



## EVEREST

THE PERFECT  
COMBINATION OF  
POWER AND COMFORT



LEITNER  
TECHNOLOGIES

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"THOSE WHO WISH TO  
OVERTAKE OTHERS HAVE  
TO BE BETTER."

MARC KRAFT



**THE EVEREST  
CONVINCES  
IN EVERY WAY**



**A UNIQUE WORK PLACE**

The cabin of the Everest was redesigned with drivers and their individual needs in mind. The clear layout of the controls and the driver's seat, which was developed for special needs, make the work a pleasure and establish the Everest as a convincing pro on the slopes. The latest ergonomic insights are combined with state of the art technology and skillfully packaged in the elegant styling of Pininfarina.

1

**HIGH PERFORMANCE GROOMING**

Quantity combined with quality: the Everest meets this qualitative and quantitative statement with proven reliability. Its impressive performance is rounded out by exceptional thrust with good maneuverability, excellent climbing ability and unprecedented blade control due to the proportional blade hydraulics.

2

**LOW OPERATING COSTS**

The innovative electronic management system of the engine and hydraulic pumps ensures optimal hydrostatic performance with low fuel consumption. The results are lower operating costs and decreased emissions. Good news for the ski area operator and also for the environment. Proven components reduce maintenance effort and thus working expenses. At the same time, they increase the expected life of the Everest.

3

**SUPERIOR WINCH**

Equipped with the latest generation of the PRINOTH drum winch, the Everest sets standards worldwide in efficient and productive grooming of steep slopes. WINCONTROL provides automated control of the winch pulling force; the driver is free to concentrate on the basics. The use of a drum winch helps ensure that the cable will remain in good condition for a long life, a high level of reliability and economic operation.

4

**EFFICIENT IMPLEMENTS**

The high-performance PRINOTH POWER TILLER guarantees perfect piste quality at maximum grooming speed. The result is visual perfection that provides world class skiing in every condition. The profile of the PRINOTH 12-way blade energizes the snow when it comes in contact with the blade for minimal resistance. The push frame mounting points allow for high performance pushing potential.

5



**AN INTRIGUING  
COMBINATION  
OF DESIGN AND  
FUNCTION**

**PrinOTH**

**DESIGNED TO PERFORM »**

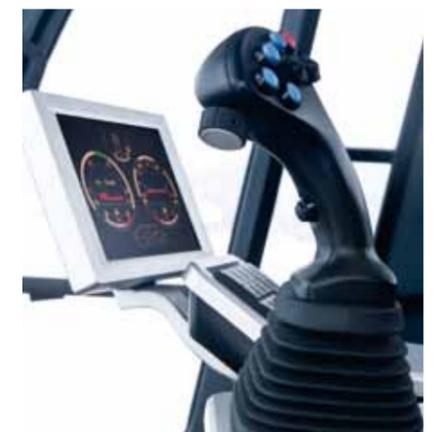
The Everest is a credit to its name – both technically and in terms of design. The result is the highest regard for ergonomic comfort, performance and reliability. The overall orientation is to meet the needs of the operator and to ensure high performance slope grooming. The Everest is an innovative vehicle that satisfies the operator's needs when creating the perfect piste – efficient and safe in all working conditions. Everyone profits from a perfectly

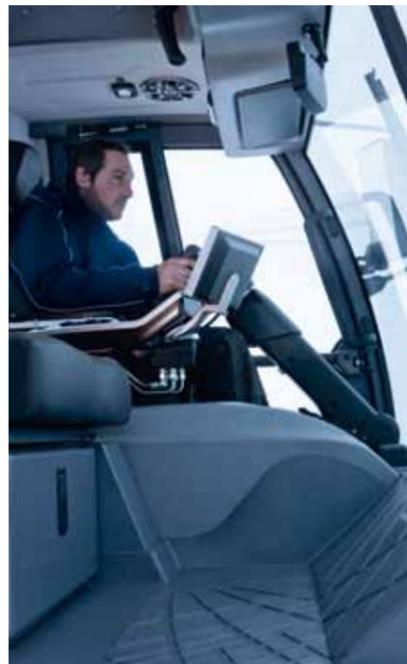
groomed ski slope: the groomer operator, the resort manager who is concerned with the bottom line and the millions of skiers and snowboarders who benefit from the PRINOTH creation of perfect piste throughout the world.

**ERGONOMICS THAT CAN BE SEEN AND FELT »**

Climb in and prepare to be impressed with the interior of the Everest. No function has been left unattended. All the operating functions are oriented in an ergonomic and efficient way. Drive with your left hand and operate the functions with the right hand. The driver will never have to relinquish control of the vehicle. While maintaining control of the steering wheel with the left hand, the right hand controls the blade and all of the other functions

of the vehicle. The Everest provides more: The key pad and video screen are attached on a console that is mounted to the operator's seat. The user friendly design of the work station and its sensitive as well as accurate control creates an unrivaled simplicity for driving performance. The operating design and functionality is the result of PRINOTH's extensive ergonomic studies and years of PRINOTH experience.





#### PERFECTION AT THE PUSH OF A BUTTON »

The operator can easily access all the important operating functions of the Everest from the right hand armrest. The ergonomic shape of the joystick designed by PRINOTH guarantees effortless control and reduces fatigue when operating the tiller and blade. Within easy reach, the operator is able to input data via the keypad with his right hand. The ergonomic layout of the switches assures ease of operation of lights, window defroster, and other functions.



#### EASY ENTRY FUNCTION »

One of the unique features of the Everest is the design of the steering wheel column. The steering column features the EASY ENTRY function: after entry into the cab, the steering column automatically returns to the preferred position of the operator. A creature comfort the operator will certainly appreciate. For the individual operator needs, the steering column can be adjusted with respect to height, length and degree of tilt. The shape of the steering wheel has been ergonomically developed to fit in the operator's hand. Three different hand positions were designed into the steering wheel. The lightly grained surface ensures a firm grip while at the same time providing a comfortable feeling for hours of fatigue free driving.

THE PERFECT  
WORK STATION

*Prinath*





#### THE PERFECT VIEW



#### GOOD VISIBILITY FOR CONTROL »

The mounting points for the push frame have been moved forward. As a result, the blade is in the operator's direct field of vision. The windows also provide a broad viewing perspective. The onboard computer has a large color display screen that provides vital vehicle data. The information is displayed in a consistent and well-arranged manner.

#### AN INGENUOUS LIGHTING DESIGN »

The lighting system scores high marks in dense fog, heavy snowfall or in the dark of night. The well thought-out lighting system provides a perfect balance of both xenon and halogen lighting technology. The illumination of the slope both in front and to the rear is guaranteed. The working lights on the exterior mirrors are available as an option in either the xenon or the halogen versions.



#### FIRST CLASS SEATING »

In partnership with Recaro, PRINOTH has developed a new air suspension operator's seat. The contour of the seat base and the backrest are specifically designed for slope grooming. As a result, the seat provides unprecedented stability during the most extreme maneuvers, providing fatigue-free operation. The choice of eighteen seat adjustments and electrically adjustable lumbar support ensures maximum comfort.



#### **QUANTITY AND QUALITY »**

Grooming perfection in the shortest possible time: the Everest gets it done. The large drive motors create new standards in performance. In combination with the unbeatable PRINOTH POWER TILLER, the perfect piste can be achieved at maximum grooming speed. The quantity and quality of the operation is due to the efficiencies of the PRINOTH vehicle management system, which assist the operator in realizing unparalleled performance when driving and grooming. The connectivity of these performance enhancers is achieved by means of the CAN bus connections.



#### **PERFORMANCE ON ANY TERRAIN »**

Demanding slope angles and large amounts of snow are easy work for the Everest. The orientation of the push frame mounting points and the dynamic shape of the blade guarantee the best results when creating the perfect piste. The fact that the Everest has excellent performance even under full load results from the large displacement hydrostatic drive pumps that provide high performance even when making the tightest radius turn. The low weight of the Everest creates low ground pressure. Combine that with an optimum center of gravity and you get an adaptable and maneuverable grooming vehicle.



**PERFORMANCE  
ANYTIME AND  
ANYWHERE**

#### **STABILITY WHEN IT COUNTS »**

In order for the Everest to never lose control even on the steepest piste, the tracks are equipped with distinctive ice spikes and lateral stabilizers. Whether in soft snow, new snow or rock-hard ice – its climbing capabilities and lateral stability are guaranteed to provide the best performance.

**Prinoth**



## INDUSTRIAL STRENGTH

*Piunotti*

### RESPONSIVE CONTROL »

The capacity of the blade enables the Everest to move large volumes of snow with the greatest of ease. The hydraulic pilot control of the blade provides unprecedented control for the operator. The oil flow rate of the pilot controlled blade provides precise movement. This permits for fluid operating functions, making it possible for the operator to operate efficiently in the most demanding terrain.



### CUSTOMIZED FOR EVERY OPERATOR »

Now every operator can set their own driving preferences! For example, the sensitivity of steering wheel and the accelerator pedal can be individually adjusted by the operator and then saved in the operator's profile. Additional driving preferences can also be stored in the Everest data base. Every vehicle can be tuned for the personal requirements of the operator. For an effortless drivers change, a total of eight different profiles may be recorded.



### A SOLID POWERHOUSE »

The driving force behind every Everest is the unbeatable Mercedes model OM 501 LA engine. With an output of 315 kW (430 hp) and 2,000 Nm of torque, it exceeds the environmental standards of the Euromot III A. Together, the engine and drive train are configured to operate at a low rpm but with high torque. The Bosch-Rexroth hydraulic components will provide ultimate performance in the most demanding conditions.



## COST-CONCIOUS WORKING

*Prinoth*

### LOW CONSUMPTION »

When it comes to fuel usage, the Everest generates maximum return on a minimal investment. The integrated electronic engine and hydrostatic drive management system provide positive results in an infinite range of operating conditions. This translates into high performance and high efficiencies with low fuel consumption. The obvious result is a lower cost of operation and a decreased impact on the environment. The advantage of the

PRINOTH POWER TILLER means increased productivity. The final result will be a lower cost of labor. The Everest can be refueled from the ground. The fuel tank size has been increased to provide a total capacity of 290 litres. This means extended grooming periods without the need to refuel.

### RELIABLE COMPONENTS »

Extensive testing by PRINOTH and hours of operations by our customers has made one thing absolutely clear: an Everest defines itself through reliability and a positive return on investment. PRINOTH's choice of components guarantee low operating costs and a long life expectancy.





**ADVANCED  
TECHNOLOGY —  
THE PRINOTH  
DRUM WINCH**

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**POWERFULLY EFFICIENT »**

Whether it is an extremely steep slope or pushing large volumes of snow: the PRINOTH drum winch will never leave the Everest hanging, even in the most demanding terrain. The winch boom pivot point is positioned in the machine's center of gravity. Therefore, the groomer is very agile and remains stable, even if the pulling point is not straight forward in the driving direction. The winch provides stability when it really counts.

**EVERYTHING RUNS AUTOMATICALLY »**

WINCONTROL is the key: the automated management of the winch pulling force: WINCONTROL allows the Everest to react automatically to constantly changing conditions. This enables the operator to concentrate on the job at hand: creation of the perfect piste. The sensitive and automatic regulation of the pulling force in relationship to the position of the winch boom increases the efficiency of the winch. Automatic rope pullout is available as optional.



**DESIGNED FOR LONGEVITY »**

Made to perform in the toughest conditions, the PRINOTH winch provides increased cable life. The result is economical operation and reliability. The simple construction of the winch gives the operator confidence in the most challenging situations.



#### THE PRINOTH POWER TILLER »

The experts all agree: the POWER TILLER provides the highest piste quality even when high speed grooming is required. Whether the snow pack is soft or hard, natural or man-made – the result is a consistent piste that is pleasing to the eye and to the skier or rider. The productivity of the POWER TILLER ensures longevity of the groomed piste throughout the day. The design of the SNOW PROTECTORS prevents snow from accumulating on the tiller. This means the operator is not grooming with dead weight. The result: increased performance, and lower fuel consumption. Side wing optional finishers ensure a seamless finish from one pass to the next.



#### THE PRINOTH BLADE: PRECISE AND EFFICIENT »

The profile of the PRINOTH 12-way blade energizes the snow when it comes in contact with the blade creating less resistance when pushing and increasing performance of the vehicle. The approach angle of the cutting edge allows for more efficient penetration of the hardest surfaces. A longer life and increased performance result by the forged cutting edge. The blade screen is designed to transport snow making guns, no matter the brand of manufacture. The agile blade is truly an extension of the operator's hand for creating the perfect piste.

POWERFULLY  
COMPETENT

*Prinoth*



## DIESEL ENGINE

Model	Mercedes OM 501 LA
Turbodiesel with direct fuel injection	Euromot III A and intercooling. High-pressure injection system with individual fuel injection pumps and fully-electronic engine management
Number of cylinders	6 in V configuration
Total displacement	11,950 cc
Engine power	315 kw (430 hp) at 1,800 rpm
Max. torque	2,000 Nm at 1,300 rpm
Fuel consumption	from 20 l./h
Fuel capacity	290 l

## WEIGHT

Total weight including tracks, blade and tiller	9,670 kg
Max. permissible total weight	12,500 kg
Total weight of Everest winch including tracks, blade and tiller	11,575 kg

## CAB

Recaro driver's seat  
2 passenger seats  
Safety belts for driver and passengers  
Ergonomically designed joystick  
Electronic units connected via CAN bus  
Tiltable cabin  
Steering wheel  
Radio with CD player, USB-connection and stereo speakers  
Rady for radio installation  
Radiator heating and blower with automatic temperature control  
ROPS tested according to EN 15059 (roll-over protection)  
8.4 inch display with a resolution of 640 x 480 pixels

## WINDSHIELD/EXTERIOR MIRRORS

Heated front, side, and rear windows  
Heated and adjustable exterior mirrors  
Heated windshield wiper blades

## DRIVE

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

## LIGHTING

6 halogen headlights  
2 xenon work lights in front  
2 xenon work lights in the rear  
2 rotating lights, parking lights, turn indicators  
1 spotlight  
1 floodlight on the winch arm

## DRIVING FEATURES

Turning radius 0 (turns its own axis)  
Gradability depending upon snow conditions up to 100%  
Maximum speed standard machine up to 24 km/h  
winch machine up to 20 km/h  
in winch operation up to 16 km/h  
Driving features can be configured individually

## ELECTRICAL SYSTEM

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

## TILLER

POWER TILLER with quick-mount system  
SNOW PROTECTORS  
Optional side wings

## BLADE

12-way with quick-mount system

## WINCH

Drum winch with maximal tractive power of 35 kN  
Hydrostatic drive with closed oil loop  
Automatic management of the winch pulling force - WINCONTROL  
Available cable length up to 1,200 m

## OPTIONAL EQUIPMENT

Front mounted snow blower  
Front bucket  
Front snow blower for halfpipes

Subject to modifications in the course of technological advancement.  
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## TECHNICAL DATA

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