

Morgan Tecnica

# NEXT 2 Δ PRO 70 *Denim*

Automatic cutter

## SPEED AND CUTTING PRECISION FROM THE FIRST TO THE LAST LAYER

**Next 2 Δ 70 Denim** is MorganTecnica's newest high-ply cutting machine specifically designed to ensure maximum reliability in terms of endurance and performance in the cutting process of hard fabrics, such as jeans. Several mechanical devices have been implemented in this machine to strengthen the head, the plate and the use of a blade with increased 3 mm thickness. Artificial Intelligence allows the best

self-handling of processes such as sharpening cycles or real time speed control. This automatic cutter is also able to self-detect any operating anomaly through its auto-diagnosis system and drastically reduce machine breaks and stops. The Next 2 Δ 70 Denim technology guarantees the highest cutting quality combined with maximum productivity, low running costs and fast ROI.

- ZERO BUFFER CUTTING
- CONTINUOUS CUTTING FUNCTION
- GESTURE ORIENTED INTERFACE



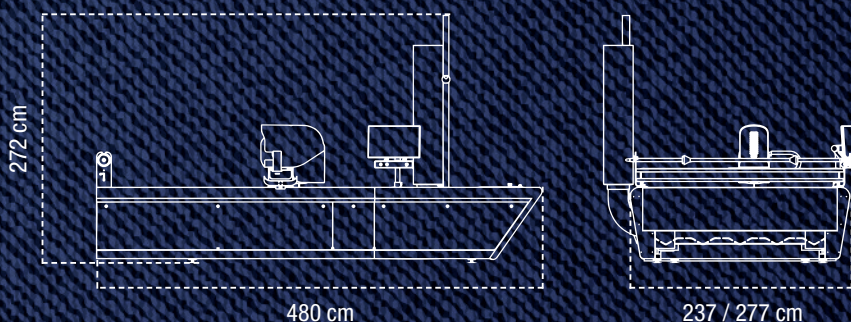
Photo for illustration purposes only





## NEXT 2 Δ

PRO 70 *Denim*



### PRODUCTIVITY

- Continuous cutting function
- Cutting perimeter smart management
- Common lines management
- Belts sharpening system
- Cutting speed self-management
- Blade pyrometer and lateral two direction stress sensor
- Automatic loading/unloading conveyor system

### CUTTING QUALITY

- Best start point automatic calculation for each pattern
- Smart cut sequence
- Automatic pattern detection and cutting direction management
- Pattern proximity detection and dynamic speed control
- Perimeter harmonization
- Blade bending active control

### CONTROL

- Marker editing
- Detailed data center
- Blower thermocouple
- Detailed statistics and graphic reports
- Intelligent anomalies auto-diagnosis system
- Advanced error tracker
- User tracking

### TECHNICAL SPECIFICATIONS

• Average power consumption	< 14 kW
• Installed electrical power	10 kW + 37 kW
• Voltage / Frequency	400 V 3Ph 50/60 Hz
• Max. blade vibration frequency	6.000 rpm
• Blowing system power	37 kW
• Environment temperature	10° - 40°C
• Humidity (at 30° without condensation)	< 95%
• Blade (thickness x length)	3 x 9,3 mm
• Compatibility	ISO cut file
• Operating system	Windows 10

### ROI AND RUNNING COSTS

- Fabric savings: zero buffer cutting
- Energy savings: digital brushless motors
- Consumable savings: long lasting conveyor bristles, blade up to 15 km cutting perimeter, sharpening belt up to 3 km cutting perimeter
- Power consumption optimization system

### USABILITY

- Innovative and user-friendly graphics interface (gesture oriented GUI)
- Guided maintenance and cleaning operations
- Ergonomic PC station
- Washable and easily removable vacuum filter

### RELIABILITY

- 1 year warranty guarantee + up to 24 months of extension warranty available as an optional\*
- Preventive maintenance
- Warning message for preventive maintenance
- 4 mm thick steel chassis structure
- Electrical axis

### PERFORMANCE

• Max. cutting thickness	7 cm compressed
• Max. cutting speed	65 m/min
• Max. cutting acceleration	8 m/s <sup>2</sup>
• Max. positioning speed	120 m/min
• Max. positioning acceleration	10 m/s <sup>2</sup>
• Effective cutting window length	170 cm
• Effective cutting window width	180 - 220 cm

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