

Tianhai Athleisure Solutions (TAS) takes customisation to new levels

First time PERFORMANCE DAYS exhibitor Tianhai Athleisure Solutions (TAS) is introducing a radically new approach to engineered garment design with a fully customizable lace and jacquard knit programme specially developed for active and crossover sportswear.

Tianhai Athleisure Solutions (TAS) is a new division of leading Chinese lace manufacturer Tianhai Lace. Its key platform is an innovative Design-to-Garment solution known as D2G that opens up new possibilities to activewear brands.

With its vast array of lace, rascheltronic and circular knitting machines, TAS can offer all types of motifs, mesh, jacquard knits etc., made to the specifications of its clients. The new division is targeting the growing athleisure market as well as fitness, running and related activities.

D2G, a design-to-fit jacquard programme, is a very flexible and versatile body-mapping system in which pattern repetitions can be engineered to any garment's shape or size. It enables brands to develop exclusive patterns for tops and bottoms, including finishing details (hem, waist, neckline, etc.). D2G by TAS requires close cooperation with a customer's designers and technical staff as each and every fabric will be unique for the intended garment.

The customization features are not limited to shapes and patterns as TAS can also integrate functional yarns into the fabrics to offer varied performance properties. Many types of synthetic and natural fibres can be used, including wool and stretch yarns as well as specialty moisture-management, thermal or cooling fibres. The fabrics can be engineered to offer compression, control, lift or shape where needed. The resulting body-mapped garments will have fewer seams while providing breathability and comfort along with tailored high performance functions.

TAS can also apply special finishes to provide added comfort and features. The company has partnered with specialty chemicals company HeiQ to offer fabrics with its Pure Silk finish that gives a luxurious smooth silky hand feel to fabrics.

The knit and lace specialist views sustainability as a key facet of its operations. The Tianhai group is the world's first lace manufacturer to become a Bluesign system partner.

“With D2G, the possibilities for creativity, innovation and differentiation are unlimited,” says Bob Wong, head of the new TAS division. “We see patterned knits as a niche to fill in a market dominated by plain fabrics. Our technology makes it possible to engineer a garment in ways that were previously not possible.”

About Tianhai Lace Co., Ltd.

Tianhai Lace Co., Ltd. was established in Guangzhou, China in 1988. It has since become the leading Chinese lace manufacturer and operates the largest number and variety of lace and knit making machines. The recently launched Tianhai Athleisure Solutions (TAS) division is headed by Bob Wong, Project Manager TAS.

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