

Zato

Recycling Solutions



SINGLE-SHAFT SHREDDER

BLUE MARLIN

POWERFUL
EFFICIENT
DURABLE



www.zatoshredder.com

SINGLE-SHAFT SHREDDER
AS RELIABLE SOLUTION IN WASTE
RECYCLING AND RIQUALIFICATION

BLUE MARLIN

The BLUE MARLIN single-shaft shredders are used to reduce non pre-treated materials to a predefined output size and prepare them for a more effective secondary shredding.

An innovative pusher helps to increase the throughput performance, in collaboration with the rotor. Through a **Load Sensing control circuit**, the PLC provides a boost of power according to the material being processed.

The shredding system involves the use of a grid which determines a uniform size of optimal quality.

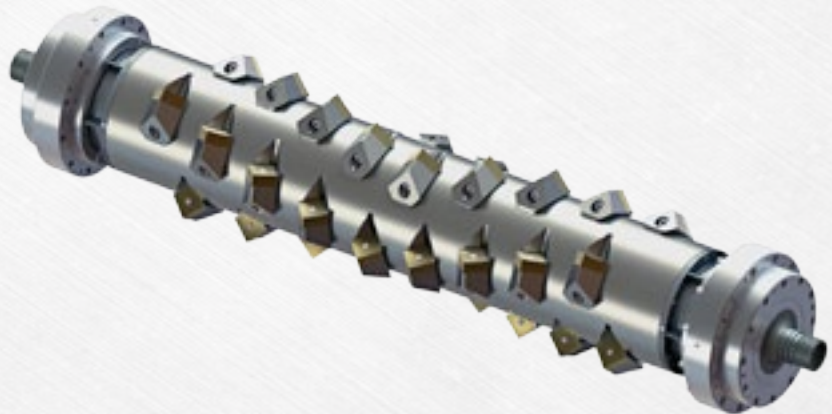
As for any machine designed by Zato, one of the challenges during the design phase for Blue Marlin has been to **maximize the accessibility of all operations of ordinary maintenance for the operator**, so as to be performed in total safety and in order to significantly reduce downtime for tooling and maintenance.

KEY FEATURES

- **Rugged construction;**
- **Simple and safe access to the fixed blades** by means of hydraulic commands;
- **Grid opens hydraulically** and is easily accessible;
- **Optimized management** through easily configurable software for the processing of different materials;
- **Two gearboxes**, one on each side, to adequately convey power and avoid any shaft twisting in the presence of objects defined as unshreddable because of weight or size;
- **Strong gearbox support** with double torque arm;
- **Hydraulic power unit** designed and manufactured Zato;
- **Components from leading international brands;**
- **Open hydraulic circuit** to allow better long-term safety and ease of maintenance;
- **Hydraulics** with constant power pumps and **Load Sensing** that allow power savings during standby;
- **All electrical and hydraulic components are housed in a 20-foot container with soundproof walls**, conditioned [only in the electric version], protected from dust, accessible and easy to maintain.

APPLICATIONS

- Aluminum sheet profiles
- Light industrial waste
- White appliances
- Radiators
- Light steel from collection
- Plastic
- Domestic waste
- Copper waste
- Cans
- Tires
- Rubber
- Wood
- Textiles
- Carpets and mattresses
- Pulper



BLUE MARLIN PS 2800/835 TECHNICAL CHARACTERISTICS

Total size	Loading zone opening	Crushing area	Total weight	Rotor weight (excluding supports)	Rotor length	Rotor diameter	Blades	Blade	Blade sizes	Power	Rotor speed
mm	mm	mm	t	t	mm	mm	nr	nr	mm	kW	rpm
7000	5000	3000	41	7,5	2800	835	36	21	120 x 120	355	20 - 30
3500	3000	900									
5100											

Production 6/8 t/h depending on the type of material and grid

Output material dimension depending on the type of grid

Electric or diesel drive