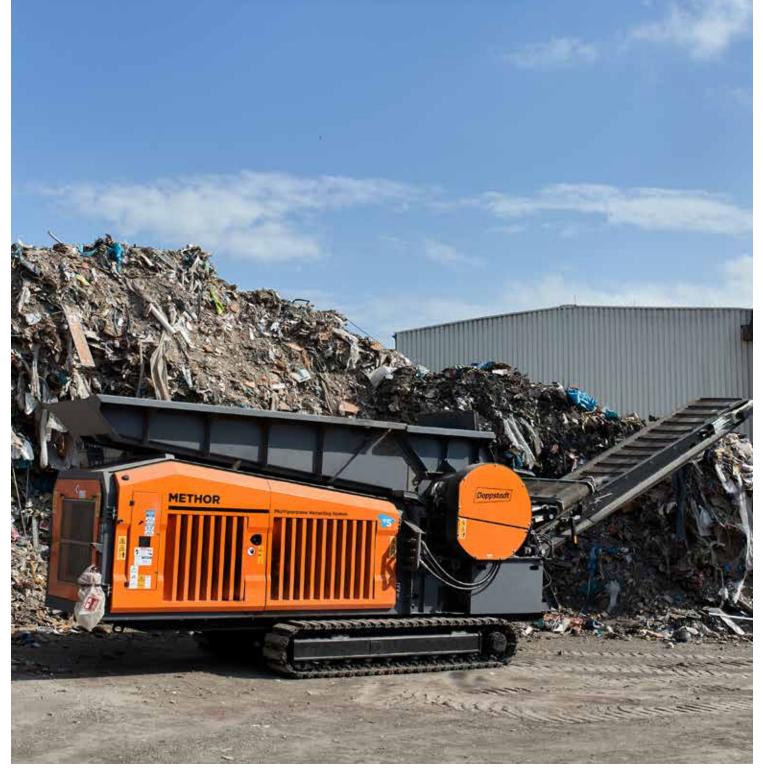


METHOR

MULTIPURPOSE RECYCLING SYSTEM I



Best Solution. Smart Recycling.

doppstadt.com



METHOR - THE MULTITOOL Versatility in a new dimension.

Ideally adaptable, the Methor delivers by far the most versatile range of uses in its class. Operations with smaller volume flows as well as users with special fractions of our larger series, offering the uncomwill benefit both from the machine's precisely controllable, efficient performance, and its ability to convert the obstruction-resistant shredding to changing material quickly and as needed.

UNIVERSAL RECYCLING SYSTEM -HANDLES WHATEVER COMESITS WAY

With the Methor, Doppstadt takes a new approach. As a universal shredding system for smaller quantities and frequently changing applications, it is designed and geared to handle a wide variety of waste fractions, such as commercial waste, con- batches or materials that change frequent-

promising quality of Doppstadt's high-performance technology.

FLEXIBLY. TO EVERY TASK

As an optimally adaptable system, Methor offers smart operability, easy-to-perform maintenance, a modular design as well as many upgrade options, ensuring that it can be easily adapted and configured to changing material flows in the future. Processing small volumes efficiently is a not impossible, for professional shredding real challenge. Anyone who generally has solutions to handle. had to handle small guantities, particular

struction waste, mattresses, bio waste as ly will agree. At Doppstadt, we have made well as waste wood or green waste. At the it our task to deliver a solution. The result same time, it includes all the advantages is the Methor: a versatile shredding system that has been developed from scratch and which is distinguished by:

- Ideal adaptability
- Maximum versatility
- Rugged optimum resistance to obstructions
- Easy to use

This ensures that you are well equipped for tasks that were previously very difficult, if

RETHINKING SHREDDING PRACTICES

The objective was to develop a shredder without compromising versatility, availability or resilience to wear and tear. That is why we have redesigned the entire Its modular design makes a decisive consystem concept.

shredding shaft and a much simplified material feed and discharge system through delivers an ideally metered performance without gearbox. The result is a machine that is equally well suited for all conceivable applications in the waste disposal and recycling industries.

well as operations that typically do not have their own shredder yet, the Methor ensures

efficiency and flexibility for economically shredding, even special batches, for instance.

SIMPLY A SMARTER SETUP

tribution to the Methor's flexibility. Every Starting with the perpendicularly installed machine is literally built on the basis of a modular system: The shredding system forms the core component that is the same to HydraulicDirect Drive system, which in every unit. By changing the shaft, the system can be retrofitted to three different tooth sizes within 45 minutes. Everything else, from the self-propelled to the attached variant, on hook-lift or tracked chassis, can be customized to suit For small to medium-sized enterprises as your individual requirements and equipped with precisely engineered options.

THIS IS DOPPSTADT.

MACHINE DETAILS



OPE **ATING 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.



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.



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 with the aid of the hydraulic cylinder



SMART HOPPER

Large feed area with feed 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.

EASY ACCESS CONCEPT

All drive and hydraulic components are

optimally ventilated and can be easily

accessed via the large door panels.



HYDRAULICDIRECT DRIVE

A 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: HYDRAULIC QUICK

For a quick and leak-free removal of the

roller, the Methor can be equipped with

hydraulic quick couplers that can be

COUPLINGS

released without tools.



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.

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

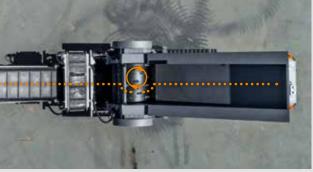






SHAFT DESIGN

The shaft utilize our tried-and-tested Dopp-Lock® system and are designed with attention placed on cost and weight optimization. The shredding shafts are available in the sizes L, M and S. The spacing between the comb bar and shaft can be adjusted.



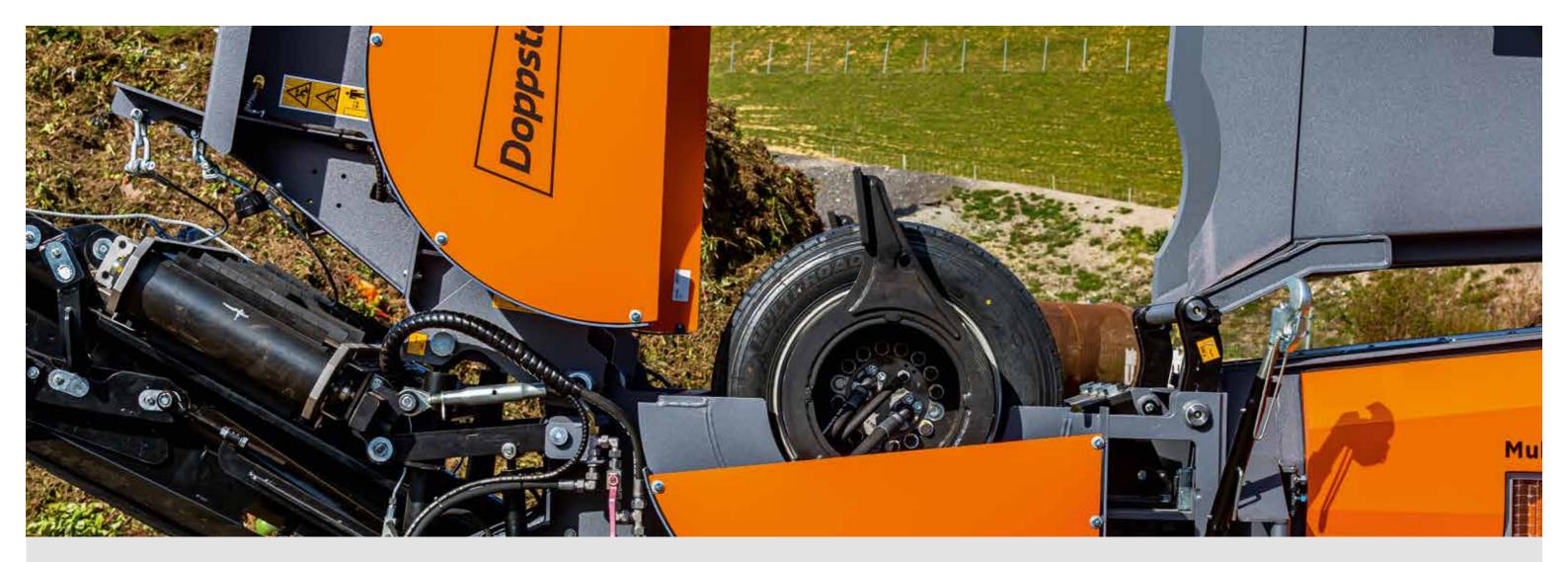
FLUENT PROCESS



SHAFT DRIVE AND SUPPORT

The shaft is driven by slow speed radial piston motors with high torque. They achieve a high degree of efficiency and minimal loss of power without requiring a gearbox. The drum is supported by truck tires, which also allows for a quick switchover (approx. 45 minutes).

MODULAR DESIGN



THE HYDRAULICDIRECT DRIVE Delivers the power and ruggedness you need to overcome obstructions.

The Methor's powertrain 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 quickly respond to obstructions, thus protecting itself.

CONTROLLED POWER

The HydraulicDirect Drive transfers the driving power to the shredding shaft via two radial piston motors without a gearbox. As a result, the shaft can be operated at up to 34 revolutions per minute and a torque of 75,200 Nm. Control is handled proportionally via the pump pressure: If the load on the shredder mechanism

increases, the pump swiivels back. Doing so continuously optimizes the load torque on the drive, which has a positive impact on consumption and wear and tear. In addition, pump pressure is also used to regulate the supply of material via the feed hopper.

RESPONDING QUICKLY TO RESISTANCE

If there are obstructions blocking the shredder mechanism, the pump automatically switches via neutral to reverse without delay. After briefly running in reverse, it switches back again to the direction of operation. If pressure builds up again, it will reverse for a longer period. That is how the system automatically overcomes any obstructions or blockage and protects the drive from damage.

CONNECTED IN EVERY RESPECT

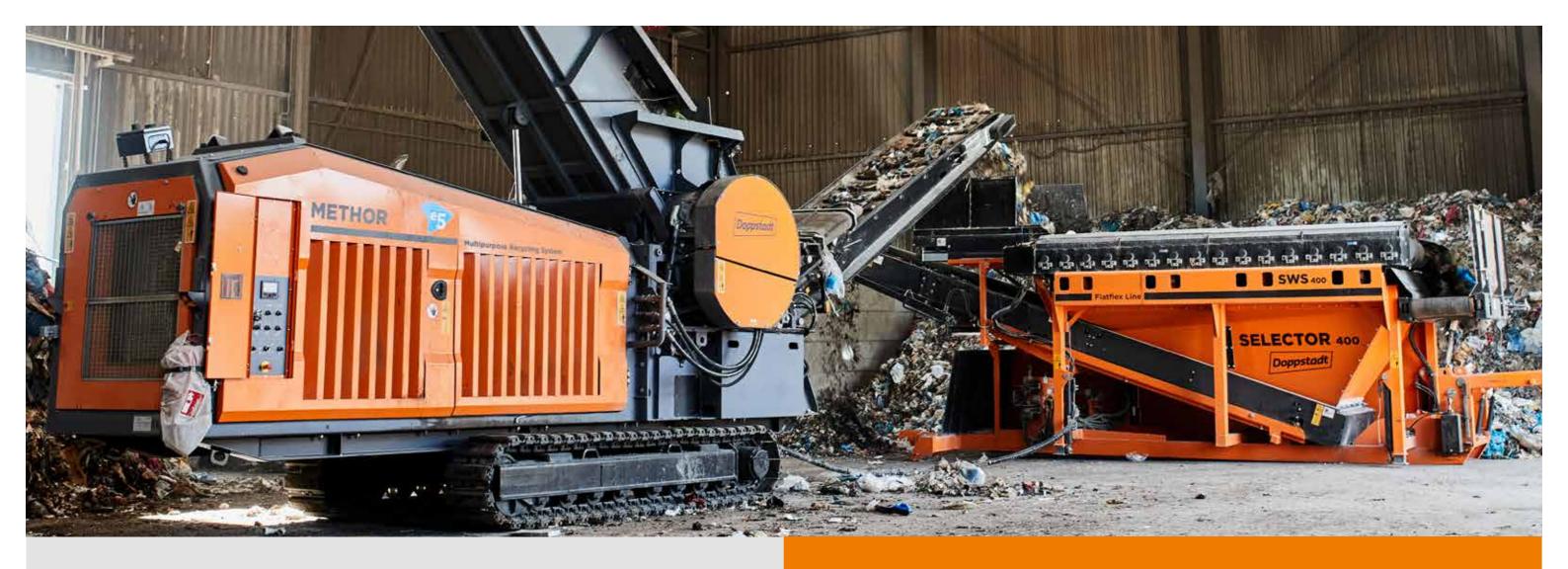
The Methor's control system communicates exclusively with the hydraulic pump, which is equipped with speed and pressure sensors. As a result of the system design, the Methor may also be easily integrated into existing operational processes. Of course, the main drive of systems with factory-installed engines can also be started using the control system, which will also regulate the drive's speed.

SMART PRODUCT COMBINATION Mobile modular system concepts from Doppstadt.



The Methor is ideally suited for setting up high-performance mobile process chains when combined with other Smart Solutions from Doppstadt.

Based on material throughput, Methor can be optimally combined, e.g., with the 518 Flex drum screening machine or the Selector 400 with SWS spiral shaft screening deck.



THE METHOR IS ONE FOR ALL No other system offers such a broad range of uses.

JUST CANNOT BE STOPPED

Be it bag opening, dosing, feeding, crushing, cutting or fractionizing - Methor offers extreme ruggedness, imperviousness to the obstructions and the broadest range of uses in its class. 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 secondary and

particular 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.

INDESTRUCTIBLE, EVEN UNDER THE **MOST ADVERSE CONDITIONS**

Thanks to its extremely rugged design, the Methor is not picky in terms of the materials that it can process, even when operating under the most adverse conditions:

- Commercial waste
- Construction and demolition waste

- Mattresses Building rubble
- Biowaste
- Bulky waste

Glass panes

• Foils / webs

With the corresponding equipment, it can even handle pulper ropes from paper and plastic production as well as shred rolls or rolled goods, light scrap and tearing open 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 an 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

DRIVE SYSTEMS:

CARRIER VARIATIONS:

CONTACT US!

SHREDDING SYSTEM:



















RIOWASTE













THE SHREDDING CONCEPT Our recommendation: The perfect solution for every use

precisely matched tools to achieve op- shaft, shredding tools and comb bar. timum results.

There is a large selection of shredder packages available for the Methor, which can be combined respectively

requirements.

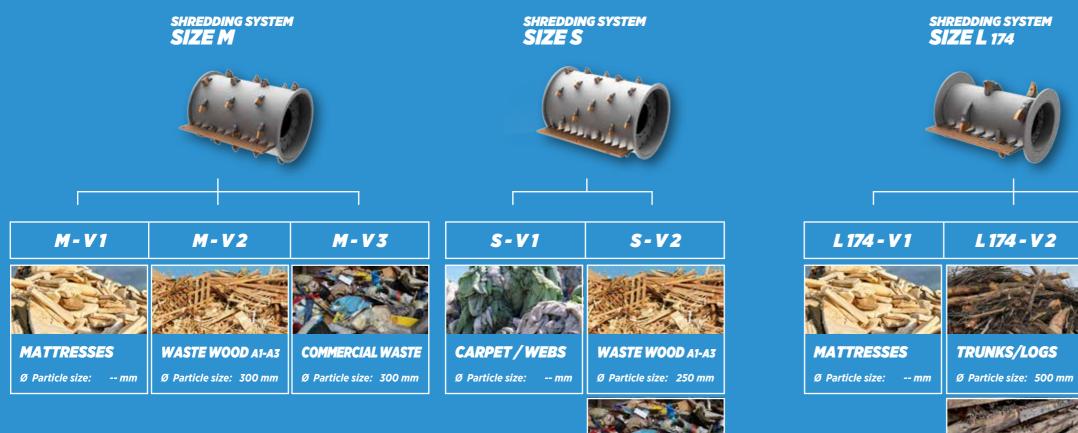
A wide variety of materials require for with individual components such as the Based on extensive testing and our practical experience, we would like to provide If your source material should change you with an overview of equipment options later on, the Methor can be easily and that we recommend for specific materials guickly adapted to meet your subsequent to be processed:

	ITOOL
Versatility in a new dimension.	

WASTE WOOD A4

Ø Particle size: 500 mm

COMMERCIAL WASTE Ø Particle size: 500 mm





Ø Particle size: 250 mm

UNIVERSAL RECYCLING SYSTEM





SHREDDING SYSTEM **SIZE L** 130







WASTE WOOD A1-A3 Ø Particle size: 500 mm

L 130-U 1



TECHNICAL SPECIFICATIONS



HOOK LIFT CHASSIS

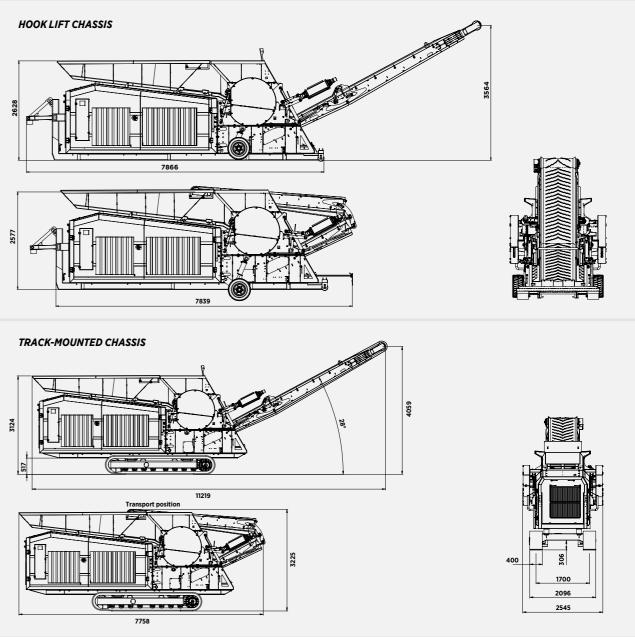
METHOR

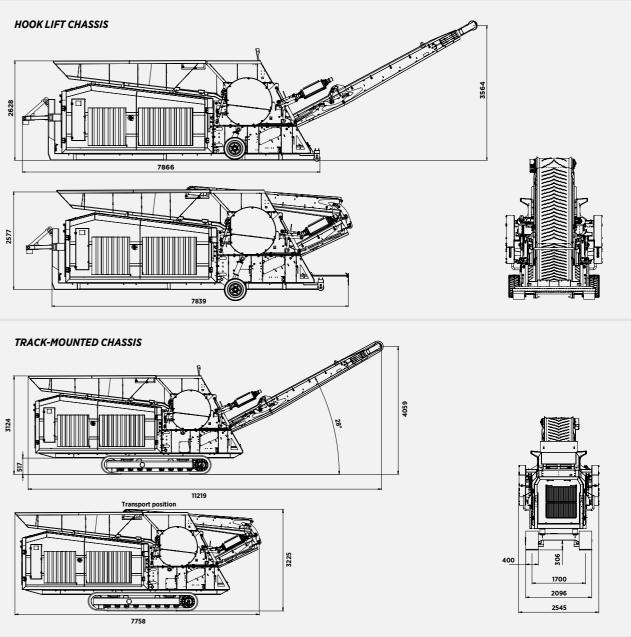


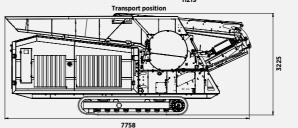
TRACK-MOUNTED CHASSIS

Overall weight	13,400 kg	15,700 kg	
Chassis	Hook lift	Track-mounted chassis	
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	All dimensions shown in mm. The information
Cubic capacity	7.1 L	7.1 L	shov
Fuel tank capacity	300 L	300 L	sions
Shaft diameter	600 mm for L, 800 mm for M/S	600 mm for L, 800 mm for M/S	
Shaft speed	33 rpm		
Rear belt width	1,000 mm	1,000 mm	
Rear belt length	6,900 mm	1,000 mm 6,900 mm 4,059 mm adjustable 1 m/s to 4 m/s	
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 L, M or S, fire extinguishers, overbelt magnet, drawbar, auxiliary chassis	Water spraying system,, work lighting, Electric hydraulic pump, shredder packages size L, M or S, fire extinguishers, overbelt magnet	









SHREDDING PACKAGES					
PACKAGE	SIZE L (600)	SIZE M (800)	SIZE S (800)		
	<u>Cinio</u>	6110	(in the formation of the second seco		
Туре	Shredding shaft with 8 teeth	Shredding shaft with 26 teeth	Shredding shaft with 36 teeth		
Diameter	600 mm	800 mm	800 mm		
Tooth length	174 or 130 mm	100 mm	60 mm		
Comb bar	Selectable for all sizes according to input materials (Note: see recommendations on pp. 12/13)				



Masters every task. Worth every penny.

- System designed for maximum adaptability and versatility
- Only single-shaft shredder with the broadest range of uses in its class
- Efficient universal shredding solution for smaller volume flows and special batches
- Unique quick tool replacement with optimum accessibility
- HydraulicDirect Drive for ensuring obstruction-resistant output and operation that meets your needs



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