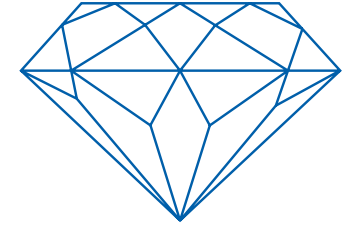


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**MONTANA**<sup>®</sup>  
CRYSTAL GLIDE FINISH



CRYSTAL ROCK MAX



**MONTANA**

 20 / h Single load  
35 / h Triple load

# CRYSTAL ROCK

## ALL-ROUND ROBOT FOR SMALL AND MEDIUM-SIZED SHOPS

The wide grinding stone makes the CRYSTAL ROCK the optimal system for small and medium-sized shops. Also ideal as it can be used for both skis and snowboards.

The new GRIPtech system for the side edge provides a leap in quality in ski and snowboard service: creating a precise, sharp, and durable RACE EDGE quality edge.

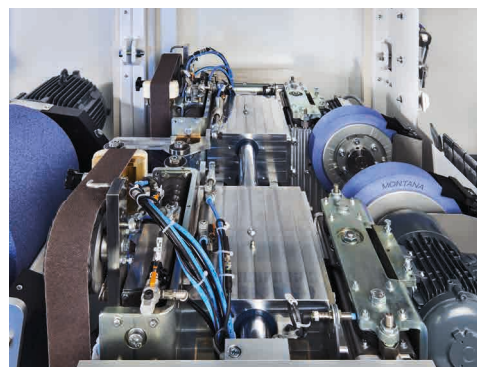
Together with radial tuning it delivers an edge with unique properties.

### ADVANTAGES

- PowerVac high performance multi-vacuum system
- Automatic pre- and finish stone grinding with pressure curve for 1 pair of skis or 1 snowboard
- Racing ski mode with speed curve meets world cup standard
- GRIPtech system for double-sided edge grinding
- Stepless side edge
- Two-sided High Tech Tuning (HTT) of edges
- Radial Tuning
- Integrated remote servicing module
- Ready for „Montana Digital World“

### OPTION

- Compressor with drying system
- Oil mist suction system
- Belt filter system
- Automatic cooler
- Speed version
- Automatic loading incl. Speed version



## BASE GRINDING

- Grinding of all ski models, snowblades and cross-country skis with all bindings
- Computer-controlled grinding programs with direct online access for individually adapting the most important parameters to each ski
- Electronically controlled force curve for precisely defined grinding pressure over the grinding point
- Reproducible grinding results thanks to a fully automatic rpm adaption calculated on the diameter of the disc.
- Vario structures



## GRINDING SIDE EDGES WITH GRIPTECH

- Side edges with GRIPtech system for a precise, sharp, and durable edge.
- Easy 87°– 89° edge angle adjustment in 0.5° steps
- Programmable aggregate closing time
- Electronically controlled pressure curves ensure precision aggregate contact with the ski/snowboard.
- Vertical grinding provides a particularly beneficial sharpness and edge shape (microstructure).

## RADIAL TUNING

- High-Tech-Tuning (HTT) ensures a finely polished edge with a minimal tuning angle for best gliding and turning capabilities for skis and snowboards
- Electronically controlled cutting speed
- Programmable pressure curve for defined pressure at the pressure point

## MANUAL LOADING

- Interactive 15" colour touch screen
- Automatic centering system
- PowerVac vacuum system operates independently from binding plates

## OPTION: SPEED VERSION

- Side edge processing and tuning in one operation



### OPTION: AUTOMATIC LOADING

- Automatic loading and unloading with magazine for 3 pairs of skis with binding incl. Speed version

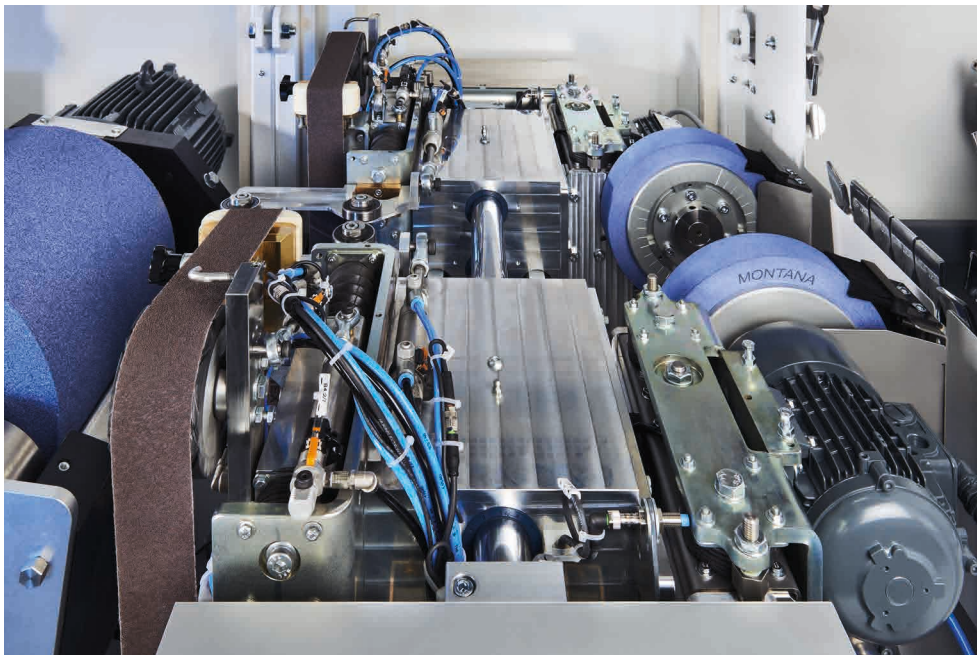


# GRIPTECH SYSTEM

## THE REVOLUTION FOR SIDE EDGES

The new MONTANA GRIPtech system grinds in a vertical direction. For a precise, sharp, and durable edge. All functional areas of the sports equipment are gently ground to RACE EDGE quality from start to finish, without grooves.

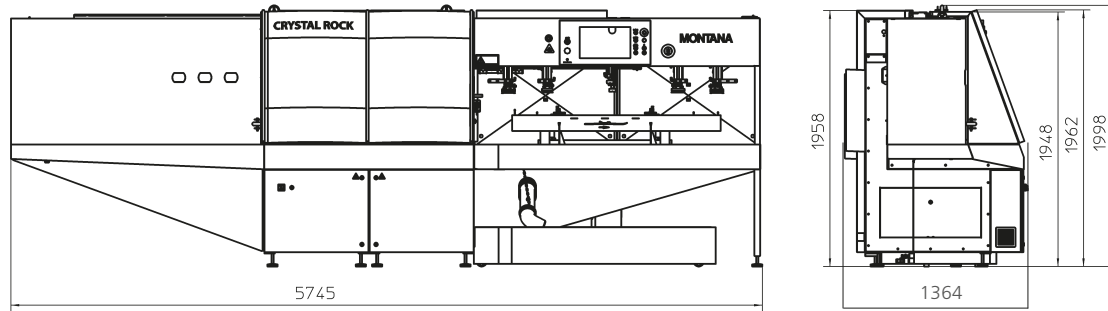
**Detailed description  
page 10**



TECHNICAL DATA	CRYSTAL ROCK
Product variations:	manual loading, without waxing*
Rated power:	max. 11 kW
Voltage:	3 x 400 volt / 50/60 Hz, special voltage via trafo
Fuses:	3 x 16 A
Coolant tank volume:	250 liters
Stone width:	320 to 340 mm
Stone speed:	300 to 1.900 u/min
Cutting speed:	6 to 32 m/s
Feed:	5 to 30 m/min
Compressed air:	min. 6 bar, 600 l/min
Total weight:	2.240 kg incl. coolant mixture
* Options:	automatic loading without waxing unit Speed version; Side edge processing and tuning in one operation

**MONTANA**

## DIMENSIONS CRYSTAL ROCK MANUAL LOADING



## DIMENSIONS CRYSTAL ROCK AUTOMATIC LOADING

