





THE METHOR The definition of flexibility.

With the Methor, Doppstadt takes a new approach! It is the first shredder that we have designed for processing several materials containing very different waste fractions (e.g. wood, commercial waste, green waste as well as construction and demolition waste). At the same time, it includes all the advantages of our larger shredders, offering the uncompromising quality of Doppstadt's high-performance technology.

Processing small volumes efficiently is a had to handle small volumes, particular batches or materials that change fre-

quently will agree. At Doppstadt, we have made it our task to deliver a solution. The result is the Methor: a shredder that has been developed from scratch and which single-shaft shredder in the world - without is distinguished by:

- maximum flexibility
- reliable performance
- good resistance against extraneous material
- easy to use

RESPONDING FLEXIBLY. TO EVERY TASK This ensures that you are well equipped for tasks that were previously very difficult, if real challenge. Anyone who generally has not impossible, for professional shredding

RETHINKING SHREDDING PRACTICES

The objective pursued while designing the Methor was to develop the most flexible compromising improved uptime, resistance to wear or even performance! That is why we have redesigned the entire system concept. Starting with the horizontally installed shredding shaft and a much simplified material feed and discharge system through to HydraulicDirect Drive system, which delivers an ideally metered output without gearbox. The result is a machine that is equally well suited for all conceivable applications in the waste disposal and recycling industries. For small to medium-sized companies as well as operations that do not typically have their own shredder yet, the Methor ensures efficiency and flexibility for economically shredding, even special batches, for instance.

SIMPLY A SMARTER SETUP

Its modular design makes a decisive contribution to the Methor's flexibility. Every machine is literally built on the basis of a modular system: As core component, the shredding system is the only component that is the same in every unit. By changing the shaft, the system can be retrofitted to four different tooth sizes within 60 minutes. Everything else, from drive system to carrier version as hook lift arrangement or with tracks, can be customized to suit your individual requirements and equipped with precisely engineered options. In other words, the Methor demonstrates maximum adaptability, even in terms of site of use.

THIS IS DOPPSTADT.

The family owned business Doppstadt

MACHINE DETAILS



OPERATING CONCEPT

The Methor has an intuitive control panel, the core functions of which can also be implemented via a wireless remote control. The system can also be used to set up a WiFi hotspot, allowing it to be monitored and evaluated using any browser installed on an internet-enabled device.



SMART HOPPER

Large feed area with tipping hopper.

Material feed is controlled automatically in relation to the load of the shredding shaft.

In conjunction with the hydraulic drive, it allows a shredding with an optimal load torque curve and corresponding efficiency.



HYDRAULICDIRECT DRIVE

This fully hydraulic drive delivers an optimum torque to the shaft and allows the implementation of any engine. The system utilizes the hydraulic pump's intelligent control system to flexibly respond to any blockage.



OPTION: HEIGHT-ADJUST-ABLE OVERBELT MAGNET

Its angle is adjusted hydraulically or with the aid of threaded rods, it can also remain in the transport position of the machine's belt.



FLUENT PROCESS

To ensure outstanding process reliability, input materials are shredded and discharged in the belt's direction of conveyance. The shredding compartment is designed in such a way that it operates with a conveyor belt without an articulated and under belt. That also simplifies assembly and disassembly.



COOLING CONCEPT

The hydraulic unit has its own cooling system, which is independent of the drive system. The fan is driven hydraulically. It is designed for a maximum blockage (obstruction) of up to 50 % of the area and its rotational speed is regulated in relation to the system's temperature. As a result, it can be used at an ambient temperature of up to 48 °C.





SHAFT DRIVE AND SUPPORT

The shaft is driven by slow speed radial piston pumps with high torque. They achieve a high degree of efficiency and minimal loss of power without requiring a gearbox. The shaft is supported by truck tires, which also allows for a quick switchover (approx. 60 minutes).



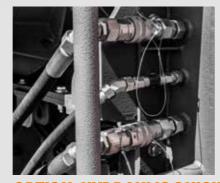
OPTION: AUXILIARY CHASSIS & DRAWBAR

For the mobile hook lift Methor, there is an auxiliary chassis available with rugged solid rubber tires and drawbar. That makes it easy to move the machine around on site by lifting it up via hydraulic rams.



EASY ACCESS CONCEPT

All drive and hydraulic components are optimally ventilated and can be easily ground accessed via the large door panels.



OPTION: HYDRAULIC QUICK COUPLERS

For a quick and leak-free removal of the shaft, the Methor can be equipped with hydraulic quick couplers that can be released without tools.



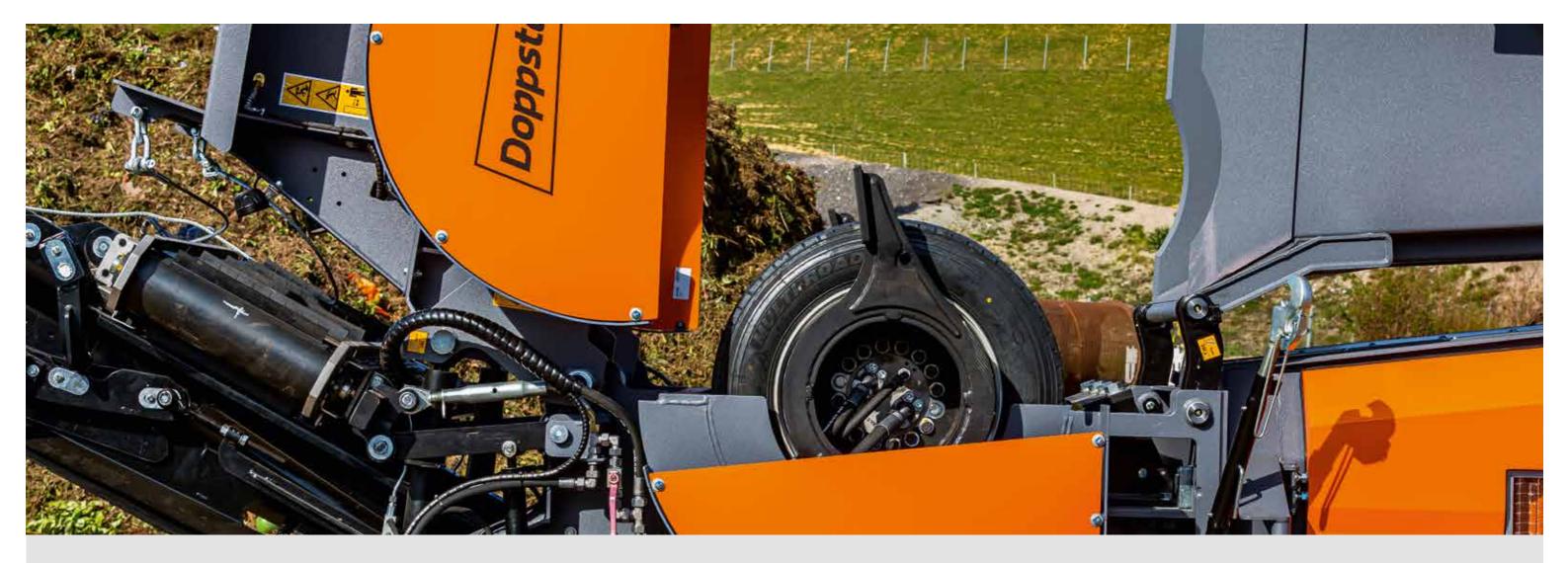
SHAFT DESIGN

The shafts utilize our tried-and-tested Dopp-Lock® system and are designed with emphasis placed on cost and weight optimization. The shredding shafts are available with tooth sizes XL, L, M and S.



ary system. While it is factory-equipped with a diesel engine or an electric motor, it is also possible to integrate any other drive.





THE HYDRAULICDIRECT DRIVE

Delivers the power you need.

The Methor's drive train is just as important as the shredding system. The innovative HydraulicDirect Drive ensures that operation is flexible, powerful and efficient. At the same time, it allows the system to guickly respond to extraneous material, via the feed hopper. thus protecting itself.

CONTROLLED POWER

The HydraulicDirect Drive transfers the torque to the shredding shaft via two radial piston pumps without a gearbox. As a result, the shaft can be operated at increases, the pump switches to reverse. drive from damage.

Doing so continuously optimizes the load torque on the drive, which has a positive The Methor's control system communicates

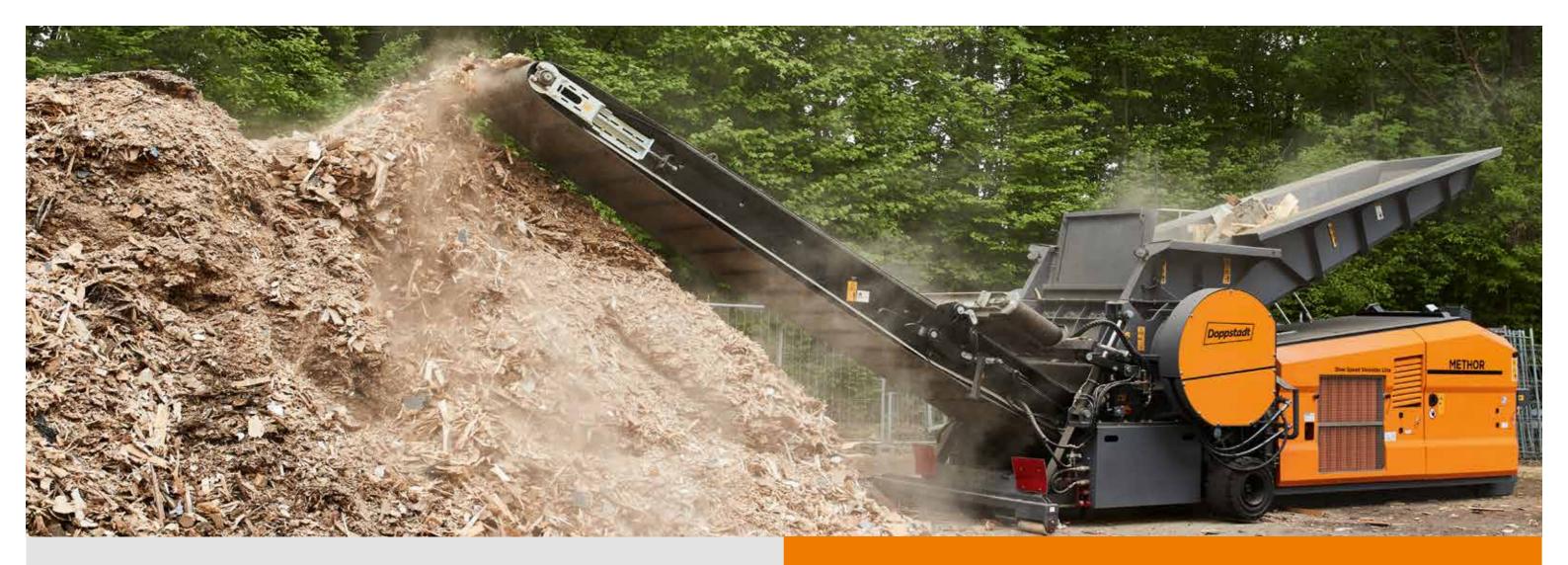
If there is extraneous material blocking the cally switches via neutral to reverse without the drive's speed. delay. After briefly running in reverse, it switches back again to the direction of up to 34 revolutions per minute and a operation. If pressure builds up again, it torque of 75,200 Nm. Control is handled will reverse for a longer period. That is how proportionally via the pump pressure: the system automatically overcomes any If the load on the shredder mechanism obstructions or blockage and protects the

CONNECTED IN EVERY RESPECT

impact on consumption and wear and exclusively with the hydraulic pump, which tear. In addition, pump pressure is also is equipped with speed and pressure senused to regulate the supply of material sors. As a result of the system design, the Methor may also be easily integrated into existing operational processes. Of course, **RESPONDING QUICKLY TO RESISTANCE** the main drive of systems with factory-installed engines can also be started using shredding mechanism, the pump automati- the control system, which will also regulate



SMART PARTNER FOR COMBINING.



SIMPLY WELL-DESIGNEDThe Methor takes care of all your needs.

The Methor's uniquely flexible and powerful machine concept opens up a wide variety of possible application areas: It is also suited for **container services**, which are dealing with shredding for the first time. Even **smaller recycling facilities** can benefit from utilizing the Methor, for instance, in combination with screening and air-based separation systems, rolling out a full-fledged, mobile processing system.

For **smaller sites**, it ensures efficiency and flexibility in processing many different materials. After all, it can be incorporated into more complex systems or implemented specifically to reduce the load on the main machine during peak hours. Its mobility also allows it to be used as a

standby solution that can be moved to a site whenever operations require it.

Thanks to the Methor's **extremely rugged design**, it is not picky in terms of the materials that it can process:

- construction and demolition waste
- waste wood
- commercial and industrial waste
- green waste

With the corresponding equipment, it can even handle ropes from paper and plastic production as well as shred rolls or rolled goods, mattresses and recycling bags.

The Methor shows its true potential when it is working: It is designed for maximum durability and operational reliability. The formula for smooth, trouble-free operation involves rugged components, an intuitive operating concept, a drive system that quickly responds to obstructions and easy access to all areas where maintenance is important.

Which one is your Methor? We will be glad to advise you!

One of the major advantages offered by the Methor is its well-thought-out **modular design**. That ensures the Methor can be precisely adapted to your requirements.

CARRIER OPTIONS:

he Methor is available as hook lift nachine or on tracks. There is also a version available for stationary installation, which only includes the shredder with feed hopper.

DRIVE SYSTEMS:

Both a diesel engine with 205 kW and an electric motor with 200 kW are available by default as primary drive units.

The hydraulic drive is also equipped with speed and pressure sensors. That also enables you to operate the Methor's Hydraulic Direct Drive using other external engines.

SHREDDING SHAFT:

make sure that the Methor's shredding system can be precisely adapted to the material to be processed.

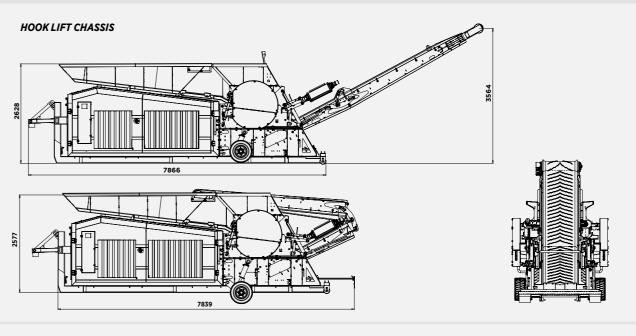
CONTACT US!

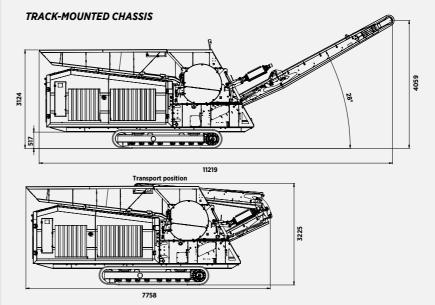
To make the Methor the right shredding solution for your requirements, we would be very happy to advise you! Contact your local Doppstadt sales partner. You can find one under Contact at doppstadt.de.

TECHNICAL SPECIFICATIONS

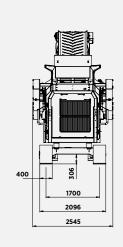
METHOR	HOOK LIFT CHASSIS	TRACK-MOUNTED CHASSIS	
Overall weight	13,400 kg	15,700 kg	
Chassis	Hook lift	Track-mounted	
Drive	Diesel engine	Diesel engine	
Туре	Caterpillar C 7.1	Caterpillar C 7.1	
Nominal output	205 kW/278 HP	205 kW/278 HP	
Emission standard	STAGE V	STAGE V	
Cubic capacity	7.1 L	7.1 L	
Fuel tank capacity	300 L	300 L	
Shaft diameter	600 mm for XL/L, 800 mm for M/S	600 mm for XL/L, 800 mm for M/S	
Shaft speed	max. 33 rpm	max. 33 rpm	
Rear belt width	1,000 mm	1,000 mm	
Rear belt length	6,900 mm	6,900 mm	
Discharge height	3,564 mm	4,059 mm	
Conveying speed	adjustable 1 m/s to 4 m/s	adjustable 1 m/s to 4 m/s	
Optional equipment	Water spraying system, work lighting, Electric hydraulic pump, auxiliary hydraulic shredder packages Size XL, L, M or S, fire extinguisher, overbelt magnet, drawbar, auxiliary chassis	Water spraying system, work lighting, Electric hydraulic pump, shredder packages Size XL, L, M or S, fire extinguisher, overbelt magnet	





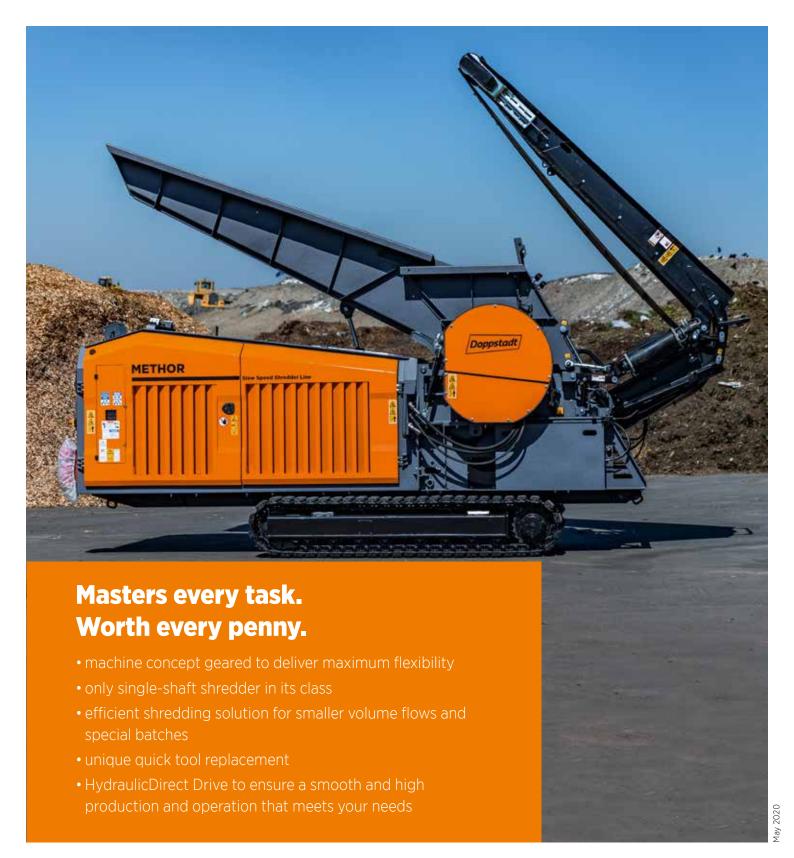


SHREDDING PACKAGES



PACKAGE SIZE XL (600) SIZE L (600) SIZE M (800) SIZE S (800)

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Туре	Shredding shaft with 6 teeth	Shredding shaft with 8 teeth	Shredding shaft with 26 teeth	Shredding shaft with 36 teeth
Diameter	600 mm	600 mm	800 mm	800 mm
Tooth length	170 mm	174 mm	100 mm	60 mm





Stevens Group hold exclusive distributor rights of Doppstadt in New Zealand

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