

Ski Grinding Center RSF 2000

MACHINE DESCRIPTION

With this machine you can grind a ski, ready for skiing, with only one clamping operation.

The stone pre-grinding followed by stone finish-grinding results in a flat, fibre-free, structured surface.

Both side edges are ground in one operation with grinding platens. The exact edge geometry is infinitely adjustable from 0 to 3 degrees. This operation is carried out with high-performance abrasive belts or with diamond belts.

The base edges are polished with the steel edge finishing head. Special polishing wheels with a tough and hard bond tune the ski over its entire length without radiusing the edges.

In contrast to disc polishing our method using wheels also polishes the tip and the tail of the ski. Our polishing wheels do not produce any cross scratches. The mirror finish we achieve facilitates skiing turns and improves edge stability.

With the optional use of the Scotchbrite head the aggressiveness of the ski can be reduced and at the same time the base surface can be smoothed.

The ski jig positions and clamps the ski securely and independent of the ski surface. Binding adaptors are not necessary. Ski lengths can be adjusted fast and individually. The working area is protected by light barriers.



DESCRIPTION OF CONTROLS

A touch panel facilitates machine operation. The user friendly machine controls support the automatic work cycle of the grinding operation. All surface structures, i.e. base, longitudinal, cross, cube and chevron structures are stored and can be recalled. Grinding pressures are variable over the entire length of the ski.

Individual grinding cycles are easy to programme and can be stored. An automatic speed adjustment for wheel diameter reduction due to wear guarantees repeatable grinding results. The number of grinding strokes can be selected. Inadmissible operation conditions are shown on the touch panel in plain language.

TECHNICAL DATA RSF 2000

Control

Siemens SPS Series S7

Operation unit	Touch panel with screen
Grinding stones	2 x ø 300 x 150 mm
Tuning wheels	300 x 55 x 140 mm
Grinding belt side edge	20 x 1200 mm
Polishing scotch belt	140 x 1200 mm
Air connection	6 bar
Coolant tank	approx. 200 liters
Space needed approx.	6,3 qm
Dimensions (L x W x H) approx	5600 x 1100 x 1800 mm
Connecting power	13 kW
Connecting voltage	400 V, 50 cs., 3 PH/N/PE