

Applications for 3D Virtual Sampling and Body-Scanning in Fashion Schools and Universities, Apparel Retailers, Brands and Manufacturers

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Abstract

For many years, Lectra, world leader in integrated technology solutions dedicated to industries using soft materials, has supported education by offering its technologies and expertise. Our partners are fashion and design schools/universities, engineering schools (particularly those related to textiles and information technology) and professional associations.

As a responsible industry leader, Lectra contributes to the development of programs preparing students for their long term careers. To date, 850 schools and universities worldwide have integrated Lectra solutions into their curricula. Modaris, the most widely-used pattern-making, grading, and 3D-prototyping solution in the world, is used for both pattern-design teaching and research programs.

At the crossroads of design and production, Modaris simulates realistic virtual samples by bringing together flat patterns, fabrics, colors, trims, logos, and virtual 3D mannequins. The solution enables better fit thanks to a combination of intelligent pattern development tools and virtual sampling. Modaris supports collaboration across internal company departments and with suppliers in the apparel industry contributing to a more efficient supply chain from concept to production.

Some of our educational partners have also combined Modaris with 3D body-scanning technology in their courses and research. This will be presented as part of our commitment to sharing experience and expertise concerning industry business matters, market analyses, organization/process management, new technologies/trends and more. These education and research case studies will be mirrored by Modaris and 3D body-scanning case studies from fashion brands, retailers and apparel manufacturers.

Keywords: fashion, design, school, university, retailer, brand, manufacturer, pattern development, pattern making, pattern design, grading, 3D prototyping, virtual samples, body scanning, 3D mannequin, garment, fit

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