



**FULL-SERVICE IN
EPP PROCESSING**

EFFICIENT. SUSTAINABLE. COMPLETE.

AT HIRSCH ERLENBACH TECHNOLOGY, OUR EPP PRODUCTION PROCESS TRANSFORMS RAW MATERIALS INTO HIGH-QUALITY PARTS WHILE MINIMIZING WASTE.

From initial storage to accurate shaping, every step is designed for maximum efficiency and sustainability. With our precision systems along the entire value chain, we create a true circular process that adds value at every stage.

1. RAW MATERIAL STORAGE

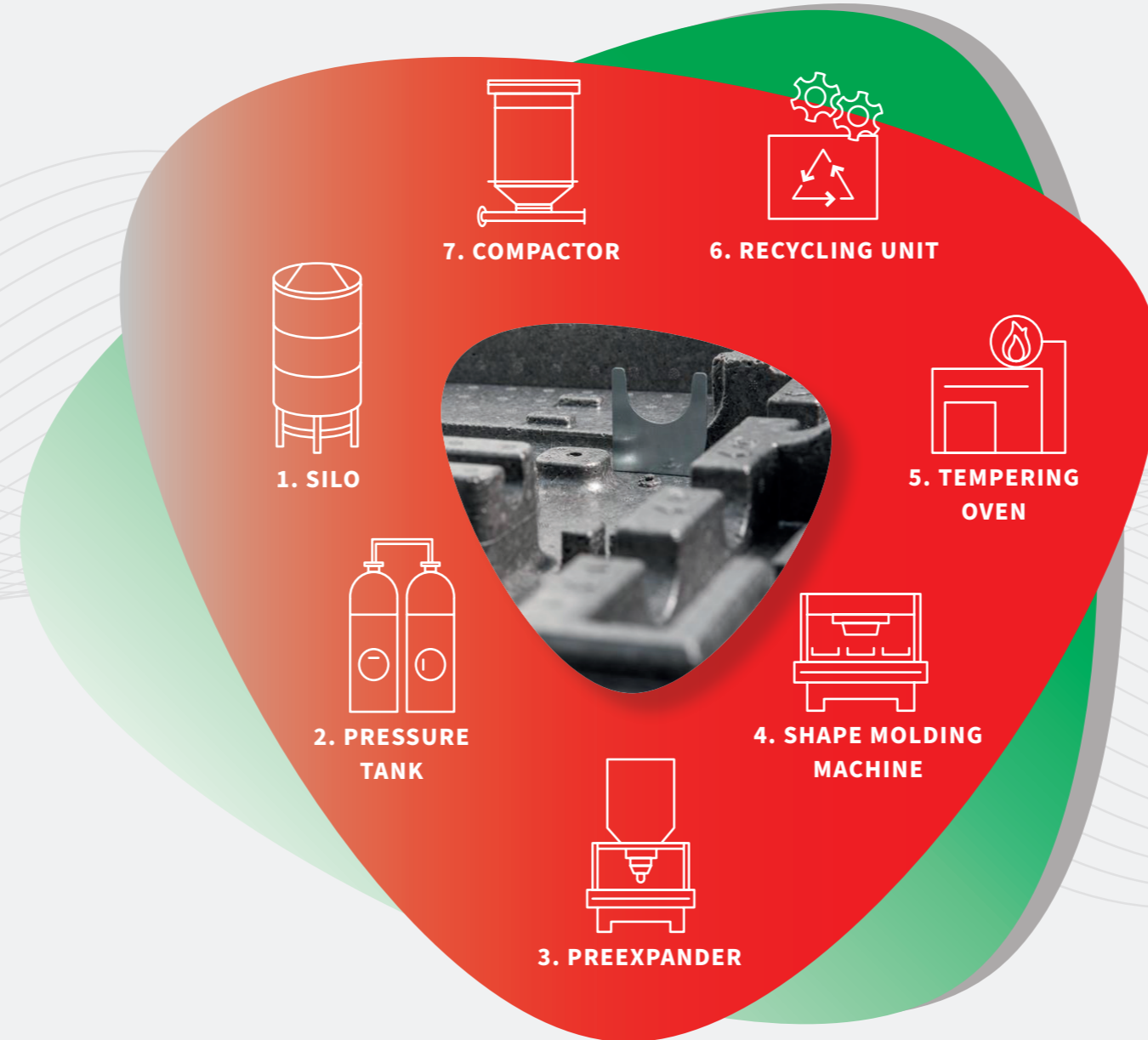
EPP, sourced from raw material suppliers, is stored in our silo, ensuring it remains in optimal condition and ready for production.

2. MATERIAL CONDITIONING

The EPP material enters the pressure tank, where it is precisely conditioned for consistency, preparing it for expansion.

3. PRE-EXPANSION

Material undergoes controlled pre-expansion, allowing it to reach its target volume and density, primed for molding.



1. SILO



2. PRESSURE TANK



3. PREEXPANDER



4. SHAPE MOLDING MACHINE



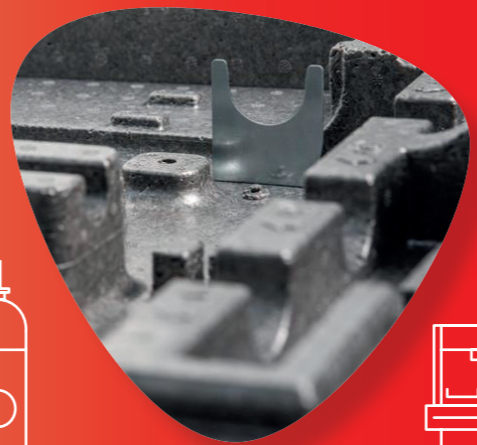
5. TEMPERING OVEN



6. RECYCLING UNIT



7. COMPACTOR



4. SHAPE MOLDING

Expanded EPP is precision-molded into its final shape, meeting demanding tolerances. In addition to our highly developed production process, our in-house expertise in moldmaking ensures optimal shaping, efficiency, and durability. The seamless interaction of machine and mold enables complex designs, giving you a competitive edge.

5. OPTIONAL SURFACE FINISHING

For enhanced surface properties, the molded parts can be heat-treated in the tempering oven, providing additional strength and finish quality.

6. RECYCLING SCRAP MATERIAL

Any scrap material generated is shredded in our recycling unit, re-entering the loop as raw material, maximizing resource efficiency.

7. OPTIONAL COMPACTION FOR RETURN

Scrap material can be compacted in our units, prepared for return to suppliers for reuse in the manufacturing cycle.

MORE ABOUT



FUTURE OF CIRCULAR PRODUCTION

Dive into our products and discover how we bring circular production to life.

www.hetech-group.com/products



FIRSTHAND EXPERIENCE

Curious about the technology driving our circular EPP solutions? Visit our facilities and our Experience Center to witness sustainable production in action, from raw material to finished part. Book your tour.

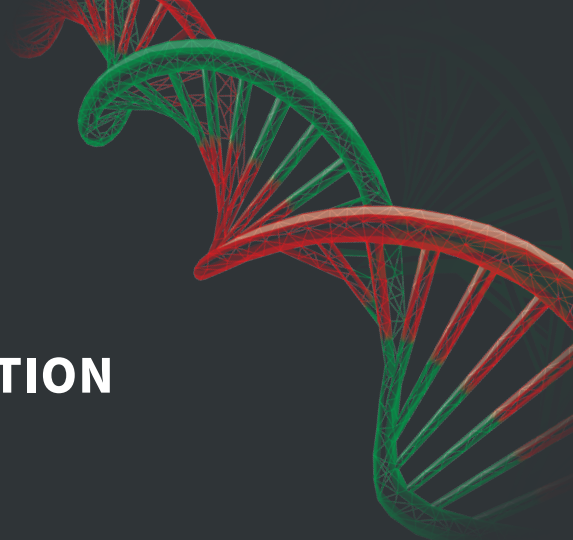
info.em@hetech-group.com



INDIVIDUAL SOLUTIONS

Our team is at your side and will work with you to develop a production process that is specifically tailored to your needs.

www.hetech-group.com/team



HIRSCH Technology



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