





## WINTERSTEIGER always provides the best solution.

It is the constant desire for further development that takes an athlete to the top. They are spurred on by a steadfast determination to never be satisfied or stand still, but to keep moving forward. It is exactly this determination that drives us forward at WINTERSTEIGER too - because it is only this resolution that enables us to develop the technology of tomorrow today. One of the areas we practice this anticipation of the future in is edge grinding.

It really does seem that there are no limits to development, because we're willing to challenge limits - and that applies to our machines' individual specifications, the range of machines we offer, the length of their service lives and also the quality of the grinding. You can therefore be sure that in WINTERSTEIGER you'll always have the best partner with the best solution at your disposal.

The following pages describe in detail what the global market leader can offer you.



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## Ceramic Disc Finish WINTERSTEIGER's speciality.

Consistent research and development work pays off. The disc technology, which has become the industry standard for quality edge finish throughout the world, is an excellent example of this. This technology is used by over 90 % of manufacturers during the production of all their skis and snowboards. WINTERSTEIGER works consistently on the enhancement of this established edge finish technology for the service sector. In the end your customer can expect a perfect grinding result which always remains exactly the same for both, the side edge and the base edge. It is precisely this quality which is guaranteed by WINTERSTEIGER's Ceramic Disc Finish.



Ceramic Disc Finish  
means: Constant edge  
quality from the first to  
the last ski/snowboard!

Have confidence in WINTERSTEIGER's Ceramic Disc Finish:



**Edge with traditional belt-grinding - Disadvantages:**

- No exact edge geometry
- Rounded edges
- Rough surface

**Edge with other surface-grinding discs - Disadvantages:**

- Risk of errors being reproduced due to a single point contact surface
- Large-scale angle adjustment

**Advantages of WINTERSTEIGER Ceramic Disc Finish:**

**For the sports shop**

- Precise edge geometry
- Precise edge angles along the whole length of the ski or snowboard
- Fine, smooth edge surface
- Always sharp grinding discs

**For the rental shop**

- Frequent grinding possible thanks to low material removal
- Long life of rental skis
- No need to change belts
- Long life of disc

**For the end user**

- Improved turning qualities = more fun and faster learning results
- Better grip on hard slopes = increased safety
- Edges remain sharper for a longer period of time
- Easier turning on the edge = CARVING



## Trimjet and Trimjet Racing more individual, more precise and more economic

The automatic edge grinding machine for skis and snowboards.

The Trimjet has been a prime example of how first-class performance can be combined with high efficiency levels for years now. This makes the fact that the new updated version of this automatic edge grinding machine has many improvements and therefore even more benefits all the more remarkable. Various packages mean that other parts of the Trimjet in addition to the base can now be individualized to meet specific requirements too, for example. Important improvements have been made to the Trimjet's handling and precision levels, as well as to all the other features that have made it one of the most sought-after machines on the market. It is built around WINTERSTEIGER's Ceramic Disc Finish technology, of course.



## Your benefits summed up:

### Precise results

- Using the same disc technology as the manufacturers
- Individually and independently adjustable angles
- Precise edge geometry

### Easy to use

- Ergonomic with everything within reaching distance
- User-friendly operation on a touchscreen.
- Programs can be accessed quickly using „Easy Go“ quick-selection buttons.
- Simple angle adjustment

### Fast service

- Increased throughput due to faster feed
- Grinding without bridges means less preparation and post-processing
- Automatic operation

### Perfectly tuned

- Customizable to suit your individual needs
- Very well suited to snowboards and rocker, all-mountain, freeriding and backcountry skis





**Precise results.**

With Ceramic Disc Finish technology, the Trimjet boasts a technology that has set and will continue to set new standards in the realization of precise edge geometry and smooth edge surfaces. This is because the grinding discs are sharpened automatically and can therefore guarantee consistent grinding results on one hand, and because the „soft start“ ensures the grinding discs are in the best possible position to produce a well-balanced grinding pattern on the other hand. The benefits of these factors are pinpoint starting and stopping positions and precise grinding angles.

**The following angles can be set easily:**

**Trimjet**

Side edge: 89° / 88.5° / 88° / 87.5° / 87° / 86.5° / 86°  
 Base edge: 0.5° / 0.75° / 1° / 1.25° / 1.5° / 2° / 3°

**Trimjet Racing**

Side edge: 89° / 88.5° / 88° / 87.5° / 87° / 86.5° / 86°  
 Base edge: 0.4° / 0.5° / 0.6° / 0.7° / 0.8° / 1° / 1.2° / 1.4° / 1.6° / 1.8°







**Intelligent feed system: more precise and more efficient.**

Precision and efficiency in edge grinding are complex challenges and the feed system plays an important role. The Trimjet has a very intelligent system which eliminates the need for binding bridges. Four driving wheels combine with the machine's accurate guiding mechanism to feed through each ski and snowboard and hold it in the right position throughout the grinding process. This ensures that the amount of material removed is consistent along the entire length of the ski or snowboard. One feature that is

completely new is the option to vary the feed speed, which allows you to improve your grinding results even further.

In addition, you can switch from ski to snowboard processing very quickly with the Trimjet by simply moving one grinding unit. The Trimjet's ability to grind both backwards and forwards also means that you can select an individual sequence of base edge and side edge grinds.

**More flexible.**

The Trimjet impresses with its exceptional convenience on a daily basis. The new features support the processing of skis with rocker technology, for example. The display screen, which shows all the machine's functions and setting parameters clearly, is also new. Three frequently used grinding programs can be assigned to the „Easy Go“ quick-selection buttons, which means they can be called up quickly and easily whenever they are required. The operator can use the input mask in Professional mode to set all the grinding parameters, but even those using the Trimjet for the first time will find it no problem to work with the machine efficiently and achieve excellent grinding results. It is just as simple to set the grinding angle, which is done using hand wheels that have a clear scale. The redesigned cover also means you always have a good view of the grinding process. At the same time, it will protect you from any spray or dust that is created and make the machine easy to clean and service. The folding ski and snowboard supports make the Trimjet a space-saving machine that is easy to move thanks to its casters.



# Trimjet upgrade

## More performance with every package.

The Trimjet proves that „very good“ can become even better with its choice of individual upgrade packages. The basic version already offers very strong performance – but the different packages lift it to racing level.

### Racing package

- More flexible with more power and a wider speed range
- Grinding pressure adapted to the ski shape perfectly, thanks to servo-controlled pressure curves
- Perfect adaptation to the ski geometry
- Wider angle adjustment range for racing
- More powerful cutting fluid pump



### R-Wheel package for racing and rockers

- Skis vibrate less. Even more consistent results are guaranteed.
- Rocker skis are easier to handle, as skis are held in place in the grinding area.



### Centering package

- Excellent guiding mechanism ensures skis run through the machine smoothly.
- Higher efficiency levels thanks to divided support rollers



We reserve the right to make technical alterations.

## Fulfill needs perfectly with extensive options

There is a range of options to choose from in addition to the packages.



### **Little vibration.**

The central ski support causes the ski to vibrate less during the grinding process.

### **Constant sharpness.**

A diamond trims the disc and therefore guarantees consistent properties even if the machine is used for special applications.



### **No dripping.**

The convenient drip guard ensures the area around your Trimjet remains clean.



### **More power.**

The more powerful pump provides more pressure during cleaning.

## Options for your success

- Your WINTERSTEIGER sales advisor will be able to tell you about our different equipment packages.
- Benefit from grinding discs and diamonds of excellent WINTERSTEIGER quality.



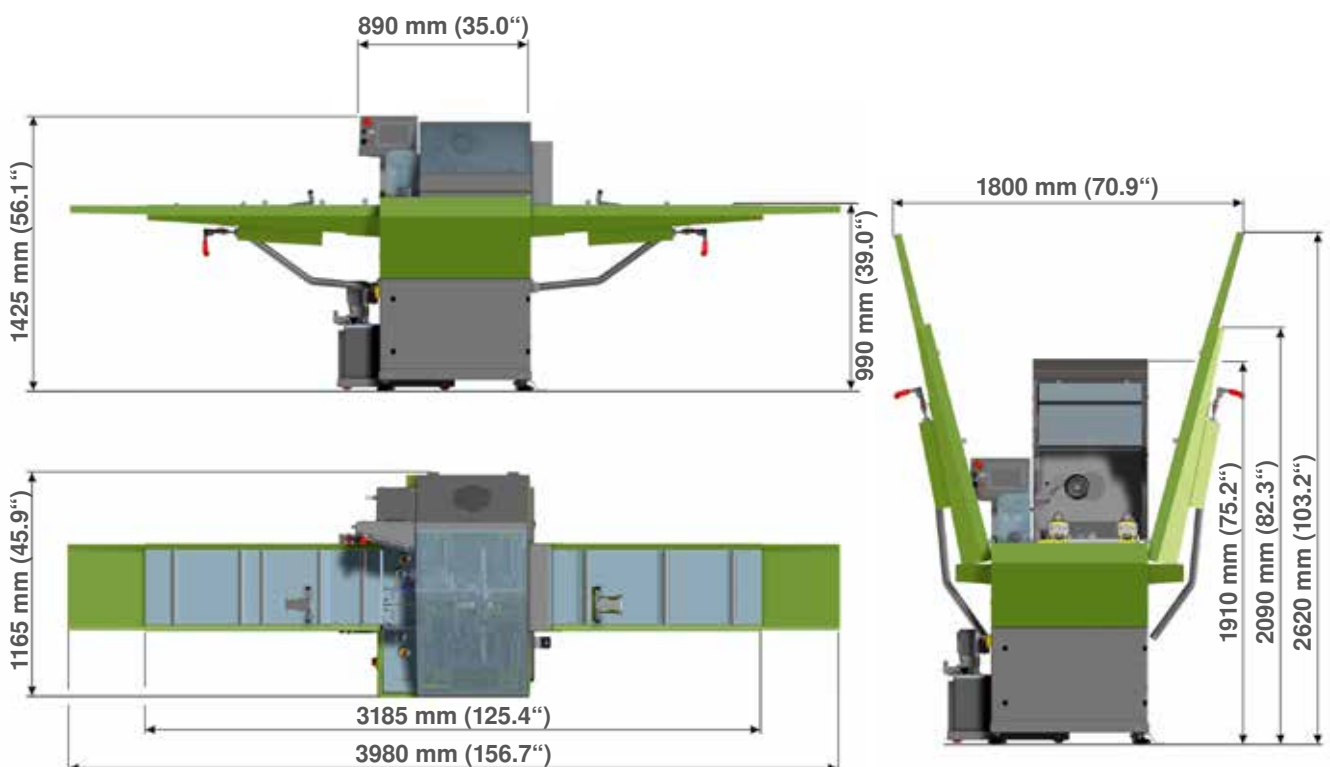


# Trimjet

## Figures. Data. Facts.

Technical data	Trimjet		Trimjet Racing	
Ski / Snowboard length min. – max.	800 – 2250 mm			
Ski/Snowboard width min. – max.	55 – 155 mm / 150 – 345 mm			
Ceramic disc	Ø 154 x 40 mm Optional for children's skis: 150 mm x 40 mm			
Grinding rpm	3600 rpm		1500 – 4500 rpm	
Feed speed	Approx. 3 – 9 m/min (10 – 30 ft/min)		Approx. 3 – 9 m/min (10 – 30 ft/min)	
Water tank volume	45 liters (12 gal)			
Noise emission	78 dB (A)		78 dB (A)	
Nominal voltage	1AC 208 – 240 V, 50/60Hz		–	
Nominal load	1.4 kW		–	
Nominal current	6 A		–	
Fuse protection min./max.	16 A		–	
Weight	433 kg (955 lbs)		–	
<b>Trimjet with powerful cutting fluid pump</b>				
Nominal voltage	1AC 208 – 240 V 50 Hz	1AC 208 – 240 V 60 Hz	1AC 208 – 240 V 50 Hz	1AC 208 – 240 V 60 Hz
Nominal load	1.6 kW	1.9 kW	1.6 kW	1.9 kW
Nominal current	7.5 A	9.5 A	10 A	12 A
Fuse protection min./max.	16 A	16 A	16 A	16 A
Weight	442 kg (974 lbs)		456 kg (1005 lbs)	
<b>Compressor (not included)</b>				
Performance in liters	Min.: 130 l/min at 6 bar			
Processing capacity (max.)	42 pairs/hr			

We reserve the right to make technical modifications.







## Trim Disc 71. High performance in a small space. Automatic Edge Grinding Machine for Skis and Snowboards.

The Trim Disc 71 proves that there is space everywhere for WINTERSTEIGER's Ceramic Disc Finish. The compact machine tunes side and base edges of all skis and snowboards effortlessly in the smallest space. The Trim Disc 71 makes all work steps easier due to its ergonomic working height and proves the perfect complement to your existing machines.





#### **Your benefits summed up:**

- Tuning of a variety of winter sports equipment – regardless of dimensions
- Space-saving machine
- Tuning of side and base edges
- Ergonomic working height



**Push the button.**

The Trim Disc 71 is equipped with a single sided ceramic disc unit that finishes both side and base edges of skis and snowboards with state of the art ceramic disc technology. At the flick of a switch, you can change the position of the disc from side edge to base edge tuning. A machine that saves you both time, and space.

**The grinding angles can be adjusted easily and individually:**  
 Side edge: 86° / 87.25° / 87.5° / 88° / 89°  
 Base edge: 0.75° / 1° / 1.5° / 2°

**Simple and fast.**

Just line up the ski or snowboard next to the ceramic disc, give one touch on the foot pedal and you activate the side autofeed roll which guides the ski or snowboard precisely through the machine. If you give another touch on the foot pedal you end the grinding process, so you can control individually whether to grind the whole edge or just a specific section. This way you can give every edge the care that it needs. This saves you time and gives you the confidence of knowing that you give every ski and snowboard a top quality, professional finish.

**Even finish.**

The side autofeed eliminates the need for binding bridges or for removing bindings. The driven feed rollers guide the ski or snowboard at a constant speed and pressure over the grinding disc, guaranteeing a consistently great finish. Using the Trim Disc 71 from WINTERSTEIGER you can select the angle of the side and base edges according to skiing ability. This means you can offer every skier, whether novice or racer, more security and enjoyment, even on hard and icy snow.



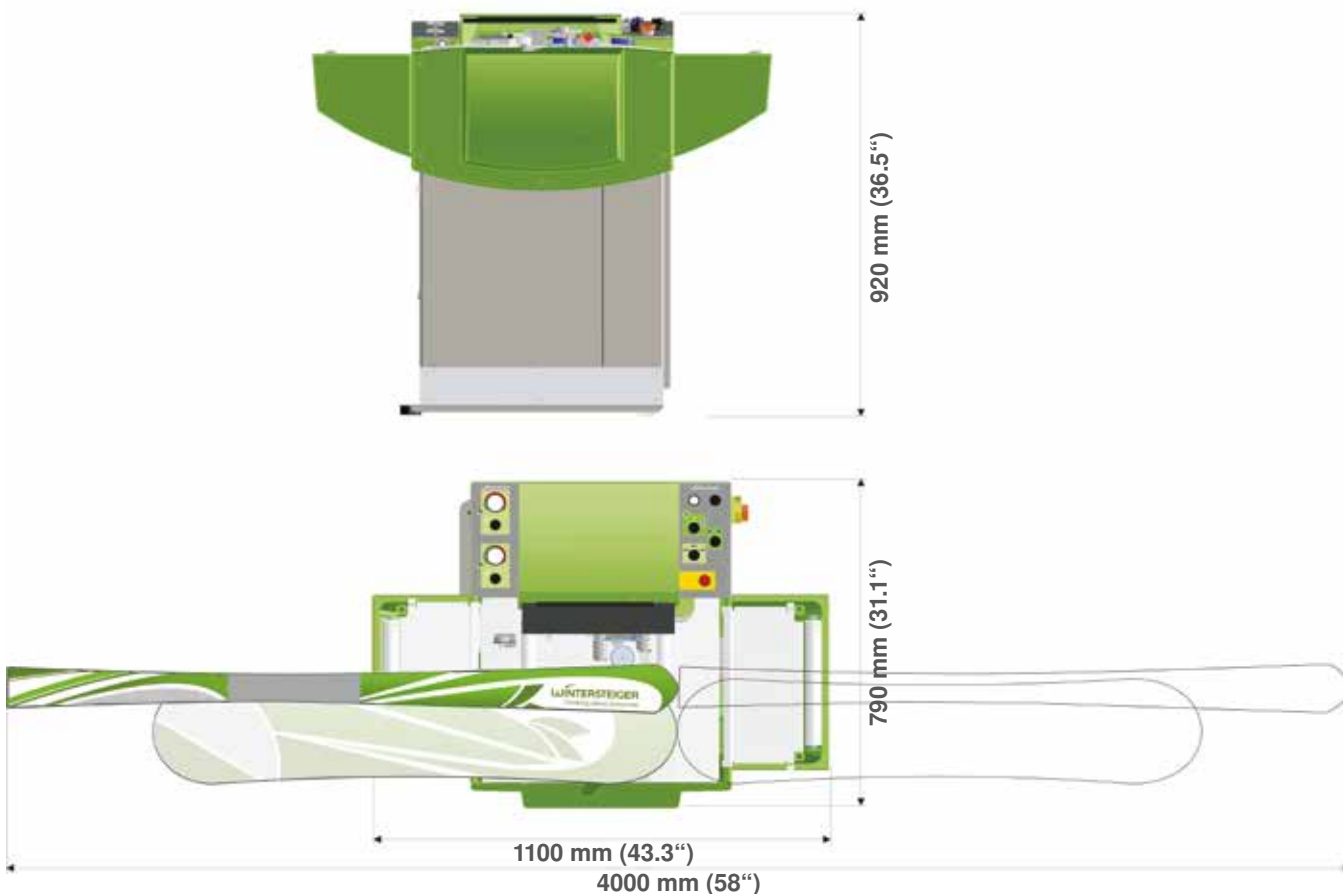
# Trim Disc 71

## Figures. Data. Facts.

### Technical specifications

Ski/Snowboard length min. - max.	500 - 2400 mm
Ski/Snowboard width min. - max.	50 - 350 mm
Grinding disc	Ø 154 x 40 mm
Grinding speed	2850 rpm
Feed speed	5,3 m/min
Weight	240 kg (530 lbs)
Water tank volume	20 litre (5 gal)
Noise emission	84 dB (A)
<b>Nominal load</b>	
Nominal load	0.85 kW
Nominal voltage	3 AC 400-415 V, 50 Hz
Rated current	2.5 A
Fuse protection min./max.	10/16 A
<b>Nominal load</b>	
Nominal load	0.85 kW
Nominal voltage	3 AC 208-230 V, 50/60 Hz
Rated current	4.5 A
Fuse protection min./max.	10/16 A
<b>Compressor (not included)</b>	
Liter output	20 l/min with 6 bar
<b>Capacity (max.)</b>	18 pairs/hour

We reserve the right to make technical alterations.



Ski: 2000 mm, Snowboard: 1560 mm





## Trim B The perfect complement. Edge Grinding Machine for Skis and Snowboards.

The Trim B is an ideal edge tuner for all shops from a small start up to complementing existing machines. The ergonomic design (30°) offers the operator a good view of the grinding point. A simple swivel mechanism allows for a quick easy change from side edge to base edge tuning.



### Your benefits summed up:

- Simple swing mechanism for switching from side edge to base edge tuning
- 30° operation for better visibility of the grinding point
- Easy angle adjustment
- Mobile, compact design ease of use in small spaces
- Ideal for start ups or to complement existing machinery

## Trim B Figures. Data. Facts.

### Technical data

Side edge angle	90° - 86°
Base edge angle	0° - 4°
Grinding speed	Approx. 1650 rpm
Grinding belt	1200 x 20 mm
Dimensions (L x W x H)	480 x 580 x 950 mm
Working height	900 mm
Noise emission	< 70 dB (A)
Weight	64 kg
Water tank volume	20 liters
Nominal voltage	1AC, 208 – 230 V, 50/60 Hz
Nominal load	0.45 kW
Rated current	2.1 A
Fuse protection min./max.	10/15A

We reserve the right to make technical alterations.

# WINTERSTEIGER complete. Customer services.

**WINTERSTEIGER sees its mission not only in the manufacture of innovative products for optimum customer benefit. Our demands and expectations go far beyond that. We understand the need for an accompanying partnership process that includes a range of optional services:**

## **From planning to implementation.**

WINTERSTEIGER provides complete system solutions for individual customer-specific requirements in all aspects of rental and servicing of skis and snowboards, including 3D planning, amortization and profitability analyses.

## **Strong customer service team.**

A large team of extremely well-trained service technicians takes comprehensive care of the following:

- Machine set up
- Training courses
- Service stop-bys
- Preventive maintenance
- Advice
- Modifications
- Problem solving
- Repairs
- Support
- Fast spare parts supply

## **Individually tailored finance packages.**

WINTERSTEIGER can offer you individually tailored finance packages, e.g. leasing or invoicing according to servicing demand.

## **Marketing Partnership.**

WINTERSTEIGER will support you in advertising your ski service. Together we will optimize your efficiency using professional advertising materials.





# Victories are developed in the mind. And with WINTERSTEIGER.

**WINTERSTEIGER is the world market leader in service and rental solutions for the entire ski and snowboard sport. Sport shops, rental stations, well known ski and snowboard producers as well as leading ski federations trust in the system solutions and first class service from WINTERSTEIGER.**

WINTERSTEIGER develops innovative system solutions for the rental and service of ski and snowboards. With this we concentrate highly on and take into consideration the various needs of our customers as well as recognizing the trends early enough to allow them to be brought into the product development.

With this strategy WINTERSTEIGER has established itself as competent partner in the planning and development of service work shops and rental stations. We accompany our customers starting with the evaluation of customer needs, the planning, financing solutions, trainings, personnel leasing, professional marketing support, all the way to our reliable after sales service.

## **The product range of Business Area SPORTS at a glance:**

- Fully automatic service stations
- Base and edge grinding machines
- Racing service machines
- Base repair and binding adjustment equipment
- Waxing machines
- Rental software
- Rental, depot and drying systems

## **The product range of Business Area BOOTDOC at a glance:**

- Foot analysis systems
- Insoles
- Compression/sports socks
- Fitting tools and equipment
- Foam liners



Who is on top,  
sees much further.



# WINTERSTEIGER. A Global Player.

**WINTERSTEIGER AG is a special-purpose machine builder based in Upper Austria and has concentrated on niche markets since its foundation in 1953.**

The internationalization of the markets and the technological revolutions have become the deciding factors in the global competition. WINTERSTEIGER has always considered such

challenges opportunities and has taken advantage of them. This has resulted in continuous growth, which is further ensured by the innovative power of its employees and driven

through strategic acquisitions. In this way we succeeded in providing the optimal conditions for long-term and stable partnerships with our customers.

## ■ Business Unit SEEDMECH

- Turnkey solutions for plant breeding and research

## ■ Business Unit SPORTS

- One-stop supplier for ski and snowboard rental and servicing
- Systems for hygienic drying of sports goods and work clothes
- Fit-optimizing solutions and individual sports shoe adjustments

## ■ Business Unit WOODTECH

- Process solutions for precision thin-cutting, wood repairs and cosmetics
- Saw blades for wood and food

## ■ Business Unit LEVELLING

- Levelling technology machines and systems (KOHLER Maschinenbau GmbH)

## ■ Business Unit AUTOMATION

- Plants and automation solutions for industrial manufacturing companies (VAP Gruber Automations GmbH)

- 20 subsidiaries
- 60 representatives
- Sales to 130 countries
- 90 % export share
- Global market leader in SEEDMECH, SPORTS and WOODTECH



Company head offices at Ried im Innkreis, Upper Austria



Success begins with the right decisions. At the right time.  
We look forward to you!



First Class  
**WINTERSTEIGER**  
Ski & Board Tuning

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