



Base grinding

# Omega

**WINTERSTEIGER**  
Thinking about tomorrow.



# Omega Flexibility meets precision

The base grinding machines in the Omega series combine proven technology with innovative features for perfect results on skis, snowboards, and cross-country skis every time. Whether you're just starting out or a racing pro, WINTERSTEIGER has the right solution for your ski service business.

Thanks to modular equipment packages, each machine can be individually adapted to your requirements, so you can deliver the most efficient, reliable, and high-quality ski service.

# The Omega series

## Your requirements, our solution: Omega

The Omega family has the right configuration for every application, whether in smaller, purely manual service workshops or as an additional machine in larger centers with automated pregrinding and snowboard processing systems. From simple, compact service machines to racing solutions, the series delivers tailor-made quality to precisely fulfill your individual needs.

Stone/belt grinding machine

### Omega SBI



- Alpine, cross-country, snowboards
- Two machines in one (belt and stone)
- Space-saving combi machine
- Can be placed against a wall
- Ideal for small workshops
- Easy to switch from grinding stone to belt
- SEG add-on module for grinding side edges or preparing side walls
- Touchscreen display with "Easy Go"

Stone grinding machine

### Omega S 150



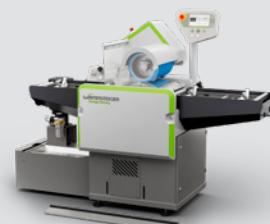
- Alpine, cross-country
- Stone width 150 mm
- Professional stone grinding at an entry-level price
- Assisted feed lift for easy handling
- Touchscreen display with "Easy Go" quick selection buttons

Stone grinding machine

### Omega RS 150



- Same features as Omega S 150
- Alpine racing, cross-country
- Height-adjustable feeding and exit trays
- Electronically controlled feed lift (no effort required)
- Advanced structure options
- Stone cover for a clean & dry working environment
- Pneumatic contact pressure control
- High-performance pump for improved stone cleaning
- Centering units for applying centered structures
- Grinding force infinitely adjustable on the panel

Stone grinding machine	Stone grinding machine	Belt grinding machine	Belt grinding machine
<p><b>Omega S 350</b></p>  <ul style="list-style-type: none"> <li>• Alpine, cross-country, snowboards</li> <li>• Stone width 350 mm</li> <li>• Two different structures possible over the stone width (e.g., for rough and fine grinding)</li> <li>• Optimum application of pressure thanks to three-part feed</li> <li>• Touchscreen display with "Easy Go" quick selection buttons</li> </ul>	<p><b>Omega RS 350</b></p>  <ul style="list-style-type: none"> <li>• Same features as Omega S 350</li> <li>• Alpine racing, cross-country, snowboards</li> <li>• Height-adjustable feeding and exit trays</li> <li>• Electronically controlled feed lift (no effort required)</li> <li>• Advanced structure options</li> <li>• Stone cover for a clean &amp; dry working environment</li> <li>• Pneumatic contact pressure control</li> <li>• High-performance pump for improved stone cleaning</li> <li>• Centering units for applying centered structures</li> <li>• Grinding force infinitely adjustable on the panel</li> </ul>	<p><b>Omega B without feed</b></p>  <ul style="list-style-type: none"> <li>• For pregrinding (derusting, tip, etc.)</li> <li>• Optional SEG module for side edge and side wall preparation</li> <li>• Variety of belts available (pregrinding, tuning, cold waxing, deburring, polishing)</li> <li>• Self-centering idler wheel for guaranteed optimum belt tracking without readjustment</li> <li>• Four different contact wheels with varying hardnesses can be selected</li> </ul>	<p><b>Omega B with feed</b></p>  <ul style="list-style-type: none"> <li>• Same features as Omega B without feed</li> <li>• Processing over the entire length</li> <li>• Assisted feed lift for easy handling</li> <li>• Infinitely adjustable feed speed</li> <li>• Optimum application of pressure thanks to three-part feed</li> </ul>
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# Inline stone/belt grinding machine for skis, snowboards, and cross-country skis

The compact Omega SBI combines the full range of services of a professional machine for both belt sanding and stone grinding. Save precious space by placing the machine right next to a wall. The Omega SBI packs a punch in terms of performance and operator convenience. For example, you can save custom grinding programs for the grinding stone and belt modules on the operating panel with touchscreen display and use the three „Easy Go“ quick selection buttons to quickly access your three favorite programs.



## Advantages:

- Stone grinding and belt sanding in a single machine
- Rugged, space-saving design
- Touchscreen display with „Easy Go“ quick selection buttons
- Easy to operate
- Assisted feed lift for easy handling
- Operation without pneumatics (no compressed air required)
- Slanted design for easy cleaning
- Filter system with single filter sock
- Three-part feed roller system

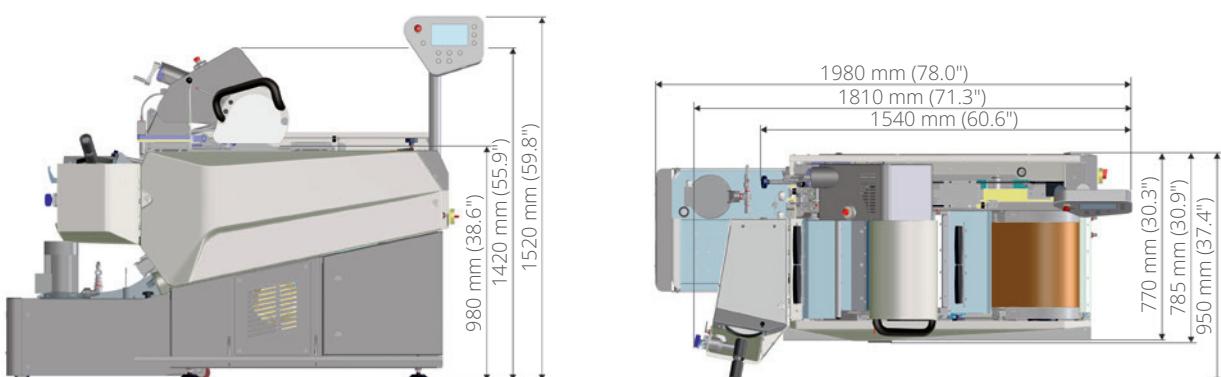
# Technical data

	<b>Omega SBI with side edge grinding aggregate</b>	<b>Omega SBI without side edge grinding aggregate</b>
Grinding stone	Ø 300 x 350 mm	
Stone rpm min. – max.	300 – 1300 rpm	
Min. – max. dressing speed	3 – 25 mm/s	
Min. – max. feed speed	5 – 18 m/min	
Min. – max. feed contact pressure	140 – 450 N	
Abrasive belt	350 x 1600 mm	
Weight	678 kg	643 kg
Water tank volume	80 liters	
Noise emission (Lp)	81 dB (A)	
<b>Supply voltage</b>	3/N AC 400 – 415 V, 50 Hz	
Belt rpm	540/1080 rpm	
Connected load	4,9 kW	4,4 kW
Rated current	11,2 A	10,1 A
Min./max. fuse protection	16 – 20 A	
<b>Supply voltage</b>	3 AC 208 – 230 V, 60 Hz	
Belt rpm	660/1290 rpm	
Connected load	5,5 kW	5,0 kW
Rated current	18,7 A	16,7 A
Min./max. fuse protection	20 A	
<b>Supply voltage</b>	1 AC 208 – 230 V, 60 Hz	
Belt rpm	250 – 1250 rpm, infinitely adjustable	
Connected load	4,3 kW	
Rated current	15,2 A	
Min./max. fuse protection	20 – 25 A	

## Side edge grinding aggregate (optional)

Side edge grinding belt 20 x 1200 mm

We reserve the right to make technical modifications.



Omega S 150

# Stone grinding machine for alpine and cross-country skis

As a basic machine for entry-level stone grinding, the Omega S 150 boasts a compact design and optimum ergonomics. Being able to use each half of the stone for a different structure opens up new possibilities – especially for fine structures, like those required on cross-country skis. The advantage here is that a narrow grinding stone allows finer diamonds to be used, making the structure more precise.



## Advantages:

- Professional stone grinding at an entry-level price
- Ergonomic, rugged, and compact design
- Touchscreen display with „Easy Go“ quick selection buttons
- Easy to operate
- Assisted feed lift for easy handling
- Can be optimally configured for cross-country skis

## Omega RS 150

# Racing stone grinding machine for skis and cross-country skis

The Omega RS 150 allows you to set your sights on the race grinding master class. The stone width of 150 mm (which has proven its racing credentials with flying colors), the pneumatic contact pressure control, and the drive shaft mounted directly on the motor guarantee high-precision grinding results.



## Advantages:

- Ergonomic, rugged, and compact design
- Touchscreen display with „Easy Go“ quick selection buttons
- Easy to operate
- Electronically controlled feed lift (no effort required)
- Can be optimally configured for cross-country skis
- Customizable to suit your individual needs
- Structure depth can be even more finely tuned, plus diamond feed on both sides
- Create centered structures with the integrated centering units
- Height-adjustable centering and support rollers

# Stone grinding machine for skis, snowboards, and cross-country skis

Besides the typical benefits of the Omega model range, a special feature of these models is the grinding stone width of 350 mm. You won't just be grinding snowboards, thanks to the split grinding stone, you'll be doing so at great speed, because different structures can be set on each half of the stone. The best part is that you can carry out pregrinding on one half of the stone and then follow up immediately with fine grinding on the other half. In addition to this great efficiency booster, the machine's memory slots give you the flexibility to store up to 100 structures.



## Advantages:

- Touchscreen display with „Easy Go“ quick selection buttons
- Ergonomic and rugged machine
- Two different structures on one grinding stone
- Professional stone grinding at an entry-level price
- Easy to operate
- Assisted feed lift for easy handling
- Three-part feed roller system

Omega RS 350

# Racing stone grinding machine for skis, snowboards, and cross-country skis

Racing specialists are guaranteed highly precise grinding results with the Omega RS 350 thanks to its pneumatic contact pressure control and drive shaft mounted directly on the motor. The centering units and height-adjustable feeding and exit trays make light work of applying centered structures.



## Advantages:

- Ergonomic, rugged, and compact design
- Touchscreen display with „Easy Go“ quick selection buttons
- Easy to operate
- Electronically controlled feed lift (no effort required)
- Customizable to suit your individual needs
- Structure depth can be even more finely tuned, plus diamond feed on both sides
- Create centered structures with the integrated centering units
- Height-adjustable centering and support rollers

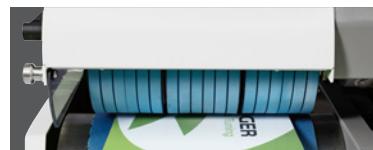
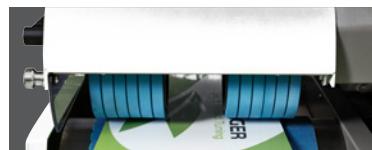
# Technical data

	Omega S 150	Omega RS 150	Omega S 350	Omega RS 350
Grinding stone	Ø 350 x 150 mm			Ø 300 x 350 mm
Stone rpm min. – max.	250 – 1300 rpm			300 – 1300 rpm
Min. – max. dressing speed	3 – 25 mm/s	3 – 35 mm/s	3 – 25 mm/s	3 – 35 mm/s
Min. – max. feed speed	5 – 18 m/min			5 – 18 m/min
Min. – max. feed contact pressure	140 – 450 N	50 – 500 N	140 – 450 N	50 – 500 N
Weight	375 kg	452 kg	406 kg	487 kg
Water tank volume	80 liters			80 liters
Noise emission (Lp)	78,8 dB (A)			81,2 dB(A)
<b>Supply voltage</b>	3/N AC 400 – 415 V, 50 Hz			3/N AC 400 – 415 V, 50 Hz
Connected load	3,2 kW	3,7 kW	3,6 kW	4,1 kW
Rated current	9,8 A	10,8 A	10,1 A	11,2 A
Min./max. fuse protection	16 – 20 A			16 – 20 A
<b>Supply voltage</b>	3 AC 208 – 230 V, 50/60 Hz			3 AC 208 – 230 V, 50/60 Hz
Connected load	3,2/3,8 kW	3,7/3,7 kW	3,6/4,2 kW	4,1/4,1 kW
Rated current	15,5/15,6 A	17,0/17,2 A	16,1/16,2 A	17,9/17,9 A
Fuse protection	20 A			20 A
<b>Compressor (not included)</b>				
Liter capacity	-	Min. 50 l/min at 7 bar	-	Min. 50 l/min at 7 bar

We reserve the right to make technical modifications.

## Adjustable pressure application with 350 mm feeds

The three wheels on the split feed system for wide feeds distribute the pressure across skis, snowboards, or cross-country skis in a way that ensures an optimum and uniform base structure – even on convex or concave snowboards. Thanks to the quick-change system, the positioning can be changed within a matter of seconds.



## SEG side edge grinding unit

This optional unit for the Omega SBI and Omega B guarantees accurate and consistent grinding results right from the start. The desired grinding angle of between 86° and 90° can also be set quickly and easily, while the inclined support roller is extremely ergonomic.



# The Racing Plus package consists of the following individual packages\*.

## The ultimate solution for racing experts

### Structure package

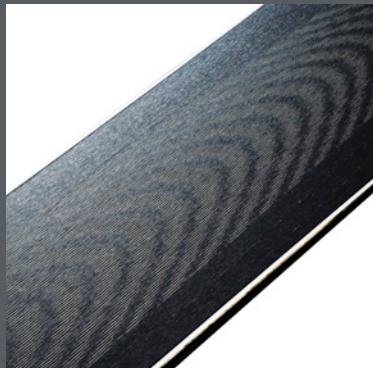
A range of structures at the touch of a button: The Structure package gives you access to a variety of base structures, ranging from classic to complex. The integrated high-performance dressing unit and optimized centering improve handling and ensure precise results.

### Feed package

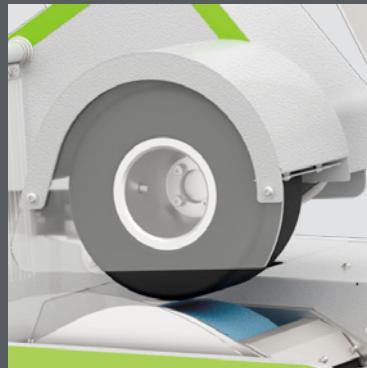
Pressure that lasts. The Feed package comes with an adaptable pressure curve thanks to pneumatic pressure control and different feed rollers to suit every application. Ergonomic control pedals and the proven racing feed guarantee consistent results, even on challenging ski and snowboard models.

### Spray and Filter package

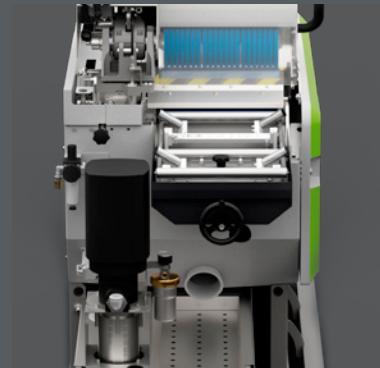
Cleanliness and efficiency combined. With its automatically controlled water valves, a powerful pump, and an optional fine filter, this package ensures stone cleaning and water quality at the highest level, making it perfect for everyday use in racing service centers.



Even more structure options including centered structures



Proven racing feed



Guaranteed high spraying pressure for discerning racing specialists

\*You can also configure your own packages

## Centering unit\*\*

Precision is everything. With the centering unit, you can easily produce precisely centered and reproducible symmetrical and special structures, such as arrow or wave patterns.

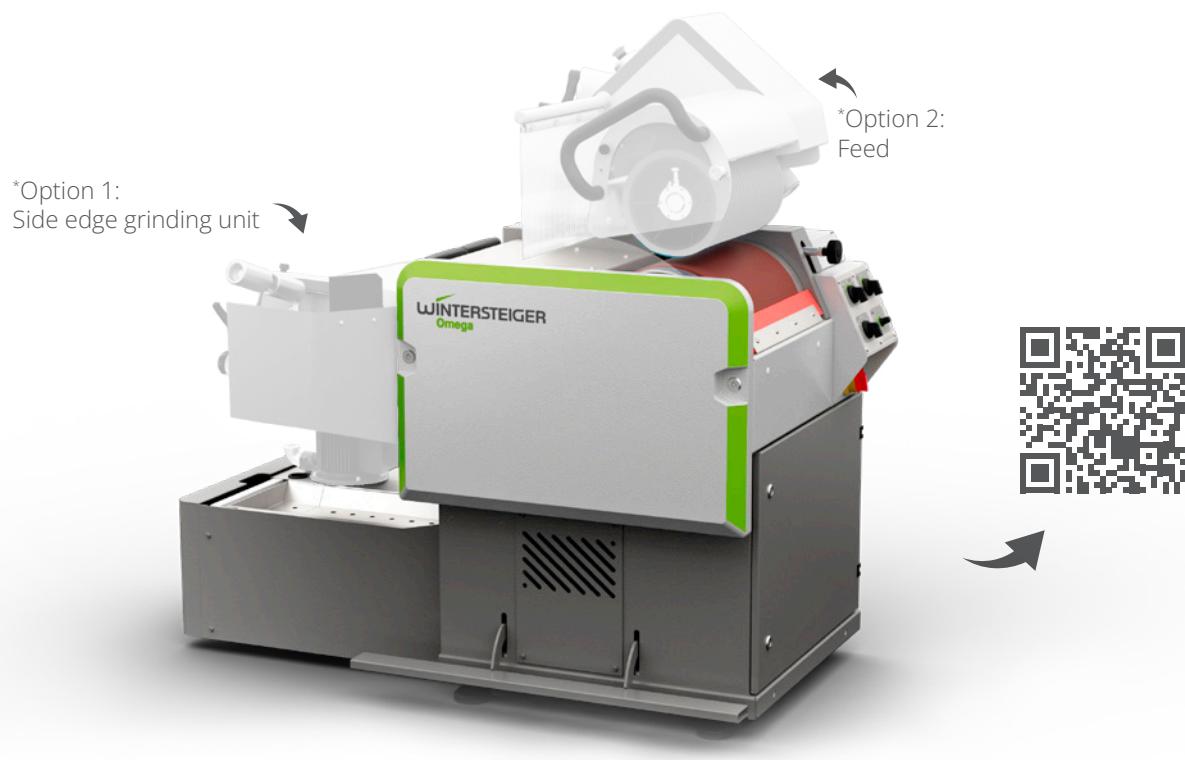
\*\*Part of the Structure package



Omega B (with feed)

# Flexible belt grinding machine for skis and snowboards

The biggest advantage of the Omega B is that you can use it for just about everything, which makes this first-class belt grinding machine not only a solid standalone solution but also the perfect addition to existing machinery. The 350 mm-wide processing belts can be exchanged in no time to accommodate everything from pregrinding and tuning to cold waxing, deburring, and polishing – for premium machining of skis and snowboards.



## Advantages:

- Small footprint
- Quick and easy belt replacement
- Self-centering abrasive belt
- Full pressure thanks to feed with PCS (Pressure Control System) up to 450 N
- Ergonomic and rugged machine
- Infinitely adjustable feed speed
- Three-part feed roller system
- Optional:
  - SEG for side edge and side wall preparation
  - Lifting technology: hydraulic or cable pull
  - The individually selectable hardness of the contact wheel means that the grinding results can be specifically controlled

# Technical data

	Omega B	Omega B with feed	Omega B with side edge grinding unit	Omega B with feed and side edge grinding aggregate				
Base grinding belt	350 x 1600 mm							
Water tank volume	80 liters							
Noise emission (Lp)	80 dB(A)							
Weight	320 kg	370 kg	355 kg	405 kg				
<b>Supply voltage</b>	3/N AC 400 – 415 V, 50 Hz							
Belt rpm	540/1080 rpm							
Connected load	4,0 kW	4,4 kW	4,5 kW	4,9 kW				
Rated current	8,1 A	10,1 A	9,2 A	11,2 A				
Min./max. fuse protection	16 – 20 A							
<b>Supply voltage</b>	3 AC 208 – 230 V, 60 Hz							
Belt rpm	660/1290 rpm							
Connected load	4,7 kW	5,0 kW	5,1 kW	5,5 kW				
Rated current	14,3 A	16,3 A	16,4 A	18,3 A				
Fuse protection	25 A							
<b>Supply voltage</b>	1 AC 208 – 230 V, 60 Hz							
Belt rpm	830 rpm							
Connected load	3,8 kW	4,2 kW	4,6 kW	4,9 kW				
Rated current	19,5 A	21 A	23 A	25 A				
Fuse protection	25 A							
<b>Feed (optional)</b>								
Min. – max. feed speed	5 – 20 m/min							
Min. – max. feed contact pressure	140 – 450 N							
<b>Side edge grinding aggregate (optional)</b>								
Side edge grinding belt	20 x 1200 mm							
We reserve the right to make technical modifications.								



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