

Techtextil 2024 – Press release

Solution provider for demanding technical applications

Wattwil, Switzerland, 16.02.2024 - The advancements in high-performance yarns have revolutionized various industries by offering versatile alternatives to traditional raw materials. These filament yarns, customized to meet specific requirements, extend far beyond the realm of conventional textiles, finding applications across diverse sectors such as automotive, aviation, maritime, medical, and construction. Swiss-made key components from Heberlein offer optimum technology at the forefront of latest developments in textile filament processing.

PolyJet-TG-3 – new generation of spinning jet

The dawn of a new generation of spinning jets for technical yarns is upon us, powered by the innovative capabilities of Heberlein specialists. The new generation of jets brings not only an even and uniform interlacing density but also heavy, reliable knots for high tenacity yarn (HT and HMLS). More than 12 knots per meter e.g. 1100f98dtex and/or 1670f98dtex are now possible. Thanks to the new quality of the yarn, tensile strength, elongation, and elasticity show a smaller variation which leads to improved unwinding behaviour of bobbins.

Comparison of yarn evenness for PES dtex 1100f192

PolyJet-TG45-HN403A/C052



PolyJet-TG-3-HP405A/WP70



PolyJet-TG-3-HP405A/W070 (TopAir)



Comparison yarn evenness

Further advantages of the 3rd generation are

- Quick Change System enables jet types to be changed within seconds
- Modular system enables a later upgrade to HP version
- Compact, space-saving design
- Special jet housing protects high-grade ceramic plates
- Colour coding possible for better differentiation of the jetpacks

AirSplicer-3 Flex - Applications for high-strength technical fibers

Yarn splicers use compressed air to produce a tear-resistant, homogeneous splice of material without interfering knots. **Heberlein's AirSplicers** are used in a wide range of applications for high-strength technical fibers. The new generation shows the following benefits:

- Width-adjustable splicer for technical and textile multifilament yarn
- One splicer covering 500dtex up to 30'000dtex, depending on material

Synthetic multifilament yarns, Aramid, Carbon or Glass can be spliced with one flexible AirSplicer.

The new unit incorporates both former types, AirSplicer 70-2 and 40-2, and covers the full application range.



AirSplicer-3 Flex

We look forward to welcoming you personally to Techtextil at booth 12.0B01.

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