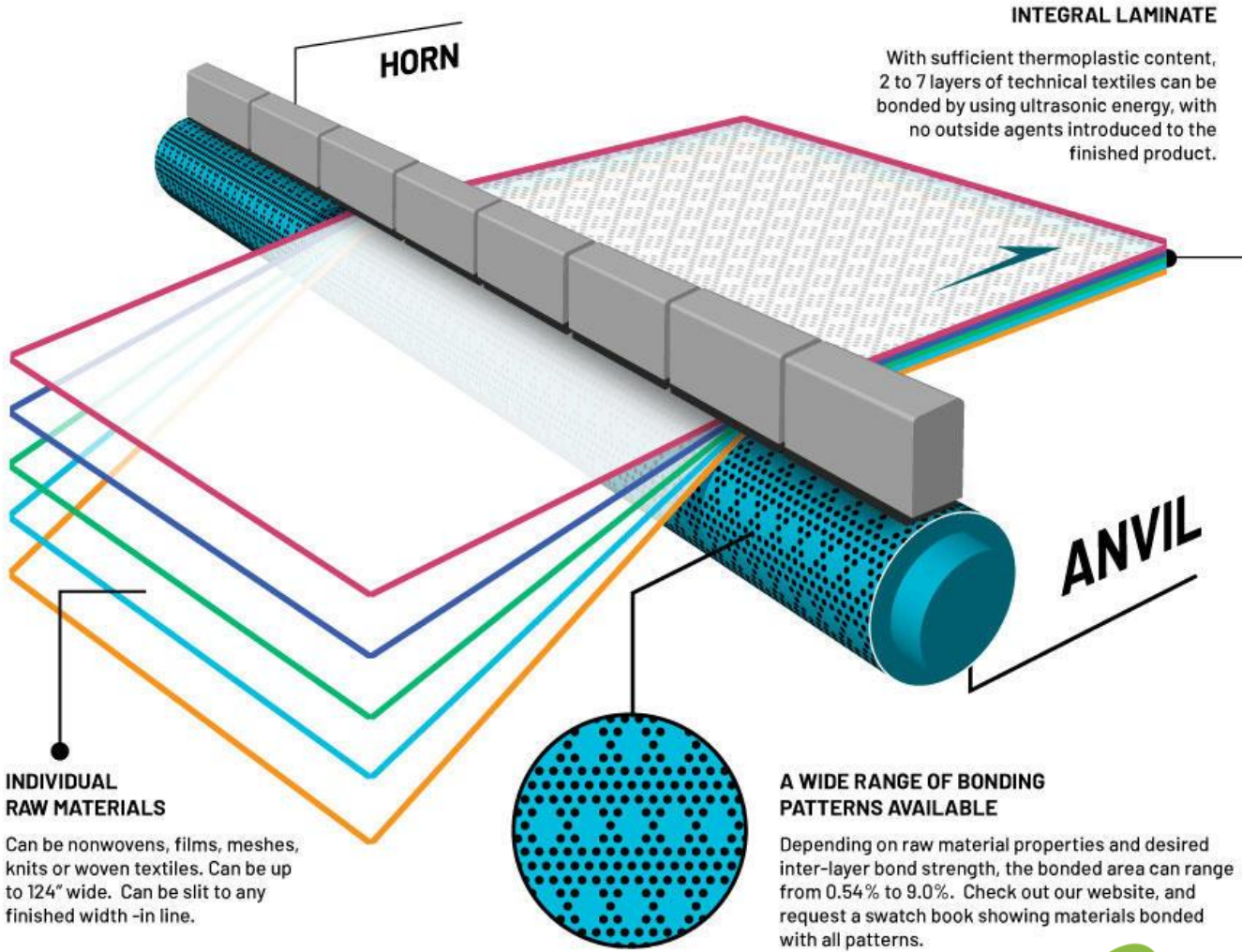
Ultrasonic Bonding Lamination

Only At

Beckmann Converting, Inc.

- **Materials up to 126” can be processed, often reducing costs.**
- **From 2 to 7+ layers can be laminated into a single composite.**
- **Bonded area can range from 0.54% to 9.0%.**
- **Slit in-line to any finished widths.**
- **Materials: nonwovens, films, meshes, knits, woven textiles.**
- **No outside agents beyond original raw materials.**





INTEGRAL LAMINATE

With sufficient thermoplastic content, 2 to 7 layers of technical textiles can be bonded by using ultrasonic energy, with no outside agents introduced to the finished product.

HORN

ANVIL

INDIVIDUAL RAW MATERIALS

Can be nonwovens, films, meshes, knits or woven textiles. Can be up to 124" wide. Can be slit to any finished width -in line.

A WIDE RANGE OF BONDING PATTERNS AVAILABLE

Depending on raw material properties and desired inter-layer bond strength, the bonded area can range from 0.54% to 9.0%. Check out our website, and request a swatch book showing materials bonded with all patterns.



Ultrasonic Lamination Advantages

- **A Truly “Green” Process**
- **Multiple Layers per Pass**
- **Easy Trialing and Sampling**
- **Maintaining Properties Between Bond Points**
- **Bond Pattern Flexibility**



TX



Open
Diamond



BC

And More!



Growing Capacity for Volume Contract Production

- **Continual improvements to proprietary production equipment.**
- **Flexible work centers and workforce to increase production.**
- ***Express Lane* verification of manufacturability and documentation of product specific processes and machine settings.**
- **Detailed ramp-up and production rate planning.**
- **Rapid transition to full production for on-time delivery of products to market on customer's schedule.**



Unique Expertise in Rapid New Product Development

- **Decades supporting customer new product development**
 - **Manufacturability while maintaining performance of finished product.**
- **Comprehensive initial needs assessment and sample review.**
- **Hand Sample Trials- normally made on production equipment.**
- **Roll Trials- next stage process and product development.**
- **Pre-production runs- to verify process details.**
- **Full production- rapid transition to bring new products to market on customer's schedule.**
- **New product development processes fully documented in ISO Quality Management System.**



Additional Capabilities and Services

- **Extensive in-house quality control test laboratory.**
- **Packaging and handling options to meet customer needs.**
- **Drop shipping direct to customers or downstream converters.**
- **Preparation of required certifications and test reports.**
- **Determination of optimal MOQ and run lengths.**
- **Rigorous ISO Quality Management System, re-certified to ISO9001:2015 through September 2022.**
- **Full traceability to meet each customer's requirements.**



Let's Grow Our Business Together!

- ✓ Growing capacity for volume contract production.
- ✓ Unique expertise in rapid new product development.

Senior Management Team

Klaus Beckmann, Owner and President

Peter Piusz, General Manager

Eric Brandl, Chief Technology Officer

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