PERFECTION IS IN THE DETAIL

VECTOR CUTS TO THE CORE OF OPERATIONAL EXCELLENCE. THANKS TO 30 YEARS OF EXPERIENCE AND ENDURING INNOVATION IN AUTOMATED CUTTING, LECTRA CONTINUES TO LEAD THE WAY IN UNITING TECHNOLOGICAL EXPERTISE WITH SPECIALIZED INDUSTRY NEEDS THROUGH THE NEW GENERATION OF VECTOR.

SUPPORTED BY POWERFUL SOFTWARE AND INTUITIVE CONTROLS, VECTOR DELIVERS UNPRECEDENTED UPTIME, IMPROVED SPEED, ENDURING RELIABILITY AND OPTIMIZED EFFICIENCY WITH THE REASSURANCE OF A UNIQUE SUPPORT INFRASTRUCTURE, ITS EXCEPTIONAL PERFORMANCE SECURES ITS POSITION AS THE ULTIMATE AUTOMATED CUTTING INVESTMENT FOR ALL MANUFACTURING MODELS - FROM LIMITED SERIES TO MASS PRODUCTION - TO MEET THE STRICTEST REQUIREMENTS.

FAST AND HIGH-QUALITY CUTTING
OPTIMIZED TOTAL COST OF OWNERSHIP
REDUCED WASTE AND PRODUCTION COSTS
RAPID RETURN ON INVESTMENT
ENSURED REPEATABILITY
UP TO 98% UPTIME
REAL-TIME VISIBILITY AND CONTROL

With user-friendly controls and an enhanced visibility management system, Vector delivers from every perspective. Production settings can be quickly optimized, leading to higher levels of cutting performance. Advanced integrated software allows for the automatic generation of activity reports, providing the information required to implement continuous improvement.

Intuitive control
To elevate operability, Vector adopts intuitive touch-control technology. The user is guided through the production process seamlessly, benefiting from all of Vector’s software advancements. The real-time dashboard efficiently provides full visual management of the cutting process.

Real-time alerts
By using a color-coded indicator system at the top of the chimney stack and LEDs on the cutting head, Vector automatically signals the machine status.
QUALITY AND PRECISION

Vector ensures outstanding cutting quality while maximizing production output, using specialized embedded technology and anti-error systems. Drawing on the precision of Lectra’s optimized markers, buffer zones between cuts are lowered to virtually zero – enabling material savings of up to 5%.*

Error reduction

Vector has been designed with accuracy in mind. With its built-in cutting head camera, the user can locate a precise starting point in order to save time and minimize errors.

Anti-error systems

Vector enhances quality improvement thanks to anti-error devices which can detect problems such as incorrect selected thicknesses, blade breakages and inappropriate drill diameters.

* compared with market best standards
INDUSTRY-SPECIFIC PERFORMANCE

VECTOR DELIVERS INTUITIVE INTELLIGENCE ALONGSIDE EXCEPTIONAL PERFORMANCE FOR ALL CUSTOMERS, OFFERING THE BEST SOLUTIONS FOR THE PARTICULAR NEEDS OF AUTOMOTIVE, FASHION, FURNITURE, AND COMPOSITE MATERIAL MANUFACTURERS.

VECTOR’S INDUSTRY-SPECIFIC LINES COME IN TWO PRODUCT SERIES: Q-SERIES AND I-SERIES. DEVELOPED TO MATCH ALL PERFORMANCE REQUIREMENTS AND DIFFERENT SPREAD THICKNESSES. WHILE Q-SERIES OFFERS OPTIMUM SOLUTIONS USING VECTOR TECHNOLOGY, I-SERIES GOES A STEP FURTHER BY BRINGING LEAN MANUFACTURING BEST PRACTICES INTO THE CUTTING ROOM.

Ultimate performance
For the ultimate in cutting technology, no other solution brings more to the table than Vector. With a remarkable cutting thickness of up to 9 centimeters and a vibration frequency of up to 6,000 vibrations per minute, Vector provides a revolutionary level of productivity.
INTELLIGENCE AND RELIABILITY

Vector is designed to provide the highest standards of reliability. Its unique on-board intelligence maximizes production by monitoring machine behavior, offering a real-time interface to Lectra’s call centers. As part of a smart service package, this predictive maintenance anticipates breakdowns, allowing Vector to maintain one of the best uptime in the industry - up to 98%. With Lectra’s Vector-specific service offer, Vector is not just a machine but a solution that takes the cutting room to a new level of excellence.

> Anticipate and resolve problems
Vector strives for optimal performance. Potential problems in production can be quickly and easily anticipated through remote access to Vector’s 120 embedded sensors, avoiding costly interruptions.

Lectra’s experts automatically detect when Vector is not optimally configured and advise on the system configuration that best responds to manufacturers’ cutting criteria. Remote access to maintenance schedules is available at all times, and impending actions along with deviations from the maintenance schedule are reported. Vector users also receive a monthly report summarizing their maintenance costs and the best possible return on investment, further optimizing smooth operation of the equipment.

Lectra’s experts are devoted to service excellence and work alongside manufacturers to minimize maintenance costs while ensuring smooth operation of the equipment. Direct access to maintenance schedules is available at all times, and impending actions along with deviations from the maintenance schedule are reported. Vector users also receive a monthly report summarizing their maintenance information, further optimizing smooth operation of the equipment.

> Optimize maintenance costs
Lectra’s experts are devoted to service excellence and work alongside manufacturers to minimize maintenance costs while ensuring smooth operation of the equipment. Direct access to maintenance schedules is available at all times, and impending actions along with deviations from the maintenance schedule are reported. Vector users also receive a monthly report summarizing their maintenance information, further optimizing smooth operation of the equipment.

Lectra has revolutionized cutting processes, delivering beyond manufacturers’ expectations with its unique combination of dedicated Professional Services, Smart Services, and powerful technology. In response to the existing demands of the fashion, automotive, furniture, and other industrial sectors, Lectra has developed a proven methodology for implementing cutting solutions and accelerating the learning process, thus ensuring optimum use of its systems from the very beginning.

Lectra solutions drive value creation to all industries using new and high-tech materials as well as traditional textiles and leather.

With an unrivalled combination of precision, intelligent performance and the best possible return on investment, you are provided with the creative edge required to compete in today’s manufacturing markets.

> Take the next step to optimizing your cutting room.

LECTRA’S EXPERTISE

The technological excellence embodied in Vector stems from 30 years of innovation in automated cutting. Lectra has revolutionized cutting processes, delivering beyond manufacturers’ expectations with its unique combination of dedicated Professional Services, Smart Services, and powerful technology.

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180
Consultants, solutions and sector experts

290
Customer care engineers and technicians

240
R&D engineers

5
Call centers
Bordeaux (FRANCE), Madrid (Spain), Milan (Italy), Atlanta (United States) and Shanghai (China)