

Success Story

Voith Paper

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Voith and BTG products drive Fine Hygienic Holding to set new world record in tissue production

ABU DHABI, UNITED ARAB EMIRATES. Fine Hygienic Holding, one of the world's leading manufacturers of high-quality hygiene products, was able to set a new world record in tissue production in their Al Nakheel mill. This success was accomplished through a combination of state-of-the-art technology, a highly qualified team and flawless collaboration between Fine Hygienic Holding, Voith and BTG.

The paper machine on which the world record was set is equipped with high-quality products from both Voith and BTG. Voith supplied the forming section with TissueForm ITY wire, the press section with TissueFlex P2 felt and the Yankee with TerraDry HC+ metal coating. Meanwhile, BTG delivered a global Yankee asset protection solution with high performance blades (including the latest Tillium blade) in combination with VigilancePRO to monitor blade vibration and coating hardness. This proved a critical step in ensuring the steady performance of the blades over 24 hours and thus achieving the record.

All this culminated in the unprecedented achievement of a record speed of 2,222 meters per minute for 24 hours, resulting in the manufacturing of 13.2 grams per square meter of facial tissue, all while maintaining an impressive efficiency rate of 96.5 percent. The collaboration between all three partners was seamless and proved to be the determining factor for Al Nakheel in achieving the world record.

"We are proud to have set this world record. We could not have done it without the highly skilled and capable team and excellent products of both Voith and BTG," says Khalil Shorbaji, Operations Manager at Al Nakheel. "Voith's forming fabrics and press felts ensured high speed and excellent quality in parallel with energy optimization. The ceramic blades and advanced vibration analysis system from BTG helped us maintain machine performance coupled with significant reduction in manufacturing cost."

The collaboration between Voith and Fine Hygienic Holding first began in the 1990s with the delivery of a tissue machine to their mill in Jordan.

Since then, the companies have been on excellent terms, with Voith providing wear parts and other services.

“We are very pleased with this achievement. This world speed record demonstrates our commitment to continuous improvement and sustainability,” says Abdelhadi Alhader, Project Manager at Fine Hygienic Holding. “We have not only increased speed but also reduced energy and water consumption and decreased the CO₂ footprint to create a healthy environment for the next generation.”

“It’s an unprecedented and amazing achievement from the best-in-class team. Our partners have played a tremendous role in this success. The products from Voith and BTG are excellent and an essential part of this record,” adds Samir Masoud, UAE Supply Chain Director at Fine Hygienic Holding.

About Fine Hygienic Holding:

Fine Hygienic Holding (FHH), one of the world's leading wellness groups and MENA's leading manufacturer of hygienic products, serves consumers in more than 80 countries around the world. Originally established as a paper manufacturer, FHH has transformed into a wellness company dedicated to enhancing global health and wellbeing.

FHH offers a diverse array of award-winning products including sterilized facial tissues, napkins, kitchen towels, toilet paper, baby diapers, adult briefs, jumbo rolls, as well as away-from-home products to accommodate all types of private and public institutions. In addition to its long-lasting germ protection solutions, it also brings innovative nutritional supplements, Motiva, and longevity blend, eon, to the market.

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