



MorganTecnica

NEXT 2 Δ

ES 50/80

Automatic cutter

## PRODUCTIVITY AND RELIABILITY FOR MASS PRODUCTION

**Next 2 Δ ES** is MorganTecnica's high-ply cutting machine designed to ensure maximum reliability in terms of strength and performance in the fabric cutting process for mass production. Several mechanical devices have been implemented in this machine to strengthen its head. 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 ES technology guarantees the highest cutting quality combined with maximum productivity, low running costs and fast ROI.

ZERO BUFFER CUTTING

CONTINUOUS CUTTING FUNCTION

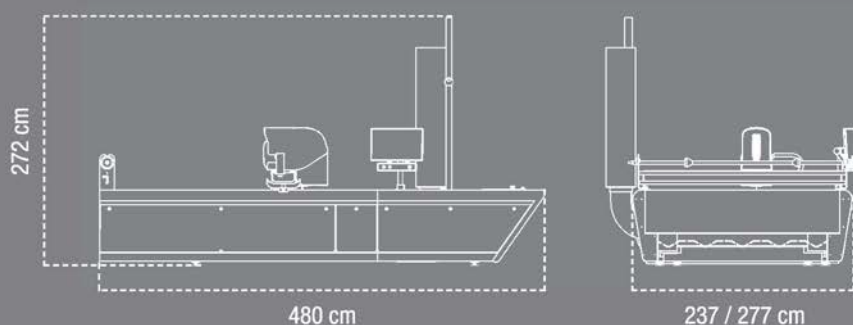
GESTURE ORIENTED INTERFACE



Photo for illustration purposes only



**NEXT 2 Δ**  
ES 50/80



#### PRODUCTIVITY

- Continuous cutting function
- Cutting perimeter smart management
- Common lines management
- Belts sharpening system
- Cutting speed self-management
- 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
- Detailed statistics and graphic reports
- Intelligent anomalies auto-diagnosis system
- Advanced error tracker
- User tracking

#### TECHNICAL SPECIFICATIONS

• Average power consumption	< 12 kW
• Installed electrical power	10 kW + 18,5 kW
• Voltage / Frequency	400 V 3Ph 50/60 Hz
• Max. blade vibration frequency	4.500 rpm
• Blowing system power	18,5 kW
• Environment temperature	10° - 40°C
• Humidity (at 30° without condensation)	< 95%
• Blade (thickness x length)	2,4 x 8,5 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	Next2Δ ES 50: 5 cm compressed Next2Δ ES 80: 8 cm compressed
• Max. cutting speed	65 m/min
• Max. cutting acceleration	6 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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