

SHIMA SEIKI to Exhibit at Techtextil North America 2022

Leading knit solutions provider SHIMA SEIKI MFG., LTD. of Wakayama, Japan, together with its U.S. subsidiary SHIMA SEIKI U.S.A. INC., will participate in the Techtextil North America exhibition in Atlanta, Georgia, U.S.A. this month. Under the theme "techKNITians—Technical Engineered Knit Applications," the company will display its latest computerized flat knitting machines and computer graphic design system technology, aimed at promoting knitted applications in the field of technical textiles.

Pioneered by SHIMA SEIKI, WHOLEGARMENT® knitting technology is capable of producing knitted items in their entirety without the need for sewing, and allows complex 3D forms to be knit such as car seat covers and interior furnishings. Selective compression allows control over placement and amount of pressure for various compression wear in sports and medical applications. The seam-free nature of WHOLEGARMENT® also ensures continuity of yarn, allowing functional yarns such as conductive yarns to wrap around the entire body without interruption, for applications in smart garments and wearable technology. Demonstrating the latest in WHOLEGARMENT® knitting technology at Techtextil will be the flagship MACH2XS machine that features the company's original SlideNeedle™ on 4 needle beds and patented spring-loaded full-time sinker system. Capable of WHOLEGARMENT® knitting in all-needles, MACH2XS offers great flexibility for knitting high-quality WHOLEGARMENT® products with a seemingly endless variety of knit patterns at very high speed and efficiency, all while minimizing dependence upon labor-intensive sewing and linking. At Techtextil North America MACH2XS will be shown knitting a seam-free balaclava in one entire piece using fire-resistant yarn.

Also shown will be the SWG091N2 compact WHOLEGARMENT® knitting machine, also featuring SlideNeedle™ technology. Capable of producing small knitted items from safety gloves and compression socks to more sophisticated industrial applications such as tubular shields and harnesses, SWG091N2 offers unique solutions for the automotive, aerospace, sports, medical, safety, outdoor and other markets by knitting items in 3D without seams. SWG091N2 will be knitting fire-resistant gloves at Techtextil North America.

SHIMA SEIKI's SDS-ONE APEX4 3D design system will also be available for demonstrations in design and simulation of various technical textiles. Of particular interest is its ultra-realistic simulation capability that realizes virtual sampling. When numerous variations must be evaluated before arriving at a final design, virtual product samples can be used to streamline the decision-making process by minimizing the enormous amount of time and cost normally associated with producing actual physical samples for each variation. The sustainability factor is also undeniable considering the amount of material normally gone to waste in the sampling stage.

Exhibition Details

Exhibition: Techtextil North America 2022
Date: Tuesday, 17th ~ Thursday, 19th May 2022
Hours: 10:00AM ~ 5:00PM (Final day: ~3:00PM)
Location: Georgia World Congress Center, Hall B
285 Andrew Young International Blvd.
Atlanta, GA 30313 USA
Tel: +1-404-223-4000
Organizer: Messe Frankfurt, Inc.
Booth No.: 2223
Registration: <https://l.feathr.co/Techtextil-North-America/Shima-Seiki-USA-Inc>

Promo Code: Enter "SHIMA22" in the "Promo or Source Code" box for complimentary access

Exhibited Technology

MACH2XS153 15L (WHOLEGARMENT® knitting machine)

SWG091N2 13G (WHOLEGARMENT® knitting machine)

SDS-ONE APEX4 (3D design system)

For more information please contact:

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