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Zato®

Recycling Solutions

BLUE MARLIN

Single shaft shredder

zatoshredder.com



Blue Marlin single shaft industrial shredder



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

A load sensing control circuit which is regulated by the PLC ensures a constant feed of material to the shredding shaft guaranteeing maximum efficiency. Easy to remove grids of variable size are situated directly under the shredding shaft ensuring a high density, homogeneous end product which is perfectly sized for downstream separation or 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.

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	t	11
Rotor diameter	mm	840
Rotor velocity	rpm	20 - 30

Tooth Dimensions

Blade size	mm	120 x 120
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Pusher

Pusher type	Tilting
Handling	Hydraulic

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

APPLICATIONS

01 Solid fraction of MSW 05 Electrical cables

02 Plastic/rubber 06 Pneumatic

03 Aluminium profiles 07 WEEE

04 Cans

10 steps towards a new definition of efficiency

Scrap recycling is **even more sustainable**

HIGH MATERIAL VALORISATION

Downsizing the material allows for efficient sorting downstream creating a higher value end product.

01

ROBUST, SOLID CONSTRUCTION

Built tough using only quality components to withstand the rigours of daily scrap yard use.

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

Metals can be shredded, sorted and remelted in to new steel endlessly. Producing aluminum and other alloys from old recycled metal reduces CO₂ emissions by 80% and contributes towards creating a true circular economy.

EASY, SAFE ACCESS

Designed from the ground up with easy and safe access to all ware parts.

05

HIGH QUALITY COMPONENTS

Zato only uses tried and trusted components from top internationally recognised manufacturers.

06

REMOTE ASSISTANCE

Zato technicians remotely monitor all essential working parameters. Potential issues are detected and resolved before they become a problem and preventative maintenance scheduled as required.

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, preventive maintenance.

10



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Zato S.p.A.

Via Campi Grandi, 23
25080 Prevalle (BS) - Italy

Tel. +39 030 6461800
e-mail info@zato.it

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