

## VECTORAutomotive iP6 & iP9

VectorAutomotive iP6 & iP9 are the first solutions on the market to combine cutting equipment innovation with optimized software and specially designed consumables **to achieve 0-buffer cutting<sup>(1)</sup>** on a wide range of automotive materials.



### DESIGNCONCEPT

Virtual prototyping

### DIAMINO

Marker making/nesting

### BRIO

Fabric spreading

### VECTOR

Fabric cutting

DEVELOP

INDUSTRIALIZE

PRODUCE



### Zero-buffer cutting: how is this possible?

Through a combination of three major improvements (hardware, software and consumables):

- Advanced high-accuracy conveyor works in tandem with new image sensor technology that detects stress and adapts to cutting parameters in real time
- Built-in blade management system<sup>(1)</sup> guarantees high-precision cutting. System comprises VectorAutomotive iP6 & iP9 Pilot and an add-on feature, a powerful algorithm that manages common lines in real time for the greatest degree of accuracy possible
- Specially designed blades<sup>(1)</sup> make it possible to cut multiple layers of synthetic and foam-backed materials



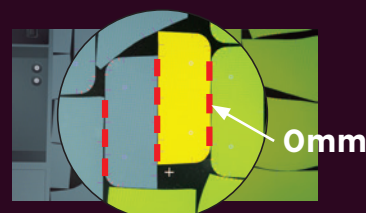
### Material savings

- **A 1mm reduction buffer, equivalent to a ~1% gain in material**, provides significant material savings amounting to several hundred thousands of dollars annually.



### Cutting at 0-buffer has been tested and approved\* for:

- 34 plies of 2mm woven foam
- 20 plies of 2mm or 3mm foam-backed vinyl
- 15 plies of 4mm of foam vinyl
- 10 plies of Alcantara
- And more



\* On VectorAutomotive iP9.

(1) Provided that equipment usage conforms to contractual requirements, including exclusive use of genuine Lectra cutting blades and sharpening bands designed specifically for this functionality. Lectra cannot be held responsible for inadequate or faulty performance due to improper equipment usage.



## Time savings enabled by new consumables and maintenance kits

- +1% compared to other Vector models
- Fewer stoppages mean more cutting time
- Elimination of the 500-hour maintenance kit
- Longer life for consumables (blades, bands, bristle blocks)

### **VECTOR** Automotive **iP6**

### **VECTOR** Automotive **iP9**

#### **EQUIPMENT**

Dynamic vacuum system	standard
4-drill tool	standard
Video-assisted spread control	standard
Blade breakage detection	standard
Drill diameter identification	standard
Barcode reader	standard
Blade cooling device (coated fabrics)	standard
Offloading device	standard
Conveyor synchronization	optional
Drill waste vacuum system	optional

#### **PERFORMANCE**

Compressed fabric height (cm)	6	9
Blade size (mm)	1.5x6.5	2x7
Cutting speed (max)	80m/min	
Maximum acceleration	8m/s <sup>2</sup>	
Vibration frequency (rpm)	6 000	
Actual cutting window length (m)	1.7	
Actual cutting window width (m)	1.8/2.2	
Average power consumption	< 15kW	

#### **SPECIFICATIONS**

Overall length (m)	4.81	
Overall width (m)	2.60/3.00	
Table height (cm)	79—90	
Noise level	< 75dB	
Installed electrical power (max)	45kW	
Weight (kg)	3840	4 320
Control panel location	Right or Left	
Safety devices	Radar	
Safety standards	Directive 2006/42/EC on machinery Directive 2014/35/EU on the market of electrical equipment designed for use within certain voltage limits Directive 2014/30/EU relating to electromagnetic compatibility UL Std. Subject 2011 Issue 2006. Certified CAN/CSA Std C22.2 #73-1953-R2013. This product is certified by ETL and labeled	
Temperature	5°—40°C	
Humidity (at 40°)	< 50%	
System compatibility	ISO 6983AAMA, RS274D, DXF, Lectra and Investronica formats	
Operating system	Windows	

#### **About Lectra**

For companies that breathe life into our wardrobes, car interiors, furniture and more, lectra is crafting the premium technologies that facilitate the digital transformation of their industry. Lectra's offer empowers brands, manufacturers and retailers, from design to production, providing them with the market respect and peace of mind they deserve. Founded in 1973, today Lectra has 32 subsidiaries across the globe, serving customers in over 100 countries. With more than 1,700 employees, Lectra reported revenues of \$333 million in 2018. Lectra is listed on Euronext (LSS). For more information, please visit [www.lectra.com](http://www.lectra.com)