



**RT400**

**THE PROFESSIONAL  
MULCHING SYSTEM**



**Prinoth**

Other sales and service points in your area can be found at [www.ahwi.com](http://www.ahwi.com) or [www.prinoth.com](http://www.prinoth.com)

AHWI Maschinenbau GmbH  
Im Branden 15  
D-88634 Herdwangen  
Tel. +49 (0)7557 9212-0  
Fax +49 (0)7557 9212-92  
[ahwi@prinoth.com](mailto:ahwi@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](mailto:prinoth@prinoth.com)

PRINOTH Ltd. - North American Headquarters  
1001, J.-A.-Bombardier Street  
Granby, Quebec, Canada, J2J 1E9  
Tel. +450 776 3600  
Fax +450 776 3685  
[prinoth.canada@prinoth.com](mailto:prinoth.canada@prinoth.com)

**Prinoth**



## BUILT FOR THE TOUGHEST JOBS IN THE WORLD

Specially developed for the hardest jobs such as heavy clearing, vegetation management on pipelines and power lines, recultivation tasks in professional plantation and forestry management, the RT400 is the perfect combination of power and function. The construction and production of the RT400 are completely "Made in Germany". Down to the last detail, everything has been designed for longevity, service friendliness and high efficiency.

**Pinotti**

## PERFORMANCE 1

The high performance, electronically controlled 6 cylinder Deutz turbodiesel engine with an output of 400 HP develops its maximum torque of 2,000 Nm (1,475.12 ft lb) already at 1,300 rpm. The engine has been low emission certified, meets the exhaust emission standard Euromot 3/Tier 3 and is convincing through its exceptional consumption values.

## COMFORT AND SAFETY 2

In the RT400, the driver sits in a well-protected driver's cab with automatic air conditioning, clearly arranged controls and instruments, pneumatically cushioned seat, CD-radio and beverage cool box. The driver's cab has a ROPS/FOPS safety structure. The rear-mounted forestry protection frame protects the RT400 from branches and falling trees.

## VERSATILITY 3

The RT400 is fitted with robust Category III lifting gear for fast connection and disconnection of attachments such as mulchers, rotorators, biomass harvesters or stump grinders. Dynamic vibration damping for the lifting gear ensures additional comfort and safe working in any type of terrain. A mechanical PTO drive provides power transmission with almost no loss.

## PERFECT BALANCE 4

An optimal centre of gravity position and perfectly tuned undercarriage concept make the RT400 the ideal carrier vehicle for the most difficult terrains. Thanks to its low centre of gravity, it even masters slopes with inclines up to 45 degrees on its own and with full work performance. Absolutely high quality components and the best machining permit operating conditions from 122 °F to 58 °F.



#### UNDERCARRIAGE »

Two separately controlled track sections improve the traction of the RT400 in difficult terrain, reduce torsion of the vehicle frame and so increase ride comfort for the operator. The tracks are tensioned by a grease-filled cylinder, thus enabling a variable track tensioning matched to track status.



#### COOLING »

The cooling system of the RT400 is equipped with the Cleanfix automatic reversible coolant cleaning system. This reduces frequent work interruptions to clean the engine or radiator, lowers diesel consumption and prevents overheating of the engine and hydraulics.



#### ACCESS »

All components of the RT400 that require maintenance are readily accessible. The maintenance flap allows access to the engine cooling, charge air cooler and condenser/capacitor of the air conditioning. A reverse fan ensures contaminants are blown out. The hydraulic driver's cab tilt system permits easy access to the main components of the drive train.

#### ATTACHMENT COUPLING »

The simple mechanical transmission with integrated fluid coupling meets extreme requirements perfectly. The high efficiency of the drive train enables the best work results along with low costs. With the patented drive shaft synchronization at the attachments, the RT400 can transfer its full engine power to attachment even at high lifting heights.

**FROM THE PRACTICE,  
FOR THE PRACTICE**

**Pinotti**





## ENGINE

Manufacturer	Deutz
Model	TCD 2015
Number of cylinders	6
Displacement:	12 l (726.55 in <sup>3</sup> )
Power	300 kW (402.31 hp)
Rotational speed max.	1,900 rpm
Tank capacity	760 l (200.77 gal US)

## ELECTRICAL SYSTEM

Voltage	24 V
Alternator	55 A

## PERFORMANCE AND MANOEUVRABILITY

Maximum speed	5.1 km/h (3.11 mph)
	Stepless forward / reverse
Turning radius	0 m
Ground pressure with mulcher	0.391 kg/cm <sup>2</sup> (5.6 psi)
Vehicle weight with mulcher	6.83 kg/cm <sup>2</sup> (8.68 psi)
	16,000 kg (36,376 lb)
Ground clearance	35,273.96 kg (44,687.70 lb)
	630 mm (25.8 in)

## DRIVER'S CAB

6 work lights  
 Air conditioning  
 Single cab, insulated  
 Tilttable driver's cab  
 Seat belt  
 Adjustable seat with suspension; heated  
 Storage compartment  
 Roof light  
 Front windshield wiper  
 Polycarbonate window driver's cab air filtration  
 certified ROPS/FOPS safety frame for driver's cab

## STANDARD EQUIPMENT

Parking brake: can be activated by button, automatic activation after 5 sec vehicle standstill  
 Parts, service and operating manual  
 Windshield washer system  
 Horn  
 Back-up camera  
 Radio with hands-free equipment  
 Front protective grate and headlamp protection  
 Fire extinguisher  
 2 rear lights  
 Reversible fan on engine radiator

## GEARBOX AND UNDERCARRIAGE

Hydraulic pumps	Bosch Rexroth
Hydraulic motors	Bosch Rexroth
Type	steel link chain
Chain link type	D5H
Endless track width	600 mm (23.62 in)

## CONTROLS

Type	microcontroller with colour display
Input	through joystick or display
Control	readout and error diagnosis via microcontroller
Additional features	error diagnosis, continuous monitoring of all machine functions during operation

## OPTIONAL EQUIPMENT

Engine heating for winter operation  
 Compressor unit  
 Trailer coupling  
 Back-up alarm  
 Reversing camera

## DRIVE FOR ATTACHMENTS

Direct drive via universal joint shaft safeguarded by fluid turbo clutches, can be coupled and uncoupled through V-belt drive

We reserve the right to carry out modifications in the context of continuing technical development.

Deutz® and Bosch Rexroth® are registered trademarks.

**OUTSTANDING PERFORMANCE THROUGH INNOVATIVE TECHNOLOGY**



### PERFECT CONTROLS »

All machine functions of the RT400 are controlled through a CANBUS system. The joysticks of the RT400 offer optimal control over the machine functions and attachments. The colour display of the RT400 displays all engine and vehicle diagnostic information so optimal work efficiency is guaranteed at any time and the driver always has all technical parameters before his eyes.



### TECHNICAL DATA

