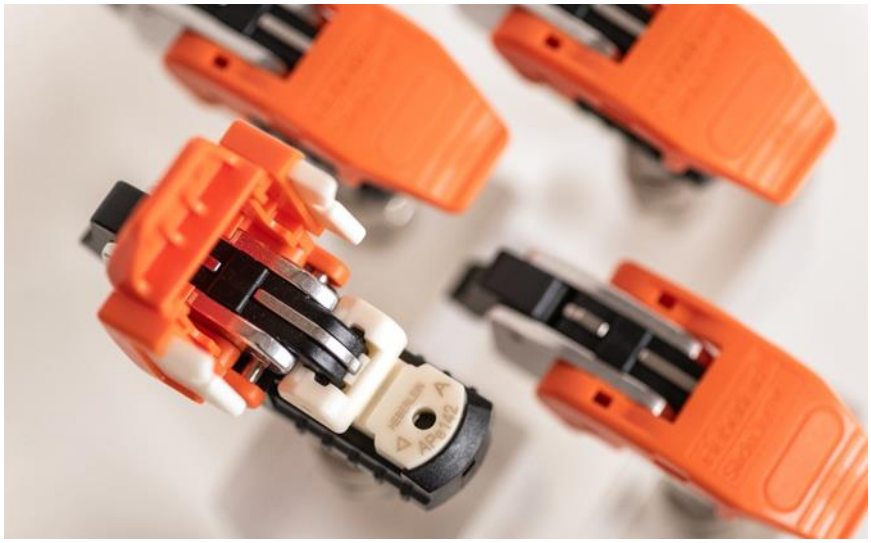
A profitable investment, ready for the upturn
Savings now and future growth: Heberlein has the facts and figures

Recognized as the foremost provider of air interlacing and air texturing jets, Heberlein unveils its Advanced Performance DTY interlacing jets range. The APe series jets promise substantial reductions in compressed air usage, while the APh series meets the most demanding criteria for knot stability. For those seeking optimal profitability, Heberlein introduces these innovations as appealing investments.

The textile market experienced a noticeable downturn in 2022, with the annual International Textile Machinery Shipment Statistics (ITMSS) indicating a 13% drop in draw texturing spindle shipments globally – China contributing 86% of this figure. Heberlein's historical data from slowdown periods such as 2007/2008 and 2020/2021 reveals a robust recovery in the DTY sector following such phases.

Savings every hour

With Heberlein's announcement of the APe series at ITMA 2023 – which can decrease compressed air consumption by 15% while maintaining knot numbers – DTY yarn manufacturers quickly saw the benefits. An Italian texturizer, considering replacing their P142 jet with an APe142, estimated daily savings of USD 120 for a 288-position machine operating at 3 bar. These savings, based on local electricity costs, translated to $5 hourly savings.



SlideJet-FT15-2 with new Jet insert APe142

In China, where energy costs are typically lower, a texturizer would save about $1 hourly. These calculations, influenced by data from GlobalPetrolPrices.com and industry costing standards, indicate that a machine equipped with APe series jets could save approximately $24.3 daily. Nevertheless, these figures should be contextualized within China's manufacturing landscape, where considerable state subsidization occurs. For comparison, staff in China's Shanghai area earn around $800 monthly for a 48-hour week. Hence, with the APe jets, DTY manufacturers can save roughly three-quarters of a worker's monthly salary per machine.

The strategic jets

This dual approach of current savings and preparing for market recovery positions Heberlein's new generation of DTY air jets as strategic investments. The APe jets, suitable for diverse multifilament yarns, promise faster processing speeds, enhanced package construction, and fewer filament and yarn disruptions in subsequent processes. This series also appeals to those championing sustainability. The reduced energy consumption for equal knot performance ensures sustainability without any concessions.



SwissJet housing

Through advanced flow simulations, Heberlein's DTY specialists have integrated crucial insights into the design of these Advanced Performance jets. Numerous trials, both in-house and at client locations,

vouch for the enhanced productivity and energy efficiency of this new jet generation.

Pole position

The textile sector undoubtedly hopes for a swift market revival. To quickly regain momentum and maximize production, Heberlein's APh interlacing jets are perfectly positioned. They meet the strictest knot stability requirements, ensuring unparalleled yarn quality and consistent processes. Especially for yarns produced using air covering within the 110 to 300 dtex range, the APh jets showcase optimum performance – a feature evident in knitting, warp knitting, and weaving processes.

Next steps

For crucial investment decisions, detailed calculations are indispensable, and Heberlein is eager to assist prospective clients in this aspect. The company recommends preliminary discussions with their specialists or direct interactions at ITMA Asia 2023 (Hall 8.1, Stand A43). A noteworthy detail for filament yarn producers: the new APe and APh series can be effortlessly integrated into existing setups like the SlideJet FT15-2 and SwissJet housings, ensuring swift and hassle-free replacements.