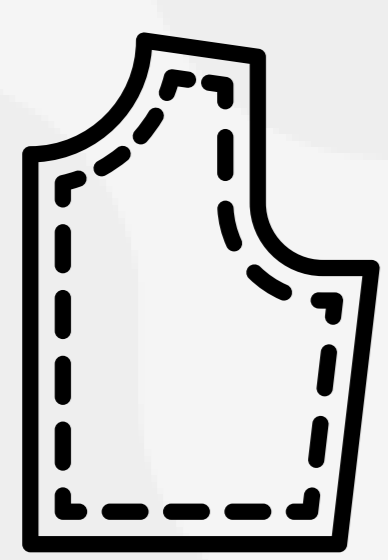
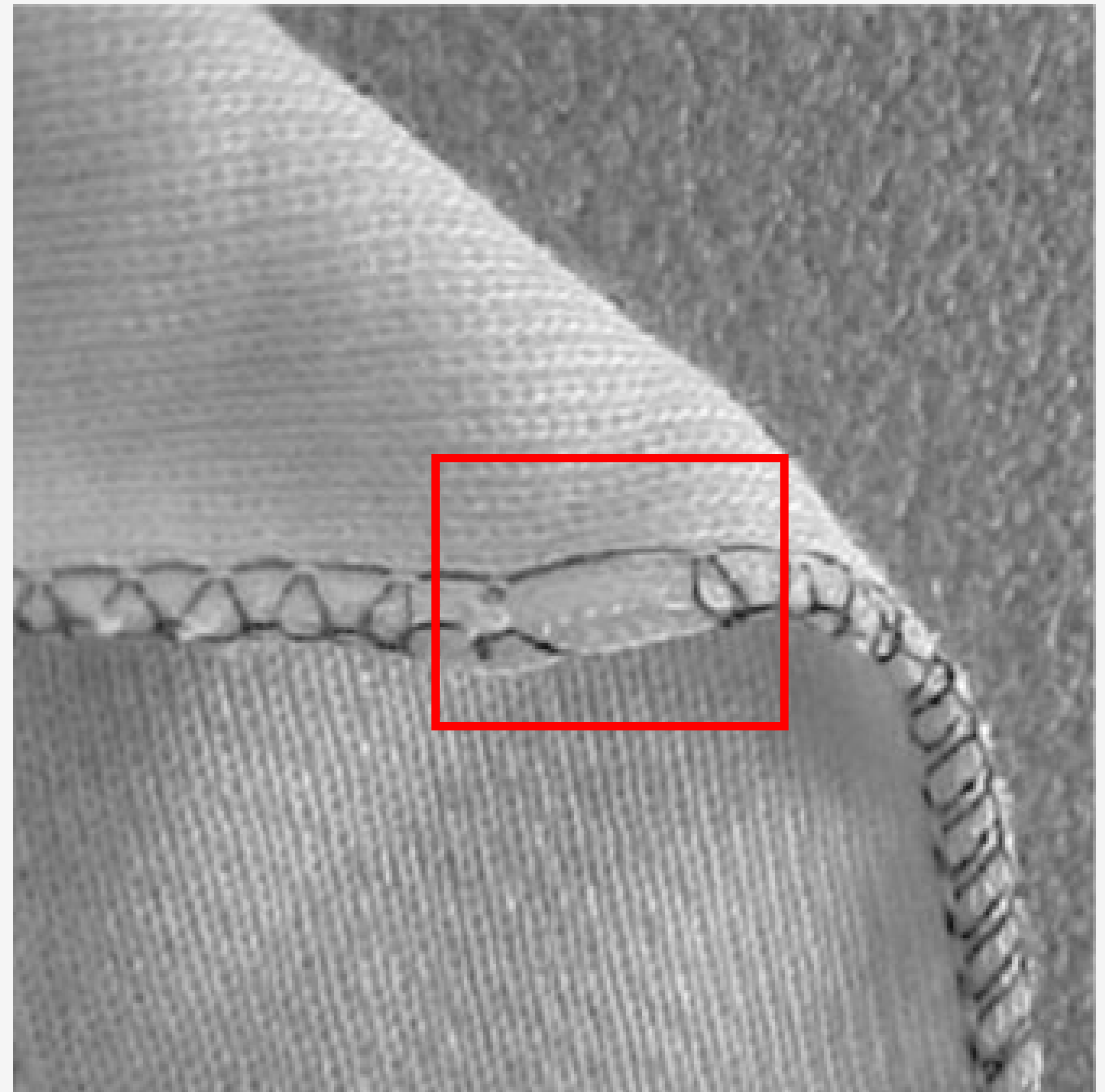
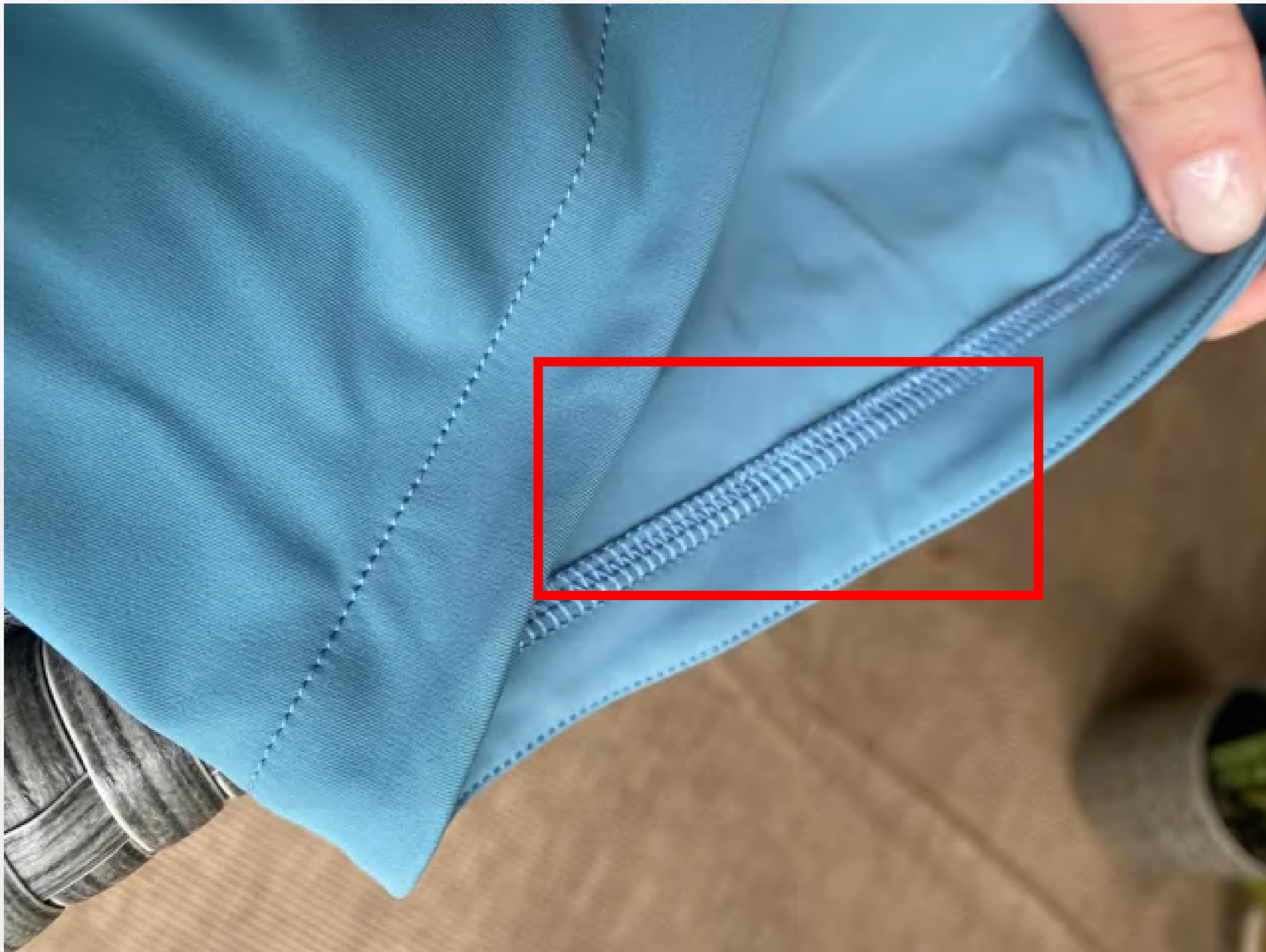


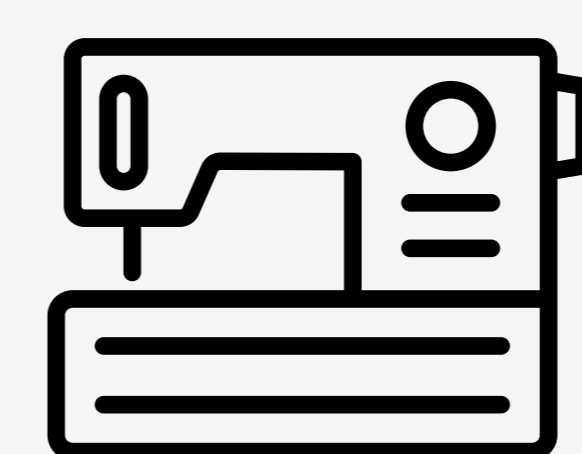
THE FUTURE OF FASHION: **SEW FREE TECHNOLOGY**



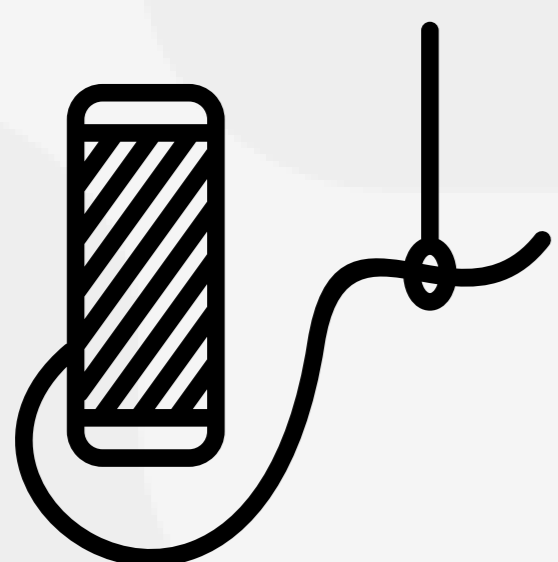
THE PROBLEMS WITH TRADITIONAL SEWING METHODS



Non-continuous joints create perforated seams



Limitations in production speed



Sewing threads can deteriorate over time



Potential errors during the sewing process



Thickening of materials at the joints



WHY SEW-FREE TECHNOLOGY ?

Reduced product weight

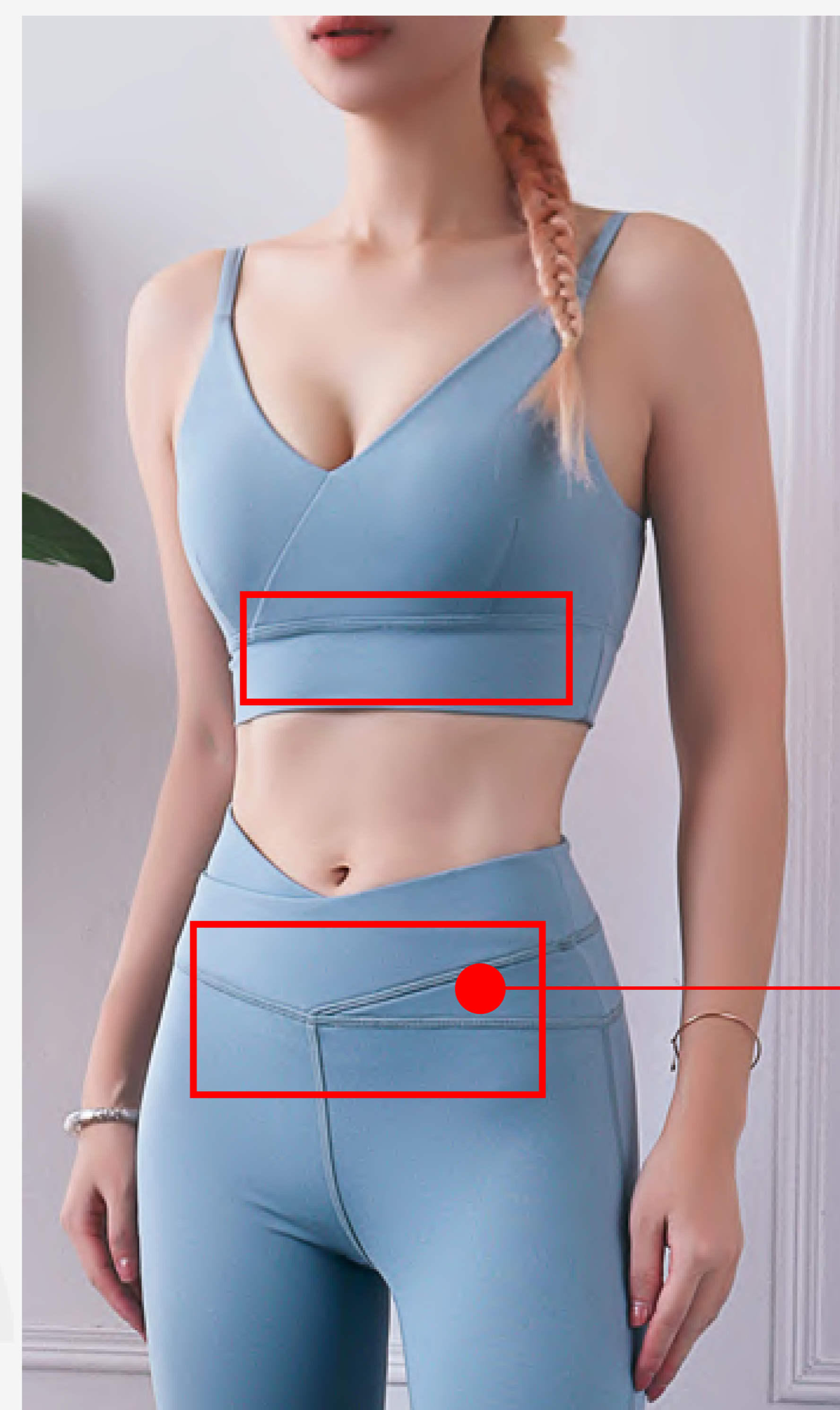
Eliminate the fabric sections for stitching, creating products that are up to 6% lighter.

Elegant appearance

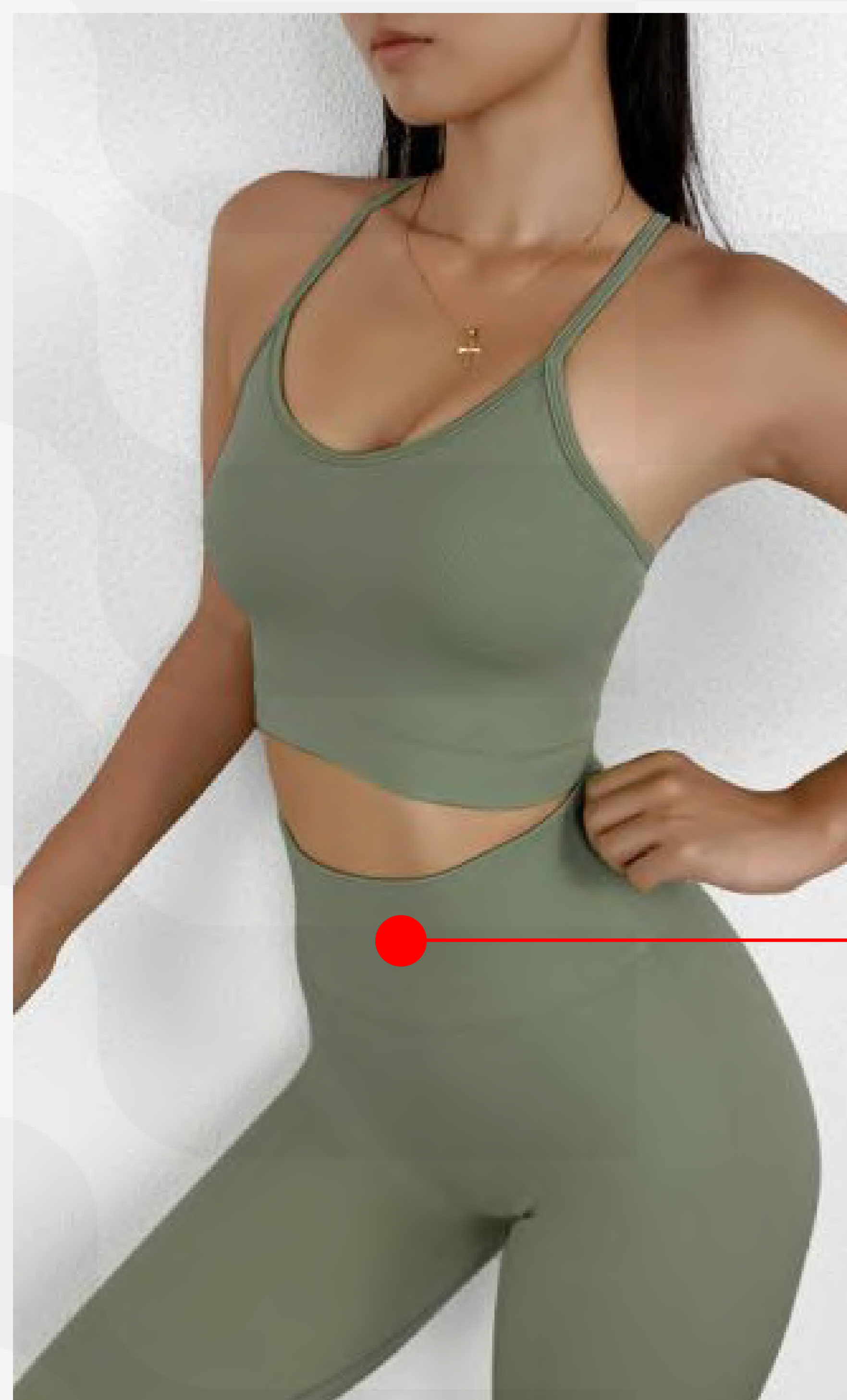
Provide a smooth and seamless finish, giving it a luxurious and neat appearance.

Durability & flexibility

Offer optimal stretch and recovery, providing comfort to the wearer.



Normal fitness clothing have sewing lines



Seamless clothing have no sewing lines

Fabric savings

Eliminating the excess required for seams, saving materials during production.

Improved water resistance

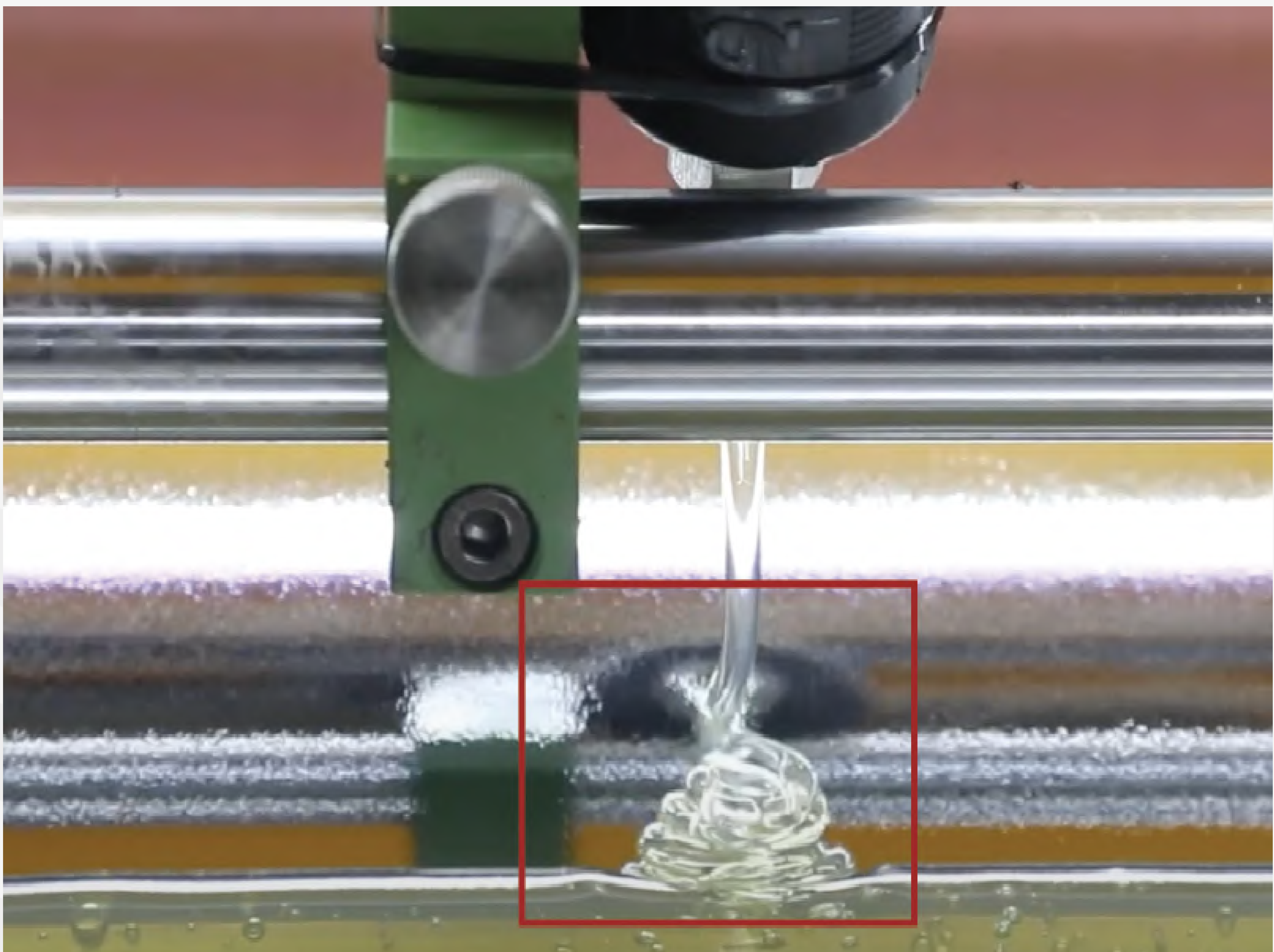
Absorb less moisture when wet due to the absence of water-absorbing thread.

Lower defect rates

Use automated production process ensuring higher accuracy.

Swipe 

SEW-FREE METHODS: ADHESIVE BONDING



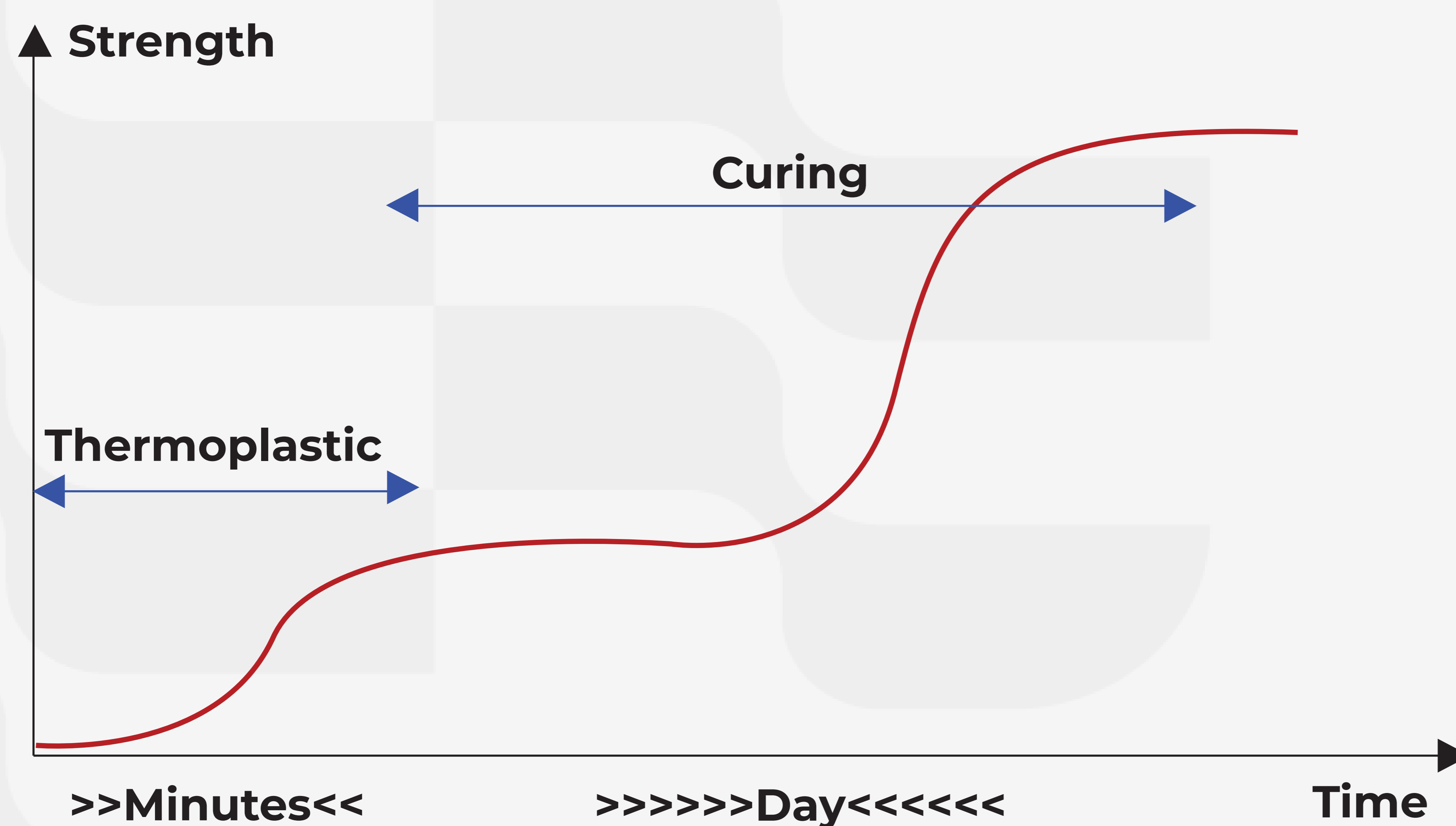
Swipe 

ADHESIVE MATERIAL: HOT MELT PUR (POLYURETHANE REACTIVE)

Hot Melt PUR is one of the primary adhesives commonly used in sew-free technology. The curing of Hot Melt PUR involves two main stages:

Thermoplastic Stage: It is heated to a liquid for easy application. Upon cooling, it quickly solidifies, creating an initial mechanical bond and can be remelted if needed.

Thermosetting Process: The adhesive reacts with moisture, with temperature and humidity affecting speed. Once cured, it forms a strong bond and won't melt when reheated.



PUR adhesives offer excellent performance, including high bonding strength between fabric layers, and strong resistance to solvents, heat, and water. The bonds remain unaffected by environmental conditions and usage, ensuring the long-term quality of the product.

Swipe

HOT MELT PUR PRODUCTS

Prostech offers a wide range of high-quality Hot melt PUR from top global adhesive manufacturers designed to meet different high-quality textile application!



Choosing the right adhesive for fabric depends on the specific requirements of the application and environmental conditions. With many years of experience in the adhesive industry, Prostech is ready to assist customers in selecting the appropriate adhesive and providing integrated solutions into the production line. Visit our website to see all PUR hot melt adhesives!

VISIT OUR WEBSITE

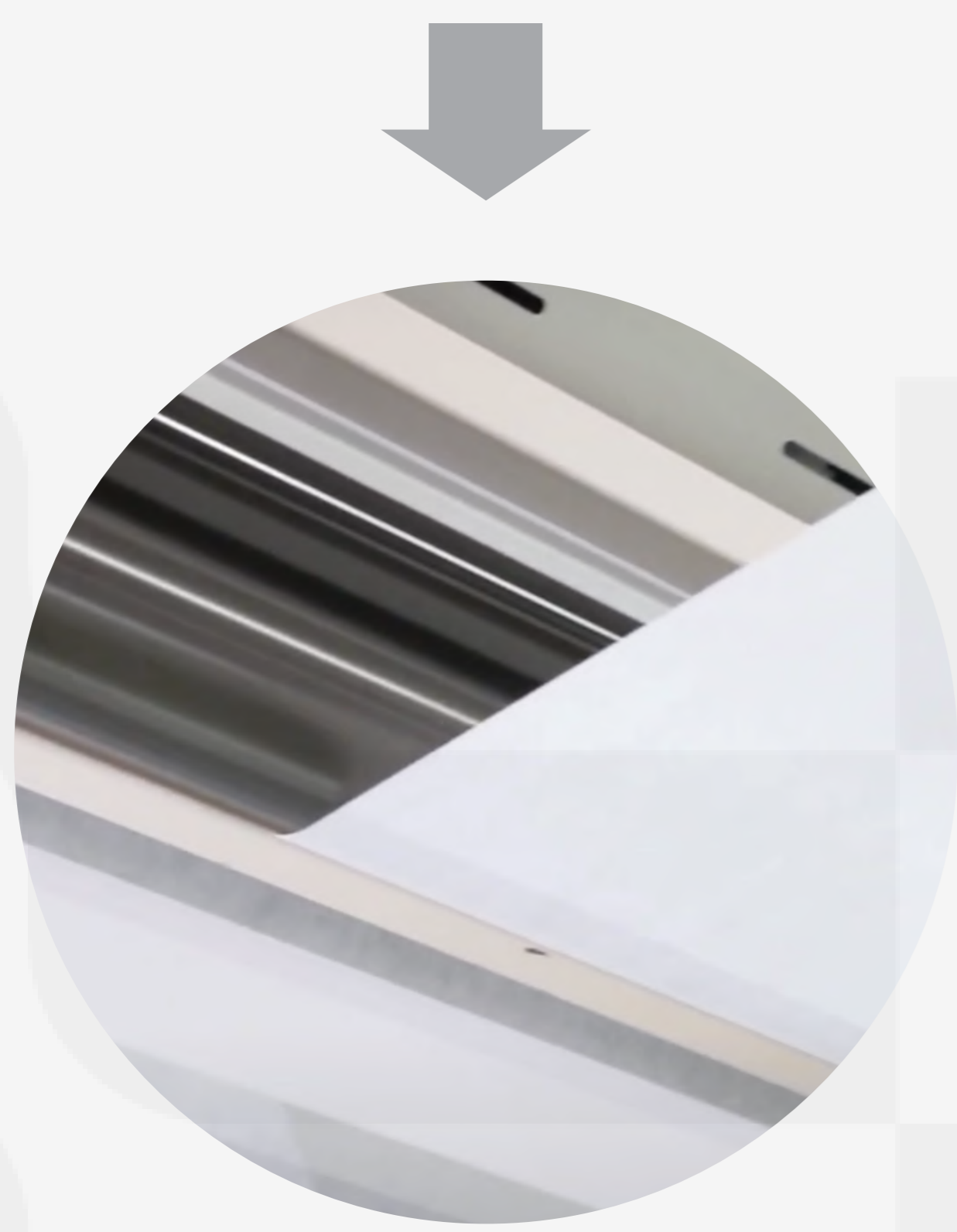
Swipe 

ADHESIVE BONDING PROCESS



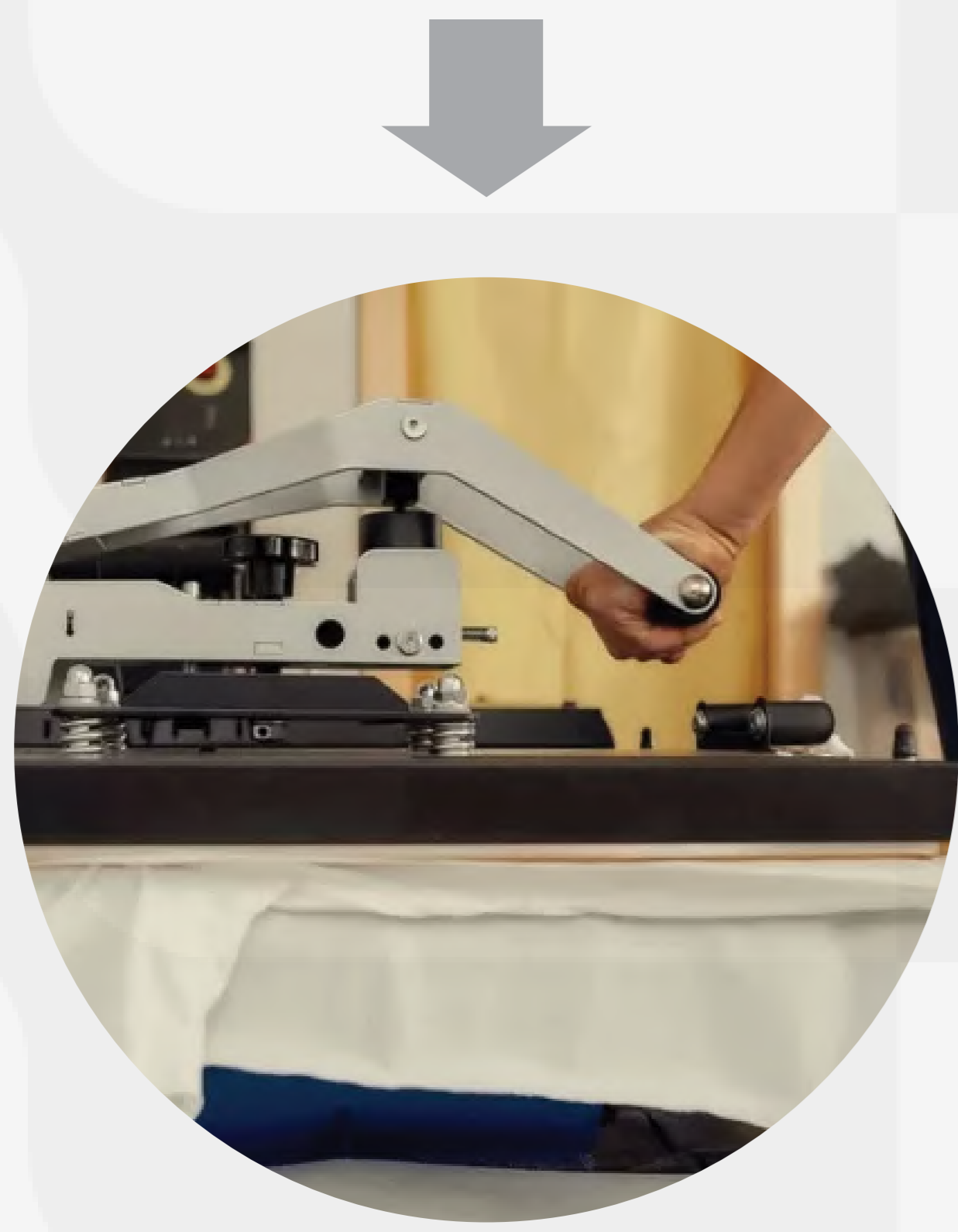
STEP 1: SPREAD GLUE

The adhesive is melted and then sprayed or rolled onto the fabric surface using an automatic glue coating machine to ensure uniformity.



STEP 2: DOUBLE COUNTERPOINT BONDING

The fabric layers are placed on top of each other and pressed at fixed points (symmetrical points) to create an initial bond.



STEP 3: HEAT PRESSING

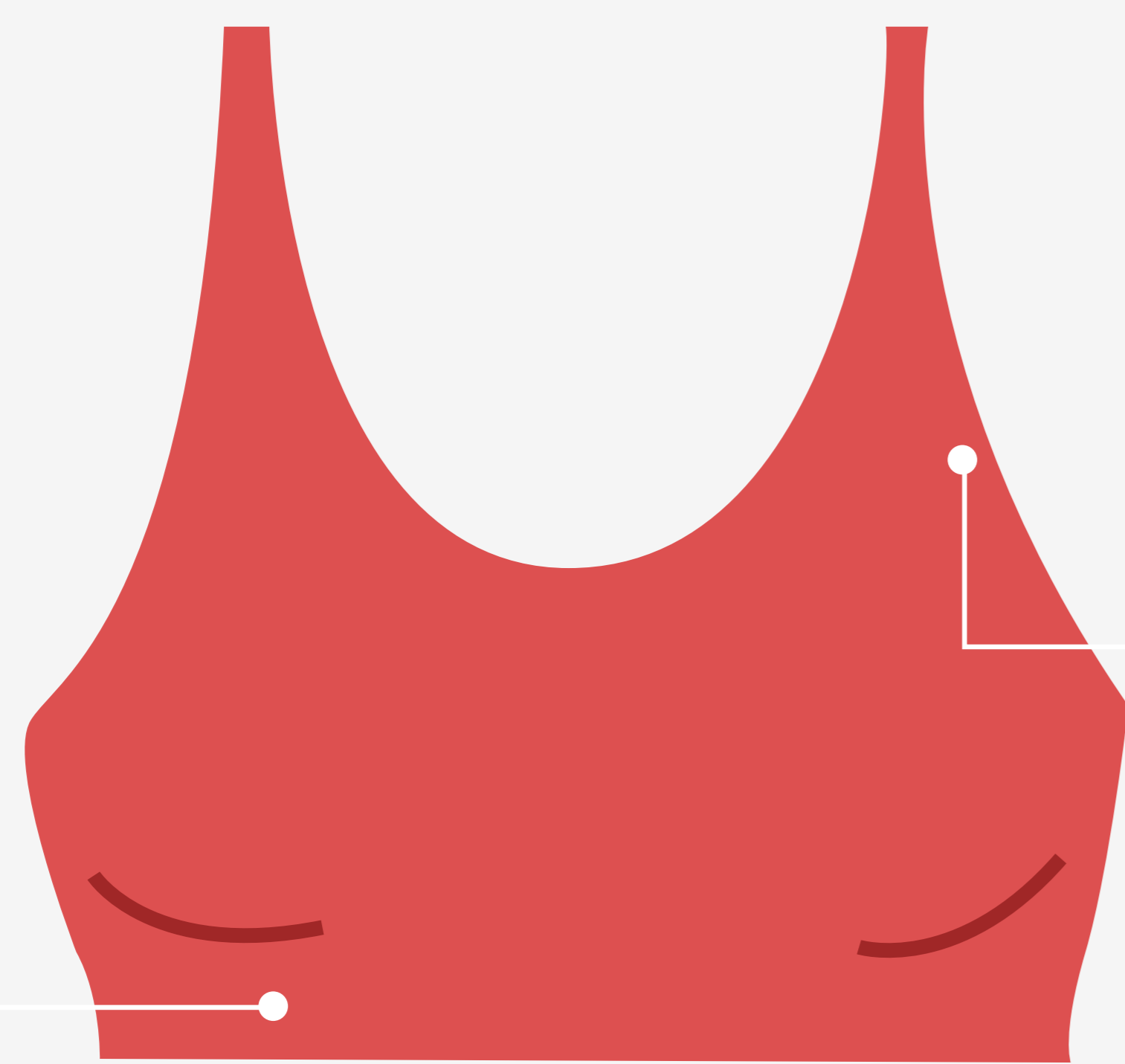
A heat press machine applies high pressure and temperature to the fabric layers that have been coated with adhesive and bonded.



STEP 4: CUTTING

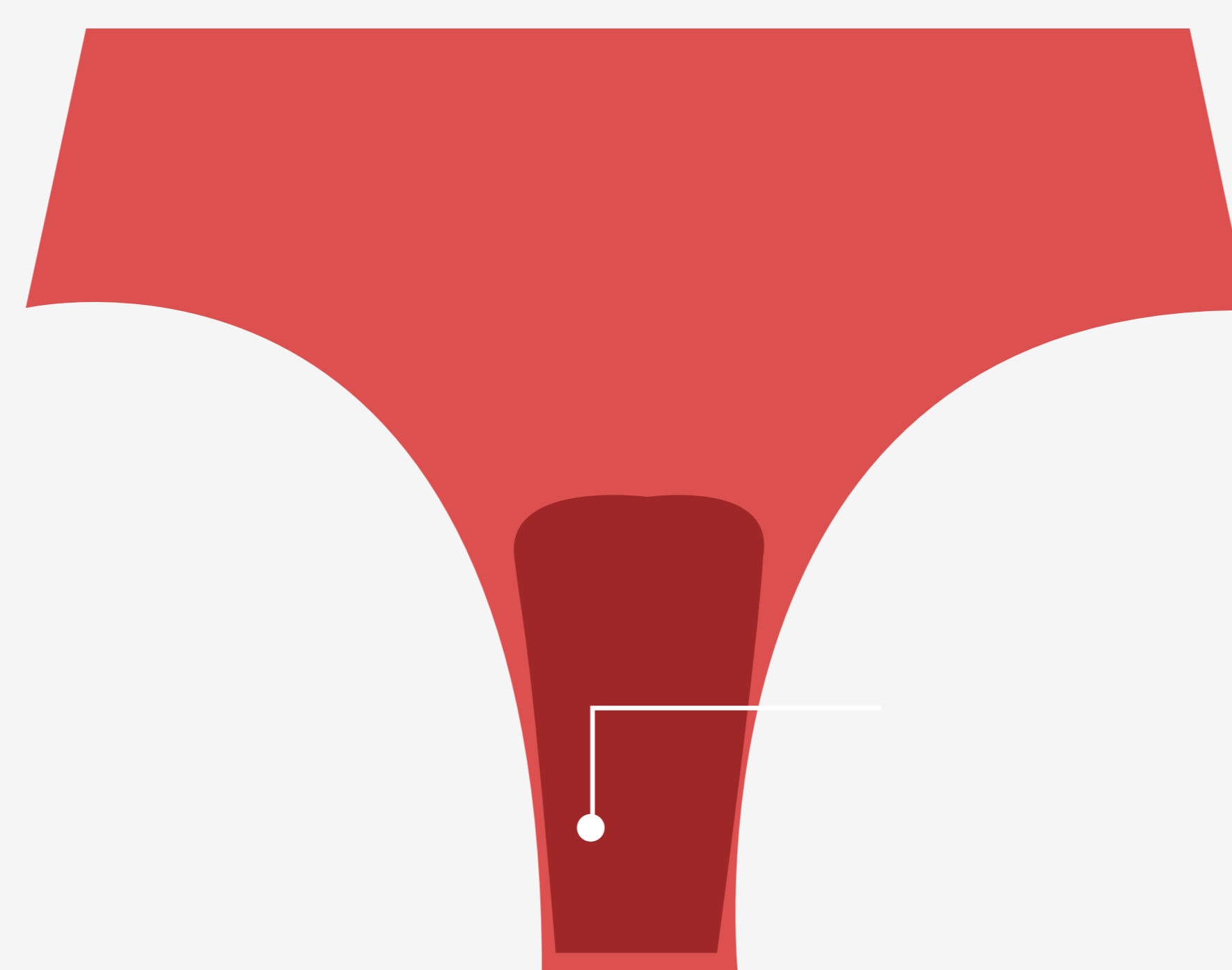
Automatic cutting machines or laser cutters are used to precisely cut the fabric according to the design.

5 MOST POPULAR APPLICATIONS OF SEW-FREE TECHNOLOGY



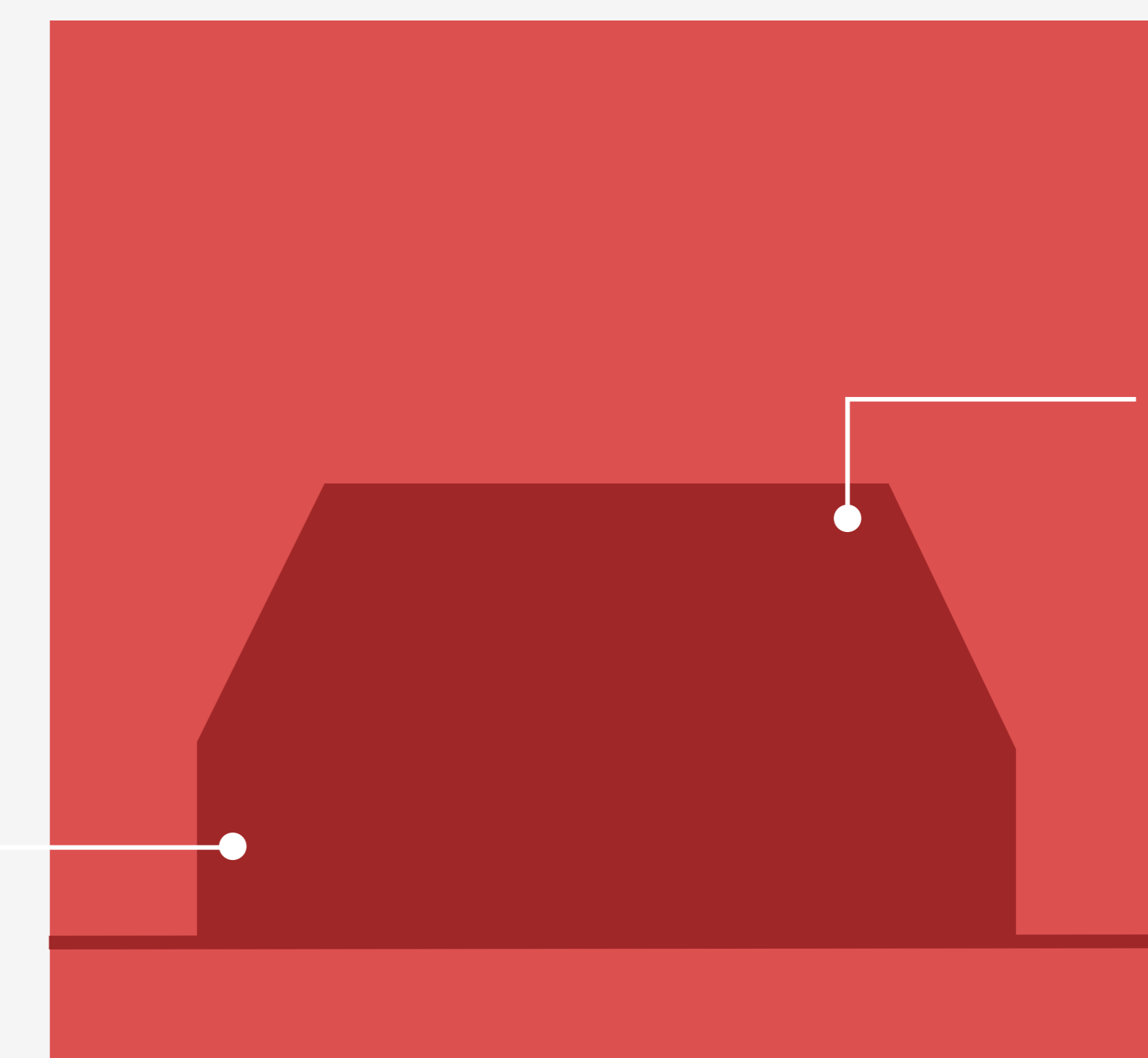
1

Wire-Free Bras
(Edging and Underbands)



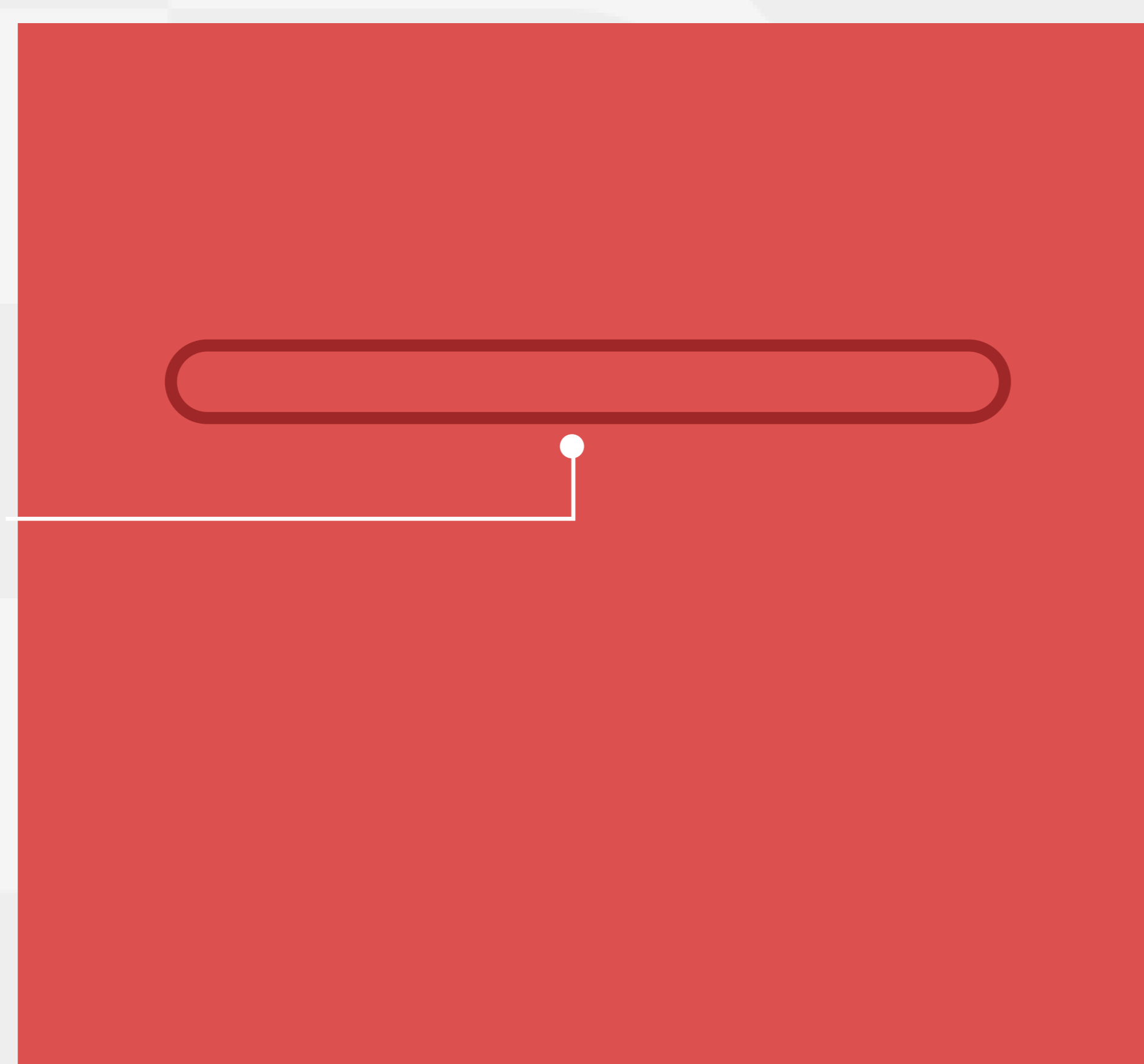
2

Underwear
(Crotch and Waistbands)



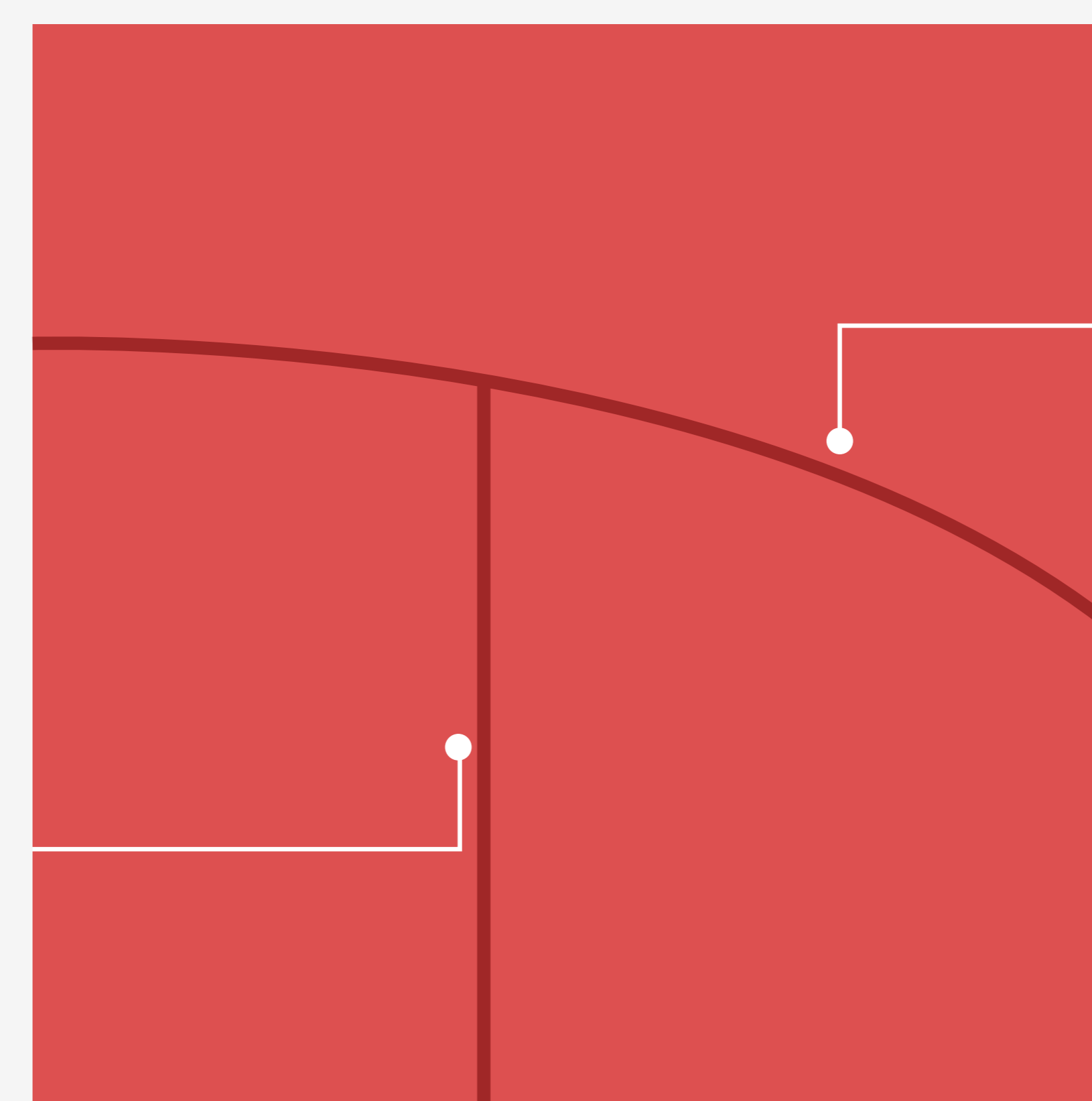
3

Kangaroo Pockets



4

Zippers



5

Overlapping Seams



READY TO INNOVATE WITH SEW-FREE TECHNOLOGY?

Contact us to learn more about how Sew Free can transform your fashion line!



Laboratory Testing Support



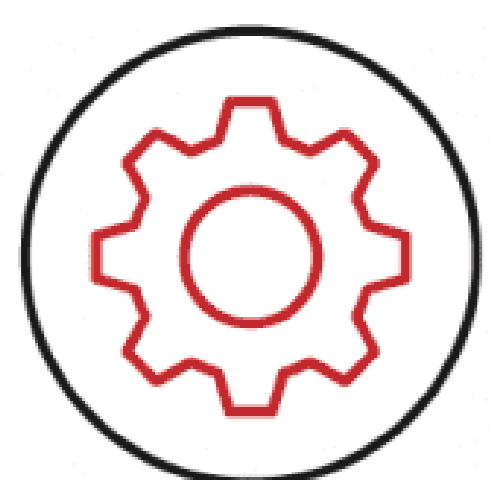
Formulation Customization



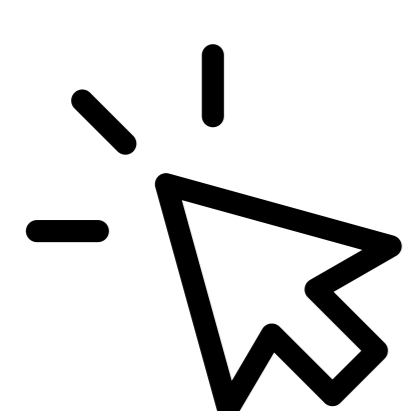
Package and Label Customization



Global shipping






Production Automation and Optimization



Explore our full article on the website by clicking **the link in the comments!**

FOLLOW US

-  Stay ahead with the latest trends in material and manufacturing technologies and trends
-  Access to case studies, expert tips and knowledge from industry professionals
-  Be the first to learn about new product launches, technological advancements and events.

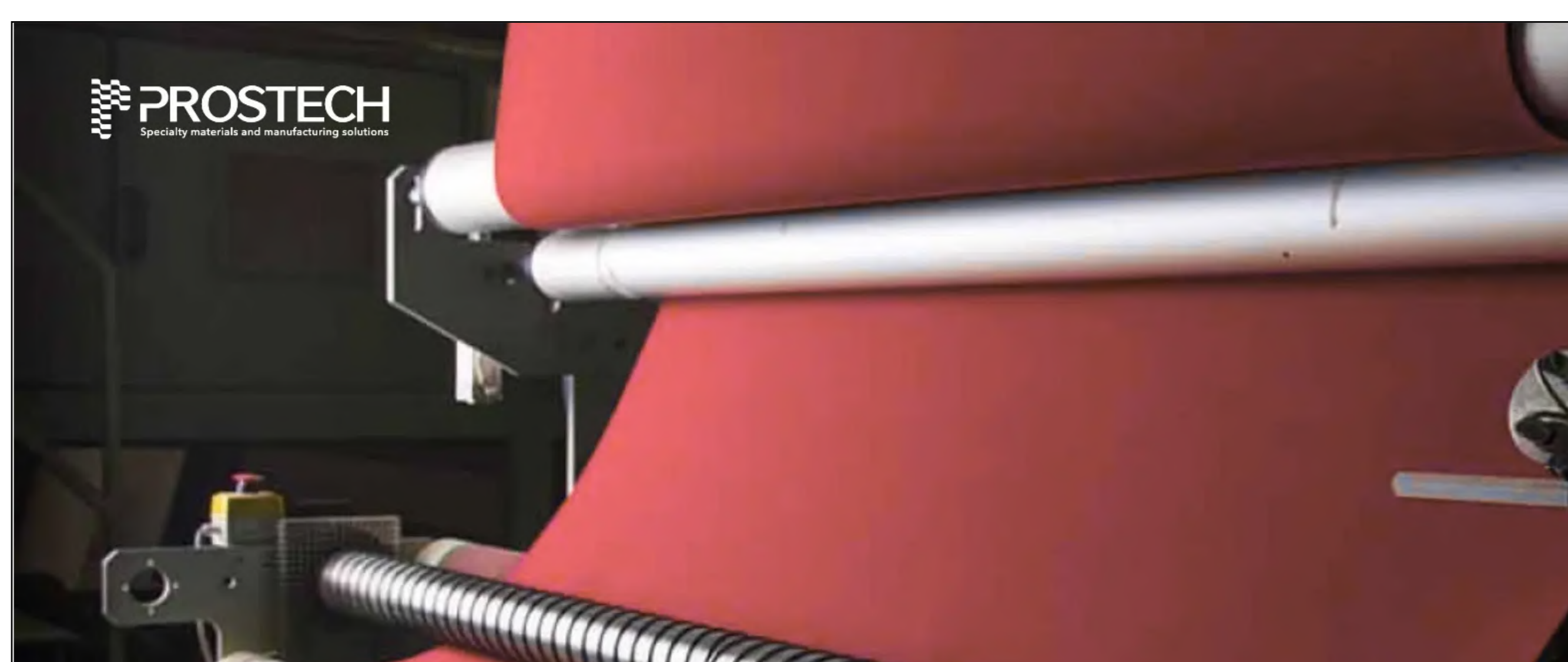
Follow us on other channels:

 [youtube.com/@prostechtechnology2910](https://www.youtube.com/@prostechtechnology2910)

 [facebook.com/prostechtechnology](https://www.facebook.com/prostechtechnology)

 prostech-asia.com

Related contents:



**Types of Textile Adhesives:
A Quick Guide**



**Textile lamination: Adhesive
solutions for textile lamination**

[View all contents →](#)