∩EXT 2 Δ
PRO 70/90

MorganTecnica

Automatic cutter

PRODUCTIVITY AND RELIABILITY FOR MASS PRODUCTION

Next 2 Δ PRO is MorganTecnica's high-ply cutting machine designed to ensure maximum reliability in terms of durability and performance in the fabric cutting process for mass production. 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 (Next 2 Δ PRO 90). 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 PRO technology guarantees the highest cutting quality combined with maximum productivity, low running costs and fast ROI.

ZERO BUFFER CUTTING

CONTINOUS CUTTING FUNCTION

GESTURE ORIENTED INTERFACE
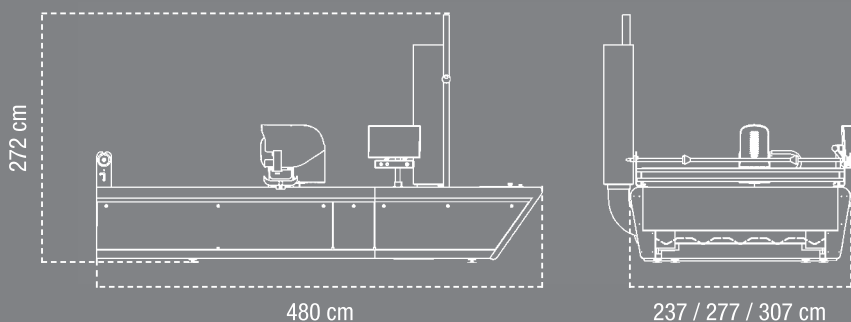
WARRANTY up to 3 Years EXTENTION PROGRAM

Photo for illustration purposes only

NEXT 2 Δ
PRO 70/90

272 cm

480 cm

237 / 277 / 307 cm

PRODUCTIVITY
- Continous 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
- Perimiter 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

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

*total machine warranty up to 36 months or 4.000 hours of automatic cycle. See program for complete details.

TECHNICAL SPECIFICATIONS

• Average power consumption	< 14 kW
• Installed electrical power	10 kW + 18,5 kW (10 kW + 37 kW in width 250)
• Voltage / Frequency	400 V 3Ph 50/60 Hz
• Max. blade vibration frequency	6.000 rpm
• Blowing system power	18,5 kW (37 kW in width 250)
• Environment temperature	10° - 40°C
• Humidity (at 30° without condensation)	< 95%
• Blade (thickness x length)	Next2Δ 70: 2,4 x 8,5 mm Next2Δ 90: 3 x 9,3 mm
• Compatibility	ISO cut file
• Operating system	Windows 10

PERFORMANCE

• Max. cutting thickness	Next2Δ 70: 7 cm compressed Next2Δ 90: 9 cm compressed
• Max. cutting speed	65 m/min
• Max. cutting acceleration	8 m/s^2
• Max. positioning speed	120 m/min
• Max. positioning acceleration	10 m/s^2
• Effective cutting window lenght	170 cm
• Effective cutting window width	Next2Δ 70: 180 - 220 - 250 cm Next2Δ 90: 180 - 220 - 250 cm

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