

Heberlein Technology AG at GTTES 2025: Redefining Precision in Yarn Processing

The textile industry is witnessing a shift towards lighter, stronger, and more refined yarns, and **Heberlein Technology AG** is at the forefront of this transformation. As a global leader in air interlacing and texturing jets, Heberlein is set to introduce groundbreaking innovations at GTTES 2025, scheduled from 21st to 23rd February 2025 at the Bombay Convention & Exhibition Centre, Mumbai, India.

With its record-small 0.65 mm orifice DTY jet insert APe043 and the new HemaJet-LB06 housing, Heberlein is revolutionizing yarn processing for ultra-fine textiles. If you're in the synthetic fiber manufacturing or air texturing industry, **this is your opportunity to witness cutting-edge technology firsthand!**

 Visit Heberlein at Stall D17, Hall 3



Introducing the APe043 DTY Jet Insert: The Future of Ultra-Fine Yarn Processing

The **demand for ultra-lightweight, premium fabrics**—especially for activewear and luxury garments—is growing rapidly. Recognizing this shift, Heberlein introduces the DTY jet insert APe043, featuring a record-small 0.65 mm orifice for enhanced productivity, precision, and profitability.

Why the APe043 Jet Insert is a Game-Changer?

- ✓ Minimizes yarn displacement, preventing undeveloped knots
- ✓ Ensures smooth production for ultra-fine yarns down to 20 deniers
- ✓ Increases productivity while maintaining superior yarn quality
- ✓ Optimized for high-quality polyamide filament production
- ✓ Energy-efficient technology, positively impacting mills' profitability

At a time when global demand for high-performance synthetic fibers is skyrocketing, this innovation sets new standards in precision and efficiency.

HemaJet-LB06: The Next-Generation Air Texturing Solution

Heberlein is also unveiling its latest breakthrough for Air Textured Yarn (ATY) processing—the HemaJet-LB06. Known for its robust construction and versatile compatibility, this housing solution simplifies and optimizes the **air texturing process** like never before.

Why Choose the HemaJet-LB06?

- ✓ Compatible with all Heberlein jet core series (T, A, and S)
- ✓ Adjustable impact body distance for precise texturing control
- ✓ Supports a wide range of yarn applications, from 30 dtex to 3,000 dtex
- ✓ Enables both compact, uniform yarns and softer textile yarns

The New Generation of Spinning Jets: PolyJet-SP3 & PolyJet-TG-3





For spinning high-tenacity (HT) and high-modulus low-shrinkage (HMLS) yarns, Heberlein’s PolyJet-SP3 and PolyJet-TG-3 set the gold standard in air interlacing technology.

Unparalleled Benefits of PolyJet Series:

- ✓ More than 12 knots per meter for superior yarn uniformity
- ✓ Consistent tensile strength, elongation, and elasticity
- ✓ Quick-release system—swap jet packs in seconds with a simple 180-degree turn
- ✓ Space-saving design with a roll bar for ceramic surface protection


These innovations enhance yarn strength, process stability, and bobbin unwinding behaviour, making them indispensable for high-performance textile applications.


Why Visit Heberlein at GTTES 2025?


-  Experience breakthrough air interlacing and texturing innovations
-  Witness the smallest-ever 0.65 mm orifice jet insert in action
-  Learn how energy-efficient technologies enhance profitability
-  Network with Heberlein experts and explore customized solutions

Whether you're a synthetic fiber manufacturer, textile technologist, or industry leader, Heberlein’s latest innovations offer unparalleled advantages in precision processing and yarn enhancement.

Meet Heberlein at GTTES 2025!

 Stall D17, Hall 3

 21st – 23rd February 2025

 Bombay Convention & Exhibition Centre, Mumbai, India

Join us to explore the future of textile engineering with Heberlein. See you at GTTES 2025!

-Blog by Divya More