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Zato®

Recycling Solutions

BLUE MARLIN
Single shaft shredder

zatoshredder.com

EN

Blue Marlin single shaft industrial shredder

The Blue Marlin shredding system features an internal pusher for easy feeding and constant dosing of material to the shaft.

Through a Load Sensing control circuit, a feed thrust appropriate to the type of material being processed is controlled by the PLC.
Grids - easily removable and decided according to the desired piece size - determine a homogeneous size of the output material, ensuring high density and excellent impurity release.

Always safe operations

The Blue Marlin single shaft shredder is designed to maximise accessibility for all routine and/or scheduled maintenance operations, guaranteeing total operator safety with reduced downtime and perfectly combining reliability, cost containment and performance.

Designed to offer maximum efficiency and reliability in the recovery and valorisation of production waste, light scrap and waste of all kinds.

APPLICATIONS

01	Solid fraction of MSW	06	Cans	11	Wood waste
02	SSF/RDF	07	Light iron scrap	12	Electrical cables
03	Plastic/rubber	08	Textile scrap	13	Pneumatic
04	Packaging	09	WEEE		
05	Aluminium profiles	10	Paper and cardboard		

TECHNICAL DATA SHEET

Operating parameters

Overall machine weight	t	45
Total dimensions	mm	6900 x 3630 h5400
Installed power	kW	383,5

Rotor

Useful rotor length	mm	2890
Overall rotor weight	kg	11000
Rotor diameter	mm	840
Rotor velocity	rpm	20 - 30

Tooth Dimensions

Blade size	mm	120 x 120

Pusher

Pusher type		Tilting
Handling		Hydraulic

10 steps towards a new definition of efficiency

Scrap recycling is **even more sustainable**

HIGH MATERIAL VALORISATION
The plant reduces the size of light and bulky scrap, increasing its density and quality.

01

ROBUST, SOLID CONSTRUCTION
The shredder guarantees extraordinary robustness on all its components.

02

PLUG & PLAY
Set up and commissioning in 4 days without any need for civil works or other auxiliary facilities.

03

MAXIMUM EFFICIENCY WITH LOW CONSUMPTION
Blue Marlin offers high hydraulic power unit efficiency thanks to an energy-optimised circuit.

04

COMBATING CLIMATE CHANGE
Recycling metals avoids the landfilling of 100% reusable resources.
An ecological and cost-effective choice, in accordance with the principles of the circular economy and responsible use of raw materials.

RESPONSIBLE CONSUMPTION AND PRODUCTION
Recycling steel reduces CO_2 emissions by 80% compared to production from ore. Steel is in fact a “permanent material”, thanks to the processes of the entire recycling chain.

EASY, SAFE ACCESS
The machine is characterised by maximum accessibility to all wear parts: blades and grid.

05

HIGH QUALITY COMPONENTS
Zato chooses top international brands for all its machine components.

06

REMOTE ASSISTANCE
Zato technicians can remotely monitor the plant from installation to any customer needs including: maintenance, service reports and scheduled checks.

07

RELIABLE SERVICE
Timely, constant and highly professional service offers accurate, rapid advice in identifying the most effective and convenient solutions.

08

LOAD SENSING
Machine management is entrusted to Load Sensing software that optimises machining on different materials.

09

STATE-OF-THE-ART TECHNOLOGIES
Blue Marlin's applied technologies include: AR, AI, predictive maintenance.

10

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Zato®

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