

3- and 4-Wheel Compact Planers

PL 500T / PL 500TD

DYNAPAC

Part of the Atlas Copco Group



NEW 

COMPACT RANGE

350 500 600 1000

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Redesigned from the bottom up!

Dynapac continuously enhances its compact planer program. The result of our efforts is a new generation of compact planers with a 500 mm working width. Here, the new models PL 500T and PL 500TD stand out because of their higher output and markedly improved operating comfort, compared to the preceding models.

Special attention was paid to the ergonomics of the operator's work area. As a result, the reduced vibration of the driver's platform and a control panel that is tilted toward the driver offer fatigue-free operation, easy handling, a good circumferential view and an unobstructed view of the cutting edge.

A true power package

The PL 500T, with its 82 kW Cummins engine (110 hp / 112 PS) and reliably-operating hydraulic drum drive, is designed for powerful cutting up to a depth of 16 cm. If a deeper cut is required, the PL 500 TD will be the right choice: With an increased engine capacity of 97 kW (130 hp / 132 PS), as well as a belt drive that operates with almost no power loss, it achieves a cutting depth of max. 20 cm!

Thus, the PL 500T is the ideal compact planer for road construction. Milling services providers, in turn, will value the additional power reserves of the TD variant model.

Diversity of configurations

Thanks to their consistent modular design, both models can now be operated in a simpler and more uniform manner. Even maintenance and service can now be conducted without difficulty.

This concept is enhanced by the large number of configuration possibilities and options. For example, in addition to the 3- or 4-wheel version with patented parallelogram front axle, you can choose from other options and alternatives such as short or long conveyors and a weather-proof canopy. In this manner, the Dynapac compact planer can be tailored exactly toward your work requirements and desires.



Your Seat is Reserved!

Compact planers with 500 mm working widths are ideally used for repair and connection milling projects.

The free cutting of manhole covers, demarcation work with fine cutting drums or trenching projects complement the wide spectrum of use of this machine class.

Thanks to their compact dimensions and very good mobility, the Dynapac models provide smooth operation during daily use. Even their maneuverability in cramped construction sites is

quite efficient, it does not get caught in tight corners!

The newly-conceived PL 500T and PL 500TD models, which were built from the bottom up, are natural enhancements to their predecessors. The objectives of the redesigns were to improve the view of the cutting edge, to significantly increase user friendliness, and to guarantee increased output potential with higher reliability. All this was accomplished without any objections.

Sustainability

Thanks to known features such as automatic control of conveyor and the water and the water spray system, which are also present in other Dynapac planers, resources are conserved in a sustained manner. As a result, filling intervals for the water tank have been considerably extended. Both compact planers are operated by Cummins diesel engines

that meet exhaust regulations EU 3A. In addition, their electronic load limit sensors prevent an overload of the diesel engine and always provide for an optimally-adapted output. Additionally, it has been possible to dramatically reduce noise emissions using intelligent solutions.

Dynapac Leveling System

The completely newly-developed electronic levelling regulation offers everything that the planer driver would expect. In addition to a clearer and simpler menu navigation, all four values (target/actual/left/right) are shown in the easy-to-read display.



Dynapac Quick-Change Drum System

In both compact planers, each of the cutting drums can be quickly and easily exchanged thanks to the wide-opening side cover of the cutter housing. Fine cutting drums and demarcation drums are available. Of special interest to companies that use both types of models is the fact the drums can be interchangeable with use of an adapter plate. This provides extra flexibility and reduced costs.





4-Wheel Version

Dynapac's optional 4-wheel variant with patented parallelogram front axle offers significant advantages. Unbeatable pluses are the reduction of wear on tire surfaces when it comes to height offset together with considerably improved traction and steering precision.



3-Wheel Version

As with the PL 350T, we have also placed an emphasis on outstanding maneuverability and easy handling in the 3-wheel version of the PL 500T/TD models. This is achieved through hydraulic steering via a servo motor.

A total steering angle of 123° allows not only for fine cutting of manhole covers in one single motion, but also for mobility in all directions, which is of great advantage particularly in inner-city construction sites.



Intelligent Solution on the Left Side Shield

On the PL 500TD, thanks to the newly-developed lamellar type packing, the left side shield fits to the cutter housing in an optimal way. The result can be clearly observed: when working with a levelling system in particular, it is possible to perform very precise work thanks to reduced material emission through the unavoidable transmission opening.



Newly-developed Downholder



Thanks to the patent-pending, hydraulically-operated downholder, the shape of which was adapted to the cutting drum, considerably less cutting material remains in front of the drums. In addition, the accumulation of soil is effectively prevented! The result of this option is markedly-reduced cleaning times after cutting.



Comfort & Operating Concept

As with all planers, an unobstructed view of the cutting edge is essential. With the newly-developed Dynapac compact planers, the view of the cutting edge was once again improved significantly, compared to the preceding models.

The circumferential view has also been optimized thanks to the redesign of the water tank in front and of a lower conveyor design in back. The extensive ergonomics package also includes other smart solutions. For example, the most important cutting functions can be easily set at the operator's dashboard to the left of the driver, prior to starting work. During cutting, the planer can be intuitively operated with a joystick and switches which can be perfectly reached with the right hand. Besides this, the complete driver's platform has been isolated from any technical vibrations in order to reduce vibrations for

the planer operator to an absolute minimum. Additional details such as floor heating, drink and spray can holders, as well as an "cool box" integrated into the water tank, make the models user-friendly all around.

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Equipment

PL 500T

PL 500TD

Equipment	PL 500T	PL 500TD
Working width	500 mm	500 mm
Cutting depth	160 mm	200 mm
Engine emissions according to	EU 3a	EU 3a
Noise reduction in engine compartment	●	●
Drum transmission	hydraulic	mechanical
C 10 HD, welded bit holder	●	●
KPF 201 bit holder system	○	○
Fine cutting drums	○	○
Cutting wheel	○*	○*
Drum exchange system with 2-part scraper	○*	○*
3-wheel version	●	●
4-wheel version	○	○
Traction control via oil flow divider	●	●
Light for operator's console e.g. for evening work	●	●
Stable cover for operator consoles	●	●
Driving functions integrated into right armrest	●	●
Ergonomic driver seat	●	●
Vibration-reduced driver's platform	●	●
Height-adjustable steering wheel	●	●
Short rear conveyor	○	○
Long rear conveyor	○	○
Adjustable belt speed	●	●
Automatic mode for conveyor system	●	●
Hydraulic quick-release fasteners at conveyor	●	●
Plastic water tank	●	●
Water spray system for cutting area	●	●
Automatic mode for water system	●	●
Weather-proof canopy	○	○
Hydraulically-foldable right rear leg	○	○
Hydraulically-adjustable downholder	○	○
Hydraulically-activated side shields	●	●
Mechanical cutting depth display	●	●
Electronic levelling system	○	○
Slope sensor	○	○
Sonic ski	○	○
Lockable tool compartment	●	●
Lockable compartment for bit box	●	●
Light package for night work	●	●
StVZO lighting	○	○
Cleaning kit with hose and valve	○	○
Comprehensive safety package	●	●
Special painting	○	○

cess to all the most important functions is guaranteed. In this manner, for example, access to the important drum transmission was significantly improved by simply folding-up of the ascent ladder. Robust and easily closing hoods protect the operating elements from vandalism, and the very good accessibility to the entire water system considerably facilitates work on the construction site.

● Standard ○ Optional * Available soon



Dynapac is so much more than just equipment. When our machines are distributed, we include a whole concept of service with original parts, support and organized know-how, covering all the needs in the entire field of compaction and paving – on every continent. We have cut down on response times and increased availability, reliability and distribution speed. For optimum quality, the same engineer who designed the original

machine also looked after the parts. We have a row of service points around the globe to provide peace of mind. Through the internet, our service points have documentation and parts availability information, updated minute by minute. We have developed a complete international network, always ready to offer support and assist with parts and service in order to maintain the highest product quality.

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We reserve the right to change specifications without notice. Photos and illustrations do not always show standard versions of machines.

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