



# Zato®

**Recycling Solutions** 



## Industrial shredders for ferrous and non-ferrous metals



Blue Devil industrial shredders Add value are designed to offer the most efficient and robust solution for the reduction of medium-light ferrous and non-ferrous scrap.

The Blue Devil quickly and effectively downsizes bulky material, reducing scrap size while increasing its density.

The increased density `clean' scrap is highly valued by steel mills and foundries as scrap processed by a Blue Devil melts easier thereby reducing energy costs.

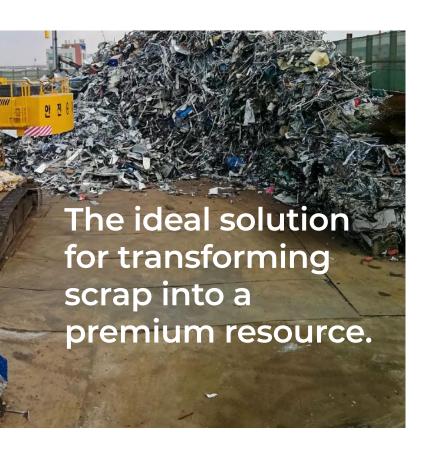
### A robust pre-shredder

Positioned upstream of the hammer mill, the Blue Devil significantly increases productivity by up to 50% while protecting the mill from explosions and unshreddable materials there by reducing downtime and ensuring staff safety.

#### **Technologically advanced**

Although simple to operate, each Blue Devil is packed with the latest digital technologies such as:

- · Augmented reality (during installation and maintenance);
- Predictive Maintenance;
- · Artificial Intelligence.



### **APPLICATIONS**

01	Mixed scrap	06	Aluminium (Casing)
02	Medium/light scrap	07	Aluminium profiles in bulk or bundles
03	Bulky scrap	08	Aluminium slag
04	Scrap in bulk or bundles	09	Tyres
05	Cars as such and in bun mechanics	dles	s also with engine and

#### **TECHNICAL DATA SHEET**

#### Feeding hopper

Feeding hopper				
<b>Hopper</b> opening	mm	4300 x 2190		
<b>Loading</b> volume	m³	7		
Shredder body				
Shredding chamber	mm	2165 x 1750		
Weight	t	44		
Shaft weight	t	7,6 cad.		
Shaft rotation speed (fast\slow in automatic)	rpm	3 - 6		
<b>Blade</b> width	mm	180		
<b>Total number</b> of blades		60		
Container				
Engine		Diesel\Elettrico		
<b>Engine</b> power	HP/kW	590 HP 400 kW		
<b>Container</b> weight	t	10		
General information				

Total dimensions	mm	7330 x 3150 x 5300
<b>Total</b> weight	t	56

## 10 steps which redefine efficiency

Scrap recycling is even more sustainable

#### **INCREASE SCRAP VALUE**

The Blue Devil reduces the size of light and bulky scrap, increasing its density quality and value.

#### **COMBATING CLIMATE CHANGE**

Scrap metal is 100% recyclable. Shredding increases the scrap density, allows for effective sorting and reduces melt times there by saving energy and Co<sub>2</sub>. For every ton of metal recycled the atmosphere. Recycling steel is an ecological and cost-effective choice and aligns 100% with the principles of creating a truly circular economy.

#### **RESPONSIBLE CONSUMPTION AND PRODUCTION**

Recycling steel reduces CO<sub>2</sub> emissions by 80% compared to new steel using the correct reduction and sorting technologies, old steel can be transformed into new steel "ad infinitum" without losing any of its strength. Zato is proud to offer our customers part of the solution towards creating a true circular economy.

#### **HIGH TORQUE**

The low rotation speed with exceptionally high torque hydraulic motors equates to unrivalled performance.

02

#### **OUICK SET UP**

Set up and commissioning in 4 days without the need for expensive civil works or foundations.

03

#### LOWER OPERATING COSTS

Efficient components and smart technology solutions ensure very low running costs.

04

#### **PROTECTION FROM UNSHREDDABLE PARTS**

The self-protecting system activates shaft reversal should an unshreddable enter the shredding chamber.

#### **MINIMAL DUST AND NOISE CREATION**

The high torque slow rotation motors create a minimal amount of dust and noise.

06

#### REMOTE ASSISTANCE

Zato technicians can monitor the performance of the shredder remotely. Faults and abnormalities can be detected before they cause damage while service intervals can be scheduled when convenient.

#### **RELIABLE SERVICE**

Zato's highly trained technicians offer timely and practical advice when needed ensuring your shredder is always running at optimal efficiency.

08

#### INNOVATIVE TECHNOLOGIES

Zato uses the latest advanced technologies such as: augmented reality during installation and maintenance, technology for data exchange and A.I. to support predictive maintenance to keep you one step ahead of the competition.

#### **EXPERIENCE AND QUALITY**

Zato have installed over 120 shredders world wide and insist on using only the highest quality materials and components. Our experience is your benefit.

Follow us: f in O D











Watch **the video** to learn more

Zato s.r.l.

Via Campi Grandi, 23 25080 Prevalle (BS) - Italy Tel. +39 030 6461800 e-mail info@zato.it



Zato®

We have limited brochures to reduce the consumption of printing materials. This material is 100% recycled and recyclable FSC-certified paper.