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Zato®

Recycling Solutions

BLUE SHARK

Hammer mills



zatoshredder.com



Industrial hammer mills and shredders for scrap metal processing



A perfect synthesis of ease of handling, production efficiency, space optimisation and installation time.

Zato's range of hammer mills designed for shredding scrap metal is manufactured to produce a superior quality product with operating costs that are among the lowest in its class.

Versatile solutions

Zato offers a comprehensive range of products to suit all of our customers shredding needs. From the powerful Blue Devil Pre-Shredder to the most effective downstream solutions, tailor-made for every situation; including magnetic separators, optical, induction and x-ray sorting plants that maximise recovery yields and the purity of separated materials.

Blue Shark hammer mills are available with a variety of engine sizes ranging in power from 420 to 1500 HP and are so versatile that they can process a wide range of scrap metal. Designed and engineered to offer superior durability, and manufactured using only the highest quality materials. Zato hammer mills offer our customers reliable and robust solutions for scrap metal processing.

Project Management & Service

The services provided by Zato are not limited to the supply of scrap processing machinery. From cradle to grave, our customers can rely on a dedicated project management team during the planning and installation phase and continuous support from our after sales team throughout the entire life cycle of the shredder. At Zato we use advanced technologies such as predictive maintenance and augmented reality to ensure maximum performance of every Zato shredder and hammer mill.



APPLICATIONS

- Used vehicles (ELV):
- 01 whole, baled or pre-sheared
 - 02 Light and mixed household scrap
 - 03 Household appliances
 - 04 Aluminium scrap, sheets and profiles
 - 05 Incinerator bottom ash
 - 06 Brass, copper
 - 07 WEEE
 - 08 Electric motors
 - 09 UBC

TECHNICAL DATA SHEET

12.10

16.13

19.22

		12.10	16.13	19.22
Total dimensions	mm	2600 x 7200 x 4600	10600 x 15300 x 5800	17000 x 13650 x 7500
Total weight	t	34	140	210
Engine power	HP/kW	420-600 HP 315-450 kW	1200 HP 900 kW	1500 HP 1120 kW
Rotor Diameter (hammers open)	mm	1200	1600	1900
Transmission type		Belt	Viscous coupling	Viscous coupling
Rotor diameter	mm	1200	1600	1900
Rotor width	mm	1000	1300	2200

10 steps which redefine efficiency

Scrap recycling is **even more sustainable**

LOW OPERATING COSTS

The hydraulic drive which connects the power unit to the rotor allows the motor to work at maximum efficiency with minimum consumption.

01

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 CO₂. For every ton of metal recycled 1.6 tons less of CO₂ are released into 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 CO₂ emissions by 80% compared to production from ore. Steel is in fact a "permanent material", thanks to the processes of the entire recycling chain.

ROBUST, RELIABLE MACHINES

The shredding chamber is lined with interchangeable thick Hardox® anti ware steel plates which are highly resistant to impact from scrap and unshreddables.

02

FAST INSTALLATION

The mills are pre-assembled and tested in-house before shipping. Pre assembly ensures that there are no nasty surprises during installation, speeds up the initial set up and reduces overall costs.

05

FLEXIBILITY

Blue Shark's 3 stage shredding chamber can be opened hydraulically at the touch of a button. The front and bottom grids are quick and easy to change allowing the operator to process a wider variety of products in a shorter amount of time.

07

FAST MAINTENANCE

Hydraulic drives allow complete opening of the mill body for easy intervention inside of the shredding chamber and rotor. The auxiliary maintenance facility reduces downtimes.

09

INTEGRATED SOLUTIONS

The Blue Shark hammer mill can be integrated downstream of the Blue Devil pre shredder and upstream of the Blue Sorter scrap sorting plants: the complete scrap processing line is fully integrated and only requires a single operator for the entire plant.

03

MAXIMUM SCRAP VALUE

Zato mills maximise value from all scrap processed, with effective reduction technologies and accurate downstream sorting of a wide variety of different materials.

04

MINIMAL CIVIL WORKS

The solid support structures are pre-assembled at the factory prior to shipment, minimising costly civil works and overall installation costs.

06

SMALL FOOTPRINT

The innovative compact design of Zato shredders requires minimal space, freeing up your yard for other operations.

08

APPLIED TECHNOLOGIES

Remote supervision and predictive maintenance allow real time monitoring of part wear and the shredders overall status. Automatically generated production reports and analysis mean that service downtimes can be scheduled well in advance.

10

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Zato®

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