



ARTICLE

## HOW LECTRA HELPS INDUSTRY LEADERS SUCCEED IN THEIR QUEST FOR SUSTAINABILITY

PART 2

FACED WITH MAJOR CHALLENGES IN TERMS OF ITS CARBON FOOTPRINT, THE AUTOMOTIVE INDUSTRY NOW INCLUDES MORE SUSTAINABLE SOLUTIONS AT EACH STAGE OF THE AUTOMOTIVE VALUE CHAIN.

**Second chapter in a series of articles dedicated to the solutions developed by Lectra to help its customers tackle the challenges of sustainable development, this article details the innovative solutions offered by Lectra to automotive manufacturers.**

As consumer expectations are constantly evolving, automotive manufacturers have initiated numerous changes to meet their requirements in terms of performance, safety and environmental impact. Already committed to carbon-free mobility, automotive manufacturers are now facing new environmental challenges as they have to make car seats and interiors more sustainable.

From design to pre-production, the automotive industry is adopting more eco-friendly production processes by using digital technology. Their partners are doing the same, which has a positive impact on the environment. While Industry 4.0 helps automotive manufacturers **improve productivity while cutting on costs**, it also leads to **more sustainability** and **improves operator safety and experience**.

A pioneer in automated airbag, fabric and leather cutting, Lectra has established itself as a key Industry 4.0 partner capable of supporting players in the

automotive industry with their digital transformation while helping them achieve their objectives in terms of sustainability.

Designed to **increase the sustainability of car interiors**, Lectra's innovative solutions aim at optimizing raw material consumption, significantly reducing waste, improving energy efficiency and simplifying complex tasks for operators.

→ More



LECTRA

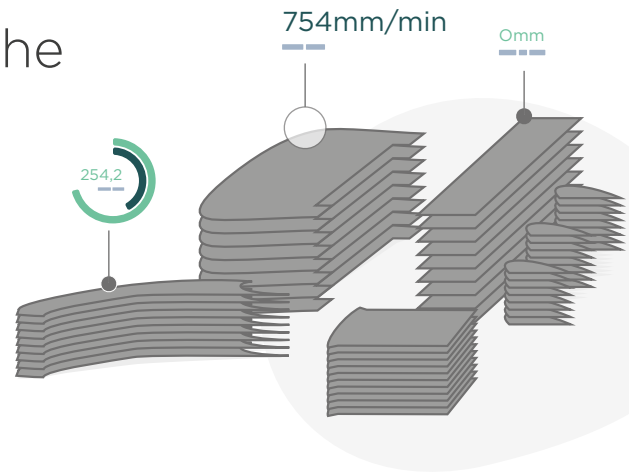
# Lectra's solutions for a more sustainable cutting room in the automotive industry

## #1

### Dramatically reduce material consumption

With solutions designed to optimize the mass production of car seats and interiors and reduce material consumption, Lectra is revolutionizing the automotive cutting room. Equipped with advanced cutting technology that significantly improves efficiency while reducing waste and its environmental impact, VectorAutomotive iP6 and iP9 cutting machines offer the highest productivity level on the market. Specifically designed for zero buffer cutting, this solution allows automotive equipment manufacturers to make major material savings by eliminating errors and improving the quality of the cut parts. "With our Vector iP fabric cutting solution, a tier 1 automotive subcontractor can **reduce their material consumption by 4.35%**. This represents savings of \$214,000 and 50.6 tonnes of CO<sub>2</sub> emissions avoided."

A unique solution designed for Industry 4.0, our Automotive Cutting Room 4.0 makes it possible to **connect and digitalize cutting room operations, thus offering new opportunities in terms of performance, productivity and material savings**. "By digitalizing the entire cutting room, the data generated is centralized and accessible in real time, thus helping our customers make the right decisions at each stage of the production process. The benefits are huge. For example, the key performance indicators provided by the first users of the solution show an increase in productivity of around 5% and a drop of almost 2% in material consumption. This is unheard of!" explains Nicolas Favreau, Automotive Marketing Strategy Manager at Lectra.



”

*The key performance indicators provided by the first users of the solution show an increase in productivity of around 5% and a drop of almost 2% in material consumption. This is unheard of!*

**NICOLAS FAVREAU**  
Product Marketing Director,  
Lectra

## #2

### Improve leather yield

Much more efficient than manual cutting processes, VersalisAutomotive is a zero buffer digital leather cutting solution, specifically designed for the automotive industry. Using powerful algorithm-driven marker making capabilities, VersalisAutomotive optimizes the use of each hide and delivers material savings of up to 7%, resulting in a more efficient production cycle and reduced waste.

Sources

→ [www.lectra.com](http://www.lectra.com)

#3

## Reduce consumables and energy consumption

Maximizing the operating time of machines helps optimize labor time and resources, as well as production time. Thanks to preventive maintenance and long-lasting consumables, the VectorAutomotive iP series allows automotive production sites to gain up to **38 hours of additional machine availability per year** and reduce downtime. Optimized equipment productivity also helps to significantly reduce material consumption and waste.

To foster more sustainable industrial practices, the R&D teams at Lectra are striving to design automotive solutions that are more energy-efficient than ever. Designed to use less energy, our Vector solution is at the forefront of technology, while offering reduced operating costs and a lower carbon footprint.

#4

## Ensure the safety of operators

Designed to improve the working conditions of users and ensure the safety of operators, Lectra's solutions integrate high-performance safety systems to prevent any risk of injury due to sharp tools and presses. Compliant with EU safety standards, VectorAutomotive iP's new motion sensor prevents operator injuries while its ergonomic design improves operation and working conditions.



Lead the way  
**in terms of CSR**  
in the automotive  
industry

A pioneer in Industry 4.0, Lectra has established itself as the key technological partner of the automotive industry with solutions designed to **optimize production and make car interiors more sustainable** by reducing waste, optimizing resource use and increasing the overall efficiency of the value chain.