

CUSTOMER STORY

RAFFAELE CARUSO S.p.A

Automation, efficiency, flexibility
and quality with VectorFashion iX2



LECTRA

We pioneer. You lead.

01

RAFFAELE CARUSO S.P.A., THE BENCHMARK FOR LUXURY BRANDS.

Raffaele Caruso S.p.A. is a company specializing in high-end menswear that, for more than 60 years, has been synonymous with Italian know-how and excellence, as well as setting the **benchmark for luxury brands in men's formal wear**.

While keeping up with trends and the changing seasons, its Caruso brand smoothly and stylishly challenges evolving aesthetic codes, delivering playful elegance for anyone wishing to express their personality effortlessly.

Jackets are Caruso's key product, the most versatile and distinguishing piece in a man's wardrobe, making him feel sure of himself and at ease in any situation. **The company's credo can be summed up in two words: fully canvassed**, with a significant dose of **tailor-made**.



02

THE CHALLENGE:
MONITORING
PRODUCTION

Raffaele Caruso S.p.A. realized that it needed to reorganize the production of its collections with the aim of making **small batches and monitoring the production process**, using a continual improvement approach.

In a scenario of diminishing opportunities for economies of scale, makers require more flexibility but simultaneously need to control the costs of producing incoming orders. The current fashion market requires production to be agile so that it can produce more frequent collections containing varying numbers of garments: **lower production volumes** together with an **increase in the number of orders to fulfill** and **materials to cut**.

Like all major players in the fashion world, Raffaele Caruso S.p.A is increasingly **concerned** about the **environmental impact** of its activities and is therefore seeking to address this with solutions that apply eco-design principles.

Within the company, the design and production process had already been digitalized using Lectra solutions. The cutting room in particular was already highly automated, highly organized and efficient, with cutting machines for various thicknesses, but a further technology upgrade was necessary.

"The VectorFashion iX2 solution is the perfect response to our principal needs. Our garments have many notches of different lengths and shapes, and this is where the new iX2 solution comes into its own: the more notches there are, the more the machine stands out in terms of speed."

Giuseppe Cavalli

Cutting Room Manager, Raffaele Caruso S.p.A.

03

LECTRA'S
RESPONSE

By putting the VectorFashion iX2 solution into an environment already geared towards automation, it was possible to further increase production efficiency, flexibility and quality. This fabric cutter can quickly and easily transition from small runs to large volumes. The solution can cut thicknesses of up to 2.5 cm under vacuum and with zero gap between pieces, easily handling different fabric types and complex models while maintaining perfect cut quality. It **also helps to speed up production cycles, increase garment quality**, improve environmental sustainability and optimize total cost of ownership.

In particular, with a view to the transition to the more efficient and sustainable Industry 4.0, the new generation of cutters to which the VectorFashion iX2 belongs offers a greater return on investment and helps to achieve bigger margins, while its new vacuum technology delivers significant energy savings.

04

THE RESULT? A 40% REDUCTION IN ENERGY CONSUMPTION

A revised mechanical design and new electronics to meet current technological standards have increased productivity and flexibility, while the cutter's **cloud platform connection** meets monitoring needs by supplying **full cutting room data in real time**. Material cutting is continuous regardless of marker length, because of the solution's ability to cut during conveyor advances. Another technological innovation is its ability to measure spread height and to automatically adjust performance and parameters accordingly.

To do its best to meet Raffaele Caruso S.p.A.'s needs, Lectra worked closely with the company to perfect the solution, monitoring the cutting room in action for 18 months, improving some features and validating new technologies offered by Lectra's R&D.

The early results included an **increase in productivity and a reduction of around 40% in energy consumption**, as well as greater flexibility in fabric management and cut quality.

"The most interesting feedback we had was from the operators: the solution makes it easier to collect the pieces, with the assistance of the new visual system for offloading. The introduction of radar technology manages automatic slowing of the machine when the operator approaches, without causing stops, thus improving productivity and safety."

Giuseppe Cavalli

Cutting Room Manager, Raffaele Caruso S.p.A.



About Lectra:

As a major player in the fashion, automotive and furniture markets, Lectra contributes to the Industry 4.0 revolution with boldness and passion by fully integrating CSR (Corporate Social Responsibility) into its global strategy.

The Group offers industrial intelligence solutions that facilitate the digital transformation of the companies it serves.

With its software, cutting equipment, data analysis solutions and associated services, Lectra helps its customers push boundaries and unlock their potential. The Group is proud to state that its 3000 employees are driven by three core values: being open-minded thinkers, trusted partners and passionate innovators.

Founded in 1973, Lectra reported revenues of 478 million euros in 2023. The company is listed on Euronext, where it is included in the following indices: SBF 120, CAC Mid 60, CAC Mid&Small, CAC All Shares, CAC All-Tradable, CAC Technology, EN Tech Leaders and ENT PEA-PME 150.

For more information, visit lectra.com

