

**Waste Pre-Shredders from Metso Waste Recycling**  
M&J PreShred 4000M trailer



– Sets new standards in handling all kinds of waste







## Mobile waste shredder from Metso makes light work of heavy waste

M&J's PreShred 4000M trailer version makes it easier than ever before to process all kinds of waste in almost any location. It has been designed to deliver improved performance and increased efficiency and meets the latest demands concerning emission.



It features all the robustness and strength you'd expect from a M&J PreShredder, with the added benefits of being easier to operate, more efficient to run and easier to service, all of which helps to reduce running costs.

Metso Waste Recycling shredding technology is based on an extremely aggressive knife design and open cutting table, which provides outstanding performance when dealing with mixed and challenging materials. These key features make M&J PreShred units extremely resistant to wear caused by un-shredable materials; like solid steel, reinforced concrete and rocks.





CABLE DRUMS



MATTRESSES



CARPETS

## Advanced technology

The M&J PreShred 4000 is a large waste shredder capable of effectively and reliably shredding virtually any type of material. This waste shredder is designed to meet the special needs of plants in which the incoming material varies greatly in terms of size and composition and can contain unknown quantities of steel, stones, and concrete. Examples include transfer stations, landfill, and large hazardous waste plants with challenging inputs such as household waste, bulky waste, construction and demolition waste, chemical waste, industrial waste, tree stumps, carpets, mattresses, railway sleepers and refrigerators, as well as waste bales.

Throughput can be as high as 100 tons/hour, depending on the type of input, the number of knives specified for the cutting table, and the loading procedure. The interaction between the rotating knives running asynchronously and in both directions ensures that the input material is constantly in motion, thus preventing bridging and providing maximum shredding capacity.

*Speed of the conveyor belt to be precisely adjusted to suit the waste being processed*



*Ladder mounted at cutting table for easier service*

*Easier and more efficient to operate - larger hopper*



*Good access to conveyor rollers for easy cleaning and maintenance*

*Remote control easy and intuitive to use*







*Spacious power pack for easy service access*



*User friendly touch-screen with colour display offering simple and easy operation and diagnostics*

*Extremely aggressive knife design and open cutting table*

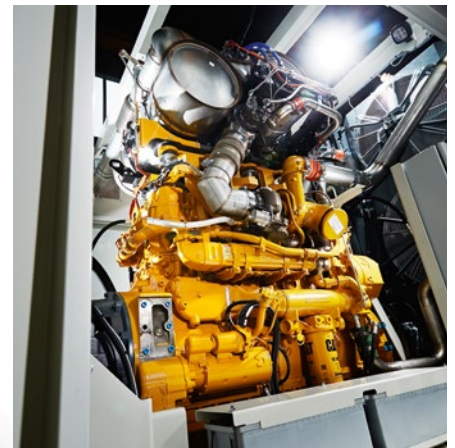


*Each cooling unit can be operated separately; further improving energy efficiency*

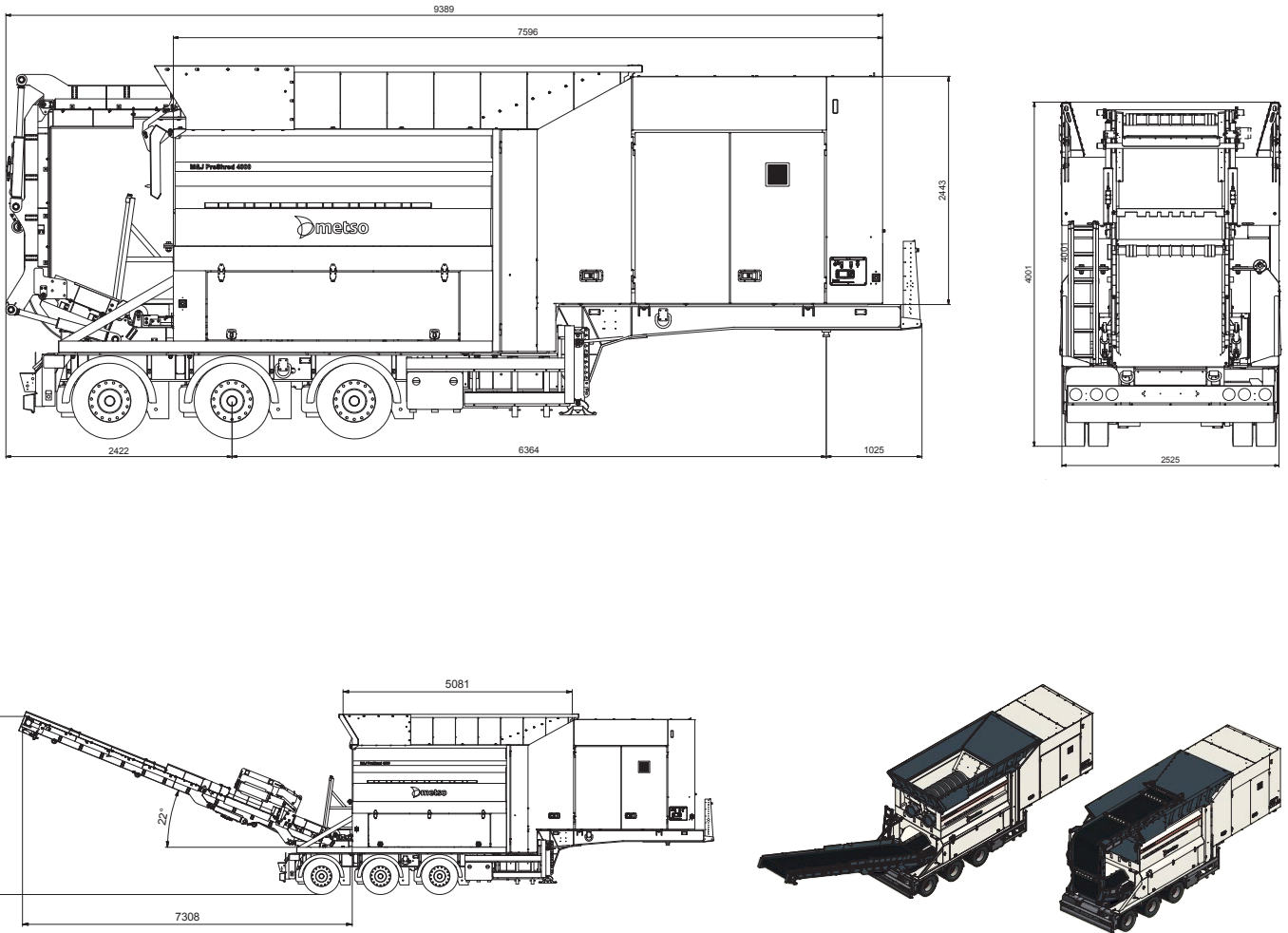
*Two position of King pin more flexible to different trailers*

*Operational in temperatures up to 45°C, increasing the range of use*

*Cat C15 Tier 4 Final, 540 HP to full fill the emission standards in the USA and Europe. Also available in Tier 3 for other geographical areas*



# M&J PreShred 4000M trailer version



M&J PreShredder 4000M features asynchronous bi-directional shredding technology, which reduces wear and keeps waste constantly moving in a consistent flow. The M&J double hydrostatic drive is extremely reliable under heavy loads and shocks, and all knives and exposed cutting table components are made of Hardox 500 wear-resistant steel for less wear and less downtime. A central lubricating system is standard on all machines, and intelligent shredding routines automatically adapt to processed material characteristics.

M&J PreShredders perform under the toughest conditions all around the world, and are commonly found in Waste Transfer stations, Landfills, Composting plants, Wood recycling plants, Waste recycling plants and Waste service providers.

**SPECIFICATION**

Overall dimensions with std hopper (LxWxH)	mm	9796 x 2525 x 3991
Weight (total included standard conveyor)	ton	30
Standard color	RAL	7011, 9002
Loading height (with standard hopper)	mm	4001
Cutting area	mm	2420 x 2000

**POWER PACK**

Diesel motor	kW	403 CAT C15
Electric control unit		Danfoss PLUS*1
Drive principle		Double hydrostatic transmission
Fuel consumption – Average	l/hour	60

**CHASSIS**

Standard belt conveyor (L x W)	mm	10250 x 1200
Discharge height	mm	3942

**CUTTING TABLE**

Number of shafts		2
Rotating speed*	rpm	16-41 / 27-56
Number of knives		6 / 8 / 9 / 10 / 12
Number of counter knives		12 / 16 / 18 / 20 / 24
Cutting area (L x W)	mm	2420 x 2000
Weight	ton	12.5 – 14.9

**GRAIN SIZE \*\***

6 knives	mm	< 450
8 knives	mm	< 300
9 knives	mm	< 250
10 knives	mm	< 200
12 knives	mm	< 125

**CAPACITY PER HOUR\*\*\***

Household waste	ton	up to 100
Demolition wood	ton	up to 70
Industrial waste	ton	up to 35
Bulky waste	ton	up to 50

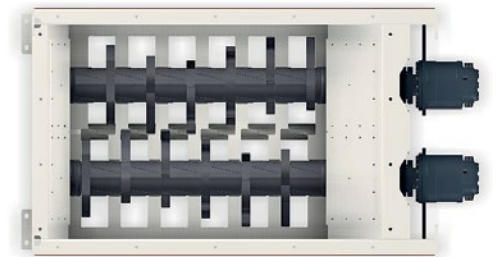
\* Standard / HDC

\*\* 90% less than

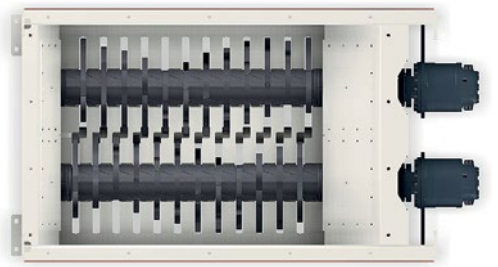
\*\*\* Depending on loading, grain size and density of the input material



**CUTTING TABLE 4000 - 6 KNIVES**



**CUTTING TABLE 4000 - 12 KNIVES**



## About Metso Waste Recycling

Metso Waste Recycling specializes in the design and manufacture of shredding equipment to effectively and reliably reduce the size of all material. Through more than 800 installations worldwide and continued focus on R&D, Metso Waste Recycling is one of the world's leading suppliers of shredders for the recycling industry. Our position also stems from our customer focus. We endeavor to supply you and your business with the best shredder solution; we always do our best to understand your current situation, and your future needs.

Our customers include companies that work with incineration, hazardous waste, waste-to-energy, recycling, landfills, cement production and composting. All Metso shredders share certain common features, including exceptionally robust construction. We use components from internationally recognized suppliers, to ensure maximum performance and durability.

## What now?

If you are interested in our PreShredder series you can read more about it on [www.metso.com](http://www.metso.com).



For more information, contact your local Metso Waste Recycling representative, or contact your dealer directly.

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