

REX 50/70/90



Morgan Tecnica



Automatic Cutter

ADVANCED SOLUTIONS FOR THE CUTTING ROOM

Designed to deliver superior performance, excellent quality, and **reduced energy consumption** 

The result of years of experience, **REX** sets a new industry standard: an innovative solution capable of increasing productivity, efficiency, and sustainability, achieving up to **50% energy savings** compared to traditional technologies.

A TRUE GAME CHANGER, DESIGNED TO MEET TODAY'S MARKET DEMANDS:

- Overcome supply chain challenges
- Reduce logistics costs
- Cut energy costs
- Green solution compliant with the new environmental regulations
- Boost overall performance

REX has been designed to be easily divided into two parts. This has reduced transport handling costs and has also opened the doors to shipment by air. The new product is more compact compared to previous versions.

POSSIBLE COMBINATION:

- A** 2270 / **B** 1750 Standard
- C** 3084 / **D** 2256 Stretch version
- A** 2270 / **D** 2256 Stretch version
- C** 3084 / **B** 1750 Stretch version



Bosch technology



Made in Germany



Better performance



Ready for energy recovery



Better service

Rexroth
Bosch Group

PERFORMANCE*

• Max. cutting thickness:	PRO 50: 5 cm compressed PRO 70: 7 cm compressed PRO 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 Stretch version
• Effective cutting window width:	180 – 220 cm



TECHNICAL SPECIFICATIONS*

• Average power consumption:	5,2 kW/h**
• Installed electrical power:	10 kW + 22 kW
• Voltage / Frequency:	400 V 3Ph 50/60 Hz
• Max. blade vibration frequency:	6.000 rpm
• Environment temperature:	10°- 40°C
• Humidity (at 30° without condensation):	< 95%
• Blade (thickness x length):	PRO 50/70: 2,4 x 8,5 mm PRO 90: 3 x 9,3 mm
• Compatibility:	ISO cut file
• Operating system:	Windows IOT 2019

*Please note that the values indicated may change, for continuous improvement and adaptation to production needs.

**Average data measured in the field based on multiple measurement campaigns on machines in operation. Measurements carried out on different materials. Machine operating efficiency equal to 100%.



PERFORMANCE & FEATURES

SPIN POWER

As this type of machine need to aspirate, it creates an airflow that is expelled upward through a chimney inside of which we have positioned a small horizontalaxis wind turbine. This turbine allows the extraction of some of the energy from the airflow discharged by the machine, and then makes it available for various other purposes within the machine.

ERS

The drives supplied by Bosch Rexroth have allowed us to create a "hybrid" product, whereby every time the motors slow down the waste energy is recovered and put back into circulation. This possibility is provided by a feature called Smart Energy Mode, which is capable of reducing consumption peaks, thereby satisfying the need to equip the machine with strong energy efficiency.

ADB / ACTIVE DATABASE MORGAN

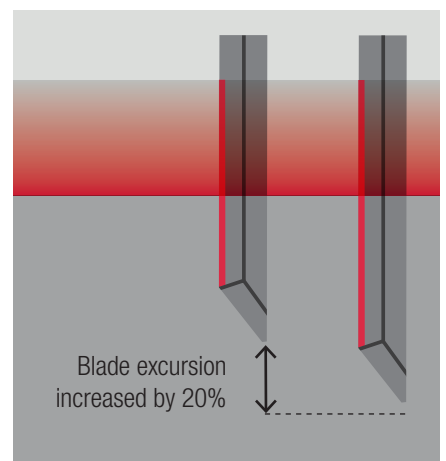
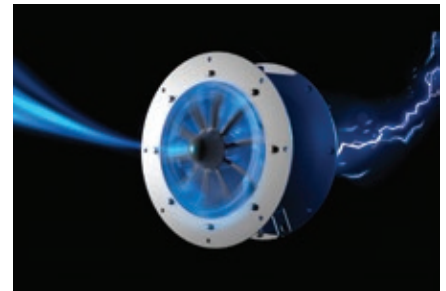
Automatic cutting systems must handle hundreds of different shapes-some of which require special attention. Since no algorithm can reliably predict every problematic geometry, MorganTecnica has embraced a collaborative approach. Whenever the operator identifies a complex shape, they can add it to the Morgan ADB with a single click and apply the appropriate corrective attributes. Users can create their own local database or securely share it with other subscribed operators, contributing to a continuously evolving system that enhances both quality and productivity.

CUTTING HEAD IMPROVEMENTS

- Blade excursion increased by 20%
- Smart Blade
- Sharpening device equipped with more powerful brushless motor
- Peripheral speed of the blade increased to 20%
- Sharpening spring system redesigned
- Fewer cables (easier to assemble and maintain)
- New covers (new design - less shaking).

VACUUM IMPROVEMENTS

- Smaller depression chamber
- Rexroth vacuum inverter 3 times higher performance
- New vacuum pump rbx 250 - 30% higher performances (both air vacuum and air flow)
- Less noise
- Between 20% to 40% less power consumption.





DISCOVER REX







JANUARY 2026



MorganTecnica



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

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