



Olnova Model 5 E

Static Dual Shaft Shredder Advanced Data Sheet

Details

Manufacturer	Olnova
Model	Model 5 E
Category	Static Dual Shaft Shredders

Overview

The Olnova Model 5E is the electric variant of the original Model 5, designed for wood and construction waste recycling, including the shredding of wood pallets, asphalt, and concrete. The Model 5E is static, making it an eco-friendly and stationary solution for recycling operations. As the Olnova Model 5E is powered completely by electric, it is particularly suitable for indoor use, eliminating emissions concerns and making it highly versatile in recycling operations. This eco-friendly option not only underscores a commitment to sustainability but also offers lower operational costs due to its electric design. This slow-speed shredder features a quick shaft replacement system and large access doors, ensuring maintenance is straightforward and efficient. The hydraulic side combs remain a key feature, allowing operators to control the output size precisely to meet specific requirements. Additionally, the Olnova Model 5E is outfitted with a reverse shaft system to prevent blockages effectively. It supports three distinct shredding modes—wood, universal, and asynchronous—catering to a wide range of material processing needs. Equipped with 'Industry 4.0' capabilities, the Model 5E offers remote performance analysis, customer feedback, and troubleshooting, enabling operations from anywhere in the world. The Olnova Model 5E sets a new benchmark in sustainability and operational excellence for recycling processes.

Processed Materials

Asphalt, Concrete, Construction waste, Green Waste, Pallets, Plastic, Scrap Metal, Shingles, Tires, Wood

Recommended Use

Best For	Shredding materials like C&D waste, concrete, soft metal and asphalt. Contractors who need an electric shredder for indoor applications.
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Good For	Medium-scale projects needing a static shredder. Tires and small metal goods.
Not Built For	Extremely high-volume industrial shredding needing larger machines. Applications where a tracked unit would be better suited. Hard metals.
Best Loader	Large excavator with grapple/thumb

Specifications

Shaft Length	60"
Transport Size (L x W x H)	22'1" X 6'8" X 9'
Shredding chamber dimension (W x L)	53.3" X 60"
Engine Power	215 hp
Ton per hour	Up to 100 tph
Feed Height	10'8"
Stockpile Height	11'2"
Size Out	Up to 2.40"
Mobility	Static
Engine Type	Electric Motor
Working Size (L x W x H)	22'1" X 6'8" X 10'6"

Features

- ✓ Electric powered - save money on fuel
- ✓ Operate indoors for specialized operations

- ✓ Cost-saving and efficient electric motor
- ✓ Hydraulically controlled side combs to control output size
- ✓ Reverse mode for unclogging the machine and working with sticky materials
- ✓ 3 Shredding modes : wood / universal / asynchronous
- ✓ Quickly replace shafts
- ✓ Overbelt magnet to remove metal from final product
- ✓ Hydraulic discharge conveyor
- ✓ Remote performance analysis and troubleshooting worldwide

Add-Ons

Custom paint Job

Shaft Transport Rack

Pair of spare shafts with quick exchange cassette

Frequently Asked Questions

What is the benefit of hardfacing my Olnova Model 5 E shafts?

Hardfacing the shafts of the Olnova Model 5 E can significantly reduce the need for replacement or maintenance, reducing machine downtime and increasing operational efficiency.

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TYPE AND PERFORMANCE*	
MATERIAL	OUTPUT T/H
LD Waste	80 - 100
Concrete	60 - 80
Asphalt	60 - 80
Food Waste	100 - 120
Compass	200 - 250
Plastic Waste	100 - 120
* shredder's equipment, a shaft configuration and material inflex. Provided performance data is an average value without a guarantee.	