

REX SHARP 50/70/90



MorganTecnica

- AUTOMOTIVE
- SPECIAL APPLICATIONS



Automatic Cutter

REX SHARP 50/70/90

SHARP LINE: DESIGNED FOR THE AUTOMOTIVE SECTOR, SPECIAL APPLICATION AND AND THE HIGHEST QUALITY STANDARDS.

Maximum efficiency, maximum precision, maximum performance.
Available in 3 versions: 50-70-90.

SHARP LINE is the new **REX** range, engineered to bring your production in the automotive and technical materials sectors to new standards of precision, efficiency, and quality. Thanks to its advanced automatic cutting system, it ensures superior performance and **up to 50% lower energy consumption** compared to traditional machines.

A TRUE GAME CHANGER, DESIGNED FOR TODAY'S MARKET NEEDS:

- Overcome supply chain challenges
- Reduce logistics costs
- Lower energy costs
- Green solution compliant with new environmental regulations
- Improve overall performance

REX SHARP LINE combines compactness and modularity and is designed to be easily split into two sections. This reduces transportation costs and even allows air shipment, without compromising performance or reliability.

POSSIBLE CONFIGURATIONS:

A 2270 / **B** 1750 Standard Version

C 3084 / **D** 2256 Stretch Version

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C 3084 / **B** 1750 Stretch Version



Bosch technology



Made in Germany



Better performance



Ready for energy recovery



Better service

Rexroth
Bosch Group

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PERFORMANCE*

• Max cutting thickness:	50: 5 cm compressed 70: 7 cm compressed 90: 9 cm compressed
• Max cutting speed:	up to 65 m/min
• Max cutting acceleration:	up to 8 m/s ²
• Max positioning speed:	up to 120 m/min
• Max positioning acceleration:	up to 10 m/s ²
• Effective cutting window length:	up to 131 cm Standard Version up to 211 cm Versione Stretch
• Effective cutting window width:	180 – 220 cm

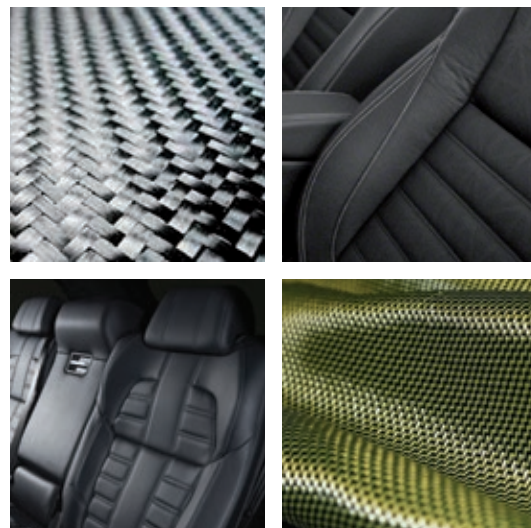


TECHNICAL SPECIFICATIONS*

• Average energy consumption:	5,2 kW/h**
• Installed electrical power:	Ultra Vacuum
• Voltage / Frequency:	400 V 3Ph 50/60 Hz
• Max blade vibration frequency:	6.000 rpm
• Ambient temperature:	10°- 40°C
• Humidity (at 30°C, no condensation):	< 95%
• Blade (thickness x length):	50: 2 x 7 mm 70/90: 2,4 x 8,5 mm
• Compatibility:	file ISO cut
• Operating system:	Windows IOT 2019

* Values may change due to continuous product improvement and adaptation to production requirements.

** Average field data based on multiple measurement campaigns on machines in operation, tested on different materials. Machine operating efficiency assumed at 100%.



PERFORMANCE & FEATURES

SPIN POWER

This type of machine requires suction, generating an airflow that is expelled upward through a chimney, inside which a small horizontal-axis wind turbine is installed. The turbine recovers part of the energy from the airflow and makes it available for other uses within the machine.

ERS – ENERGY RECOVERY SYSTEM

Bosch Rexroth drives enable the creation of a hybrid system: whenever the motors slow down, excess energy is recovered and fed back into the system. Thanks to Smart Energy Mode, consumption peaks are reduced, ensuring outstanding energy efficiency.

ADB – ACTIVE DATABASE MORGAN

Automatic cutting systems manage hundreds of different shapes, some requiring special attention.

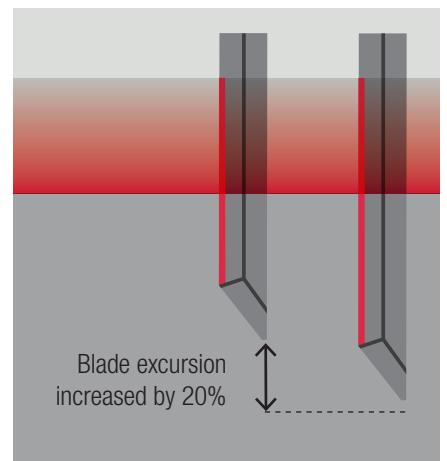
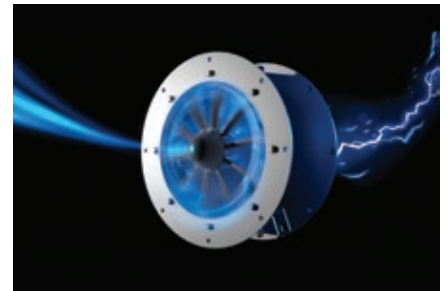
When the operator identifies a complex geometry, it can be added to the Morgan ADB with a single click and assigned the appropriate corrective attributes. Users can create a local database or securely share it with other subscribed operators, continuously improving quality and productivity.

CUTTING HEAD IMPROVEMENTS

- Blade stroke increased by 20%
- Smart blade
- Sharpening device with more powerful brushless motor
- Blade peripheral speed increased by 20%
- Redesigned sharpening spring system
- Fewer cables (simpler assembly and maintenance)
- New covers (new design, reduced vibration)

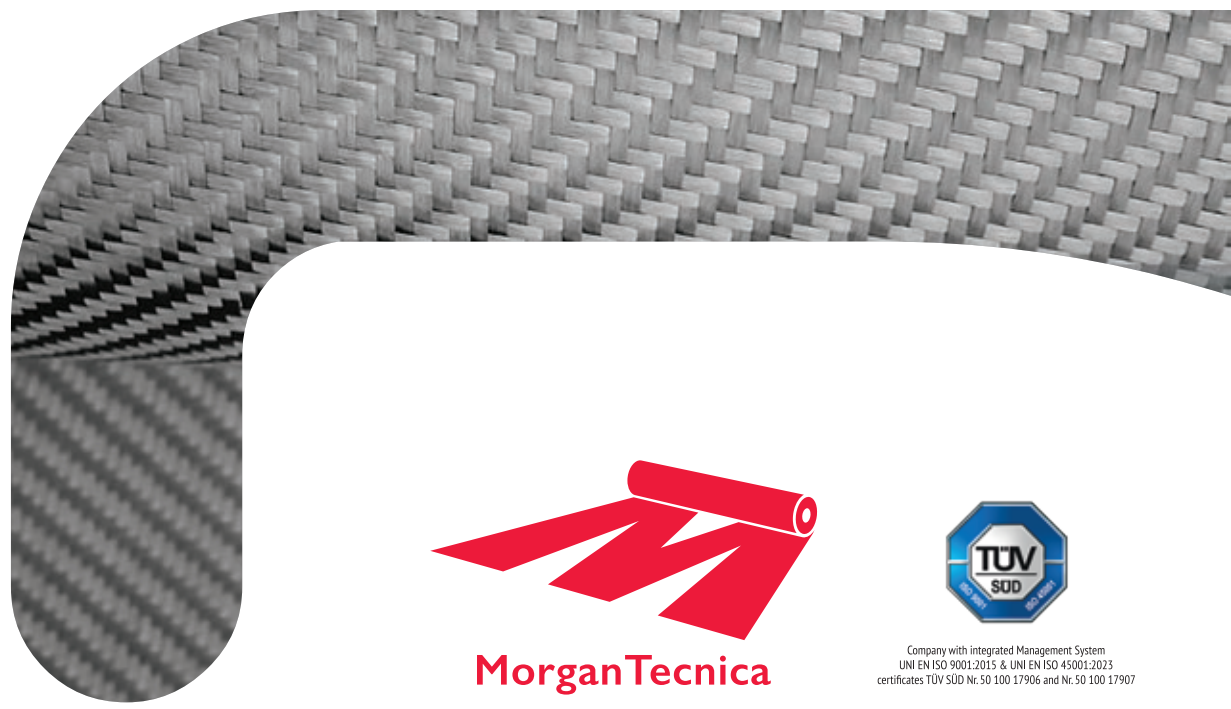
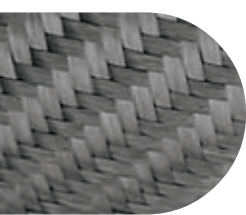
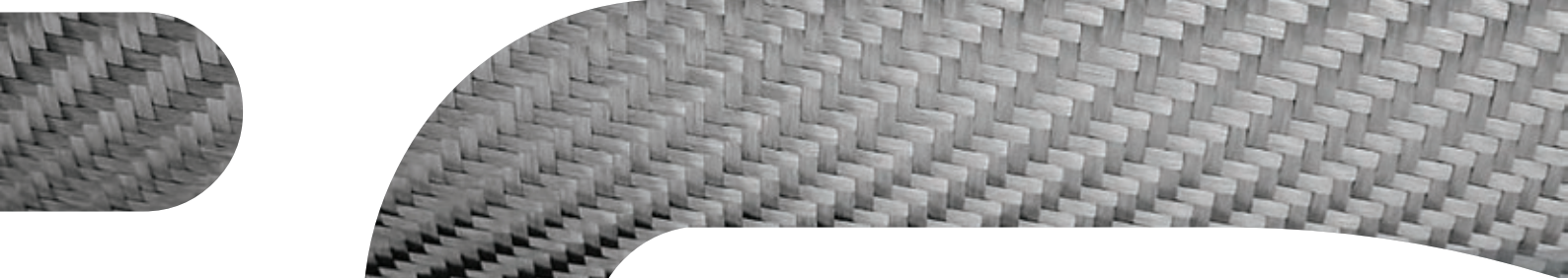
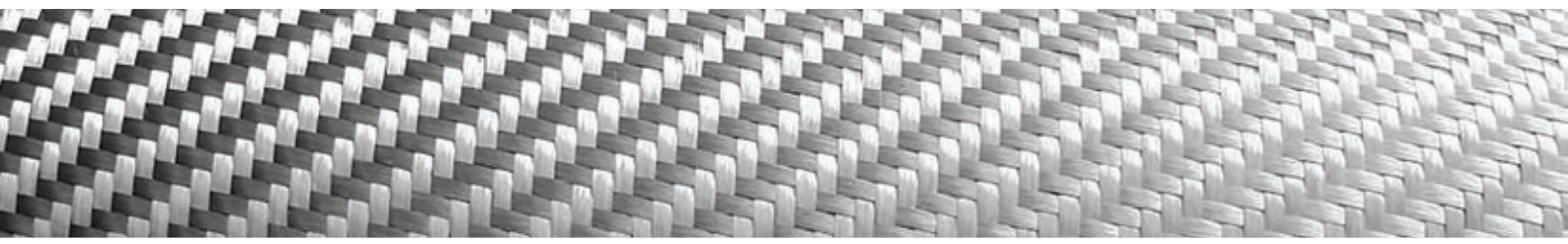
VACUUM SYSTEM IMPROVEMENTS

- More compact vacuum chamber
- Rexroth vacuum inverter with 3x higher performance
- New RBX 250 vacuum pump: +30% performance (vacuum and airflow)
- Lower noise levels
- Energy consumption reduced by 20% to 40%



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Morgan Tecnica



Company with integrated Management System
UNI EN ISO 9001:2015 & UNI EN ISO 45001:2023
certificates TUV SUD N. 50 100 17906 and N. 50 100 17907

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