

## BEAST

THE HIGHEST DEGREE  
OF PERFORMANCE  
AND EFFICIENCY



Sales and service sites in your area to be found on [www.prinoth.com](http://www.prinoth.com)

PRINOTH AG  
Brennerstraße 34  
I-39049 Sterzing (BZ)  
Tel. +39 0472 72 26 22  
Fax +39 0472 72 26 18  
prinoth@prinoth.com

PRINOTH AG (Schweiz)  
Gemmistraße 45  
CH-3970 Salgesch  
Tel. +41 (0)27 456 26 56  
Fax +41 (0)27 456 47 00  
info@prinoth.ch

PRINOTH GmbH (Österreich)  
Michael-Seeber-Straße 1  
A-6410 Telfs  
Tel. +43 (0)526 262 121  
Fax +43 (0)526 262 123 160  
prinoth.austria@prinoth.com

PRINOTH S.A.S. (France)  
5, Rue Galilée Alpespace B.P. 62  
F-73802 Montmelian, Cedex  
Tel. +33 (0)479 84 76 76  
Fax +33 (0)479 84 76 77  
prinoth.france@prinoth.com

PRINOTH Ltd. (Canada)  
615 Georges - Cros Street  
Granby, Quebec J2J 1B4  
Tel. +1 450 776 3888  
Fax +1 450 776 6030  
prinoth.canada@prinoth.com

PRINOTH LLC (USA)  
2746 Seeber Drive Bldg B  
Grand Junction, co 81506  
Tel. +1 970 242 7150  
Fax +1 970 241 6722  
prinoth.us@prinoth.com



Piaggio



“POWER LIES  
IN QUALITY.”

FRIEDRICH WILHELM  
NIETZSCHE



## FIVE BENEFITS OF THE BEAST

**Prinoth**

### A NEW DIMENSION **1**

Increased productivity: the Beast sets a new benchmark in grooming with a productivity increase over 40% thanks to its working width and the enormous track working surface guaranteeing optimal grip and efficient power in all snow conditions. State-of-the-art drive systems and a 388 kW engine ensure that the Beast will deliver high-performance grooming speeds.

### OUTSTANDING DRIVE CAPABILITIES **2**

Superior climbing and pushing capabilities: the Beast stands alone as the global leader in slope grooming, with a well-balanced centre of gravity and ideal dimensions that guarantees heroic performance. The Beast's core is the PRINOTH drive control system – the source of the high-performance drive capabilities that allow the Beast to deliver unrivalled performance in even the most difficult working conditions.

### WORKPLACE CONFIGURATIONS **3**

You choose: the operator's position in the Beast is entirely in your hands. Options include two steering systems and two operator seat locations. Take your pick between a steering wheel and levers for the control system; decide whether you want the operator's seat to be located in the cab's centre or on its left-hand side. Custom configurations mean the Beast can handle any specific slope grooming applications.

### INNOVATIVE COMFORT **4**

Dynamic lines and a powerful look: the exciting exterior is a clear indication of its sleek interior design. The cab's blend of ergonomics and cutting-edge technology creates a comfortable, well-thought-out workspace. Among the Beast's outstanding features is the unique PRINOTH ergonomic control centre: the right armrest is used for the blade, tiller controls and diagnostic information centre, with vehicle steering controls located at the operator's left hand.

### UNIQUE ACCESSORIES **5**

High-performance grooming at your command: the PRINOTH POWER TILLER provides perfect results with maximum efficiency. The PRINOTH MASTER BLADE energizes the snow when it comes in contact with the blade, allowing for increased pushing performance with less wasted power. With its unrivalled width, the Beast creates a new dimension in slope grooming.



**GOOD, BETTER,  
BEAST**

**Prinoth**

**A NEW DIMENSION IN SLOPE GROOMING »**

PRINOTH writes a new chapter in the history of slope grooming: the Beast simultaneously provides maximum efficiency and increased grooming performance. This vehicle combines innovative comfort and explosive power – an exclusive design and an excellent investment. The Beast is the result of PRINOTH's slope grooming expertise and constant innovation in the pursuit of perfectly prepared ski slopes worldwide.



**A QUANTUM LEAP IN  
SLOPE GROOMING PERFORMANCE »**

Over 40% increase in performance delivering 100% groomed slope perfection: the Beast has set a new benchmark in grooming efficiency. With a working width of 7.1 m from one wing finisher to the other, this new high-performance grooming technology substantially increases acres groomed per hour. It's all thanks to the increased width of the track surface area – giving the Beast increased traction and torque

when climbing while minimizing track slippage. Last but not least, the PRINOTH POWER TILLER provides a powerful performance advantage for PRINOTH's top performer.

The Beast, for perfect pistes.





**QUALITY  
AND EFFICIENT  
SLOPE GROOMING**



**HIGHER PERFORMANCE IN EVERY SITUATION »**

With 388 kW and 180 cm<sup>3</sup> Rexroth drive pumps, the Beast develops extraordinary torque at the drive sprocket. The foundation for this unprecedented productivity is the increased width of its track, the MASTER BLADE's 6.6 m<sup>2</sup> area, and the vehicle's perfectly balanced centre of gravity. These features result in over 40% more productivity from the BEAST than you get from conventional snow groomers – the Beast sets new standards that others can only follow.

**MORE EFFICIENT USE OF POWER »**

Increased power is useless if it's not optimally transferred to the ground. The overall surface of the Beast's track area is 17.5 m<sup>2</sup> – that's an increase of 45% compared to the current grooming standard. Lower ground pressure increases grooming productivity, even in the deepest snow. More efficient power use reduces track slippage, again increasing grooming productivity.



**SIGNIFICANT COST REDUCTIONS »**

Maximum performance, minimum cost. An extraordinary increase in acres groomed per hour means an amazing reduction in your per-acre grooming expenses: savings that make the Beast good for your bottom line. In an industry where time is money, a 300-liter fuel tank means more time spend grooming. The best slope quality possible – with cost savings that seem impossible!



**OPERATING WITH  
EASE, EVEN ON  
DIFFICULT TERRAIN**



**REVOLUTIONARY CLIMBING CAPABILITIES »**

Extreme terrain is not an obstacle or a technical challenge for the Beast. The unparalleled working width of the track provides low ground pressure. Intermediary wheels are positioned in the middle of the track, and the vehicle's weight distribution guarantees that its low ground pressure is evenly distributed – the perfect combination for high-performance climbing. In order for the Beast to stay under control in even the most difficult conditions,

its tracks have been equipped with ice spikes. With these advantages, the Beast pushes into areas previously restricted to winch vehicles – an economic advantage resort operators should keep in mind.



**SURPRISINGLY AGILE »**

The heart of the Beast is its powerful Caterpillar engine. With 388 kW and a maximum torque of 2216 Nm, as well as consistent power throughout the torque curve, it's ideal for the demands of today's slope grooming operator – and of course it meets Euromot III A guidelines. The engine is the basis for high-performance output at the drive sprocket; this, combined with a perfect balance of design and engineering, arm the Beast with clear advantages. An opti-

mal centre of gravity and even ground pressure contribute to the Beast's unsurpassed maneuverability on even the most demanding slopes.



**HIGH-PERFORMANCE  
ELECTRONIC CONTROLS  
THAT OPTIMIZE  
BEAST PRODUCTIVITY**



**FLEXIBILITY IN CHANGING CONDITIONS »**

Total control is the formula for success in high-performance slope grooming. The Beast's vehicle management system ensures that the vehicle's components communicate reliably and effectively in the most extreme situations. The operational superiority of the Beast, whether it is pushing large amounts of snow or navigating a difficult slope, is a tangible advantage that provides a return on investment every working day.

**INNOVATIVE VEHICLE CONTROL »**

The Beast operates at its full potential thanks to electronics that communicate through a CAN bus system. CAN bus technology integrates operational systems with individual driving properties, delivering real-time data for on-board diagnostics. The Beast's management system constantly monitors the machine's performance characteristics, making it one of the most efficient and economical grooming platform on the market.



**ON-BOARD DIAGNOSTICS »**

Real-time information: an integrated fault-recognition system for the Beast and its components provides operators and mechanics with user-friendly diagnostic data. Over a decade of experience with CAN bus technology means PRINOTH can provide an optimized system.



**CREATURE  
COMFORTS  
FOR ADDED  
PERFORMANCE**

**Pinotti**

**STEERING WHEEL OR LEVERS:  
THE CHOICE IS YOURS »**

Depending upon personal preference, the Beast can be equipped with either steering levers or a steering wheel. Both provide equal performance with an ergonomic design and sensitive, precise control. The steering wheel have been designed for effortless stress-free operation combining with multiple operator controlled adjustments.

**CENTRE SEATING OR TRADITIONAL LEFT  
HAND SEATING POSITIONS »**

Before ordering the Beast, operators can decide where they want their seat to be positioned: on the left or in the middle of the cab. The seat base and back rest are ergonomically designed to match the rigorous demands of slope grooming, and the seat boasts 18-way adjustment to meet the needs of individual operators. An air-ride suspension system keeps things smooth for the operator, enhancing vehicle control for greater safety.

**EASY ENTRY »**

Climb in, climb out, climb in again – with the innovative EASY ENTRY function of the Beast's steering column, it's no problem. Press a pedal in the foot area and the steering column automatically returns to its previous position – thanks to the memory function of the steering column, resetting the column is a snap. The steering wheel position can even be set for individual operators, making this vehicle more convenient than ever.



**INDIVIDUAL ADJUSTMENT »**

The sensitivity of the steering and the accelerator can be adjusted to meet operators' individual needs. In addition to these parameters, settings can also be individually configured such as the automatic raising and lowering of the tiller, window defrosting intervals. For an optimal and individually adjusted performance.





**EASE OF OPERATION  
LETS OPERATORS  
FOCUS ON THE  
PERFECT PISTE**

**Prinoth**

#### **AN INTUITIVE WORK SPACE »**

The simple, intuitive operation of the Beast makes relaxed and efficient work possible in even the most demanding situations. While the operator's left hand controls the vehicle's drive system, the right hand concentrates on the operation of the blade and tiller. The driver can monitor all the vehicle's functions by glancing at the display screen. This work space is the result of extensive ergonomic studies as well as PRINOTH's many years of experience.

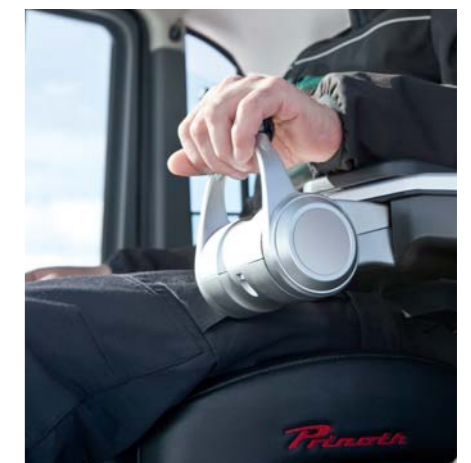


#### **RIGHT ARMREST »**

It combines the main control and operating elements: a guarantee that the operator will have every situation under control. The joystick, developed and designed by PRINOTH, provides both ergonomic and sensitive control of the tiller and blade functions. The operator can access the display screen and operate the clearly laid-out keyboard with secondary functions, such as the lights, defrosters, etc.

#### **INFORMATION CENTRE »**

One glance gives you the full picture: vehicle operational information can be quickly and precisely read from the clear colour display screen. Sub-menus provide detailed information on the vehicle and various settings can be adjusted and/or calibrated. Self-explanatory menu icons help the operator manage the Beast with ease.





**BRILLIANT DESIGN  
YOU CAN SEE  
AND FEEL**



**A GREAT ENTRANCE »**

Beast – the name says it all. Its dynamically aggressive appearance comes from the world famous Pininfarina design studio, clearly stating that this snow groomer was made for uncompromising performance, to deliver perfect slope quality. Ergonomics are a top priority, with interior materials carefully selected; that said, the Beast boasts the kind of interior you usually only find in automobiles, combining discriminating design with no-nonsense finishing touches.

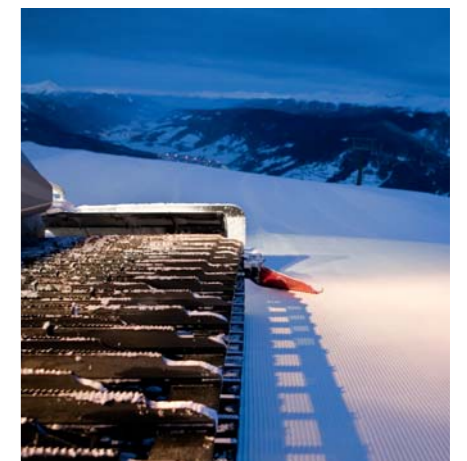


**A COMFORTABLE WORKING CLIMATE »**

In order for the operator to remain alert and aware of his surroundings, a constant fresh air supply is provided with draft-free air circulation. The optimized sandwich construction of the walls, windows, and floor ensure a noise and vibration reduced workplace. But the Beast is more than just a pretty face – its cab features certified roll over protection system (ROPS). Air conditioning is available as an option.

**THE PERFECT VIEW, DAY & NIGHT »**

Panoramic viewing capabilities give Beast operators increased awareness of their working environment. Side windows provide excellent visibility of both blade wings as well as the tracks. Its high-performance lighting system combines xenon and halogen lamps designed to illuminate work areas during any mix of weather conditions. The MEMORY function for the forward and rear lighting system means the operator can restore preferred settings with the touch of a button.





**PRINOTH  
IMPLEMENTS:  
FORWARD THINKING  
& TREND SETTING**

*Prinoth*

**PROVEN EFFICIENCY:  
THE PRINOTH POWER TILLER »**

With an overall working width of 7.1 meters from one tiller wing finisher to the other, the PRINOTH POWER TILLER provides excellent slope quality and a perfect slope finish. Skiers and snowboarders have reason to celebrate: whether the surface is soft or hard, whether the snow is natural or machine-made, the PRINOTH POWER TILLER always provides exceptional slope quality even at high-performance

grooming speeds. The snow is processed systematically, guaranteeing a long-lasting skiing surface with an excellent underfoot feel that's also pleasing to the eye. The hydraulic side wing finishers are standard equipment for building the perfect piste with the Beast.

**HIGH PERFORMANCE PUSHING CAPABILITIES:  
THE PRINOTH MASTER BLADE »**

The PRINOTH MASTER BLADE is an evolution of the technology used to create the PRINOTH twelve-way blade. The blade face is designed to energize snow when it comes in contact with the blade, minimizing friction to keep the Beast moving efficiently with less effort. The aggressive angle of approach of the blade teeth guarantee easy penetration of the hardest surfaces, and the teeth are built strong for years

of reliable use. The PRINOTH MASTER BLADE is productive in a wide spectrum of conditions. We live up to our slogan: Good, Better, Beast.



## DIESEL ENGINE

Model	Caterpillar C13 Acert
Turbo diesel engine fitted with direct fuel injection and charge air intercooling system. High-pressure injection system with individual fuel injection pumps and electronic engine management	Euromot III A
Number of cylinders	6 in-line
Total displacement	12,500 cc
Engine power	388 kW (520 hp) at 1,800 rpm
Top torque	2,216 Nm at 1,400 rpm
Fuel capacity	300 l

## DRIVER'S CABIN

Recaro seat from the comfort line  
2 passenger seats  
Ergonomically designed joystick  
Steering by means of a wheel or levers (you may choose from these alternatives)  
Centrally or laterally positioned driver's seat (you may choose from these alternatives)  
8.4 inch display with a resolution of 640 x 480 pixels  
Good visibility on the tracks and blade wings  
Radio with CD player, USB-connection and stereo speakers  
Preset for radio transceiver installation  
Air heating by warm water, air-purifying blower with automatic temperature control  
Electronic units connected via CAN bus  
Cabin's tilting by electro-hydraulic control  
ROPS tested (roll-over protection system) according to EN 15059  
Air conditioner (optional)

## WEIGHT

Total weight including tracks, blade and snow tiller	11,550 kg
At most permissible total load	12,000 kg

## WINDSHIELD/EXTERIOR MIRRORS

Electrically heated front, side, and rear glasses  
Electrically heated and adjustable rearview mirrors  
Electrically heated windshield wiper blades

## DRIVE

Final drive hydrostatic pumps 180 cm<sup>3</sup> Bosch Rexroth

## LIGHTING

6 xenon work lights in front  
4 halogen headlights in front  
2 xenon work lights in the rear  
2 halogen headlights in the rear  
2 rotating lights, parking lights, turn indicators  
1 spotlight

## DRIVING FEATURES

Turning radius	0 (vehicle turns on its own axis)
Front hilling capacity	depending upon snow conditions up to 100%
Maximum driving speed	up to 22 km/h
Driving features can be configured individually	
Track working surface	17,5 m <sup>2</sup>

## ELECTRICAL SYSTEM

Supply voltage	24 V
Storage batteries	2 x 12 V - 200 Ah
Cranking amps	1,000 A according to EN standard

## TILLER

POWER TILLER provided with quick-connecting system  
SNOW PROTECTORS (snow guards)  
Hydraulically operated side wings

## BLADE

MASTER BLADE  
12-way front blade provided with quick-connecting system

Subject to modifications in the course of technological advancement.

PRINOTH®, Pininfarina®, Caterpillar®, Recaro®, Bosch Rexroth® are registered trademarks.

## TECHNICAL DATA

**Prinoth**

