

Zato

Recycling Solutions

Zato
BlueDevil
of America



BLUE DEVIL

TWO SHAFT SHREDDER
PRESHREDDER

GENSCO

www.genscoequip.com

www.zatoshredder.com

US

BLUE DEVIL

Two shaft shredder
Preshredder

DESIGNED FOR STEEL – BUILT TO HANDLE STEEL

INCREASED DENSITY, UPGRADE MATERIAL, QUICKLY & EFFICIENTLY

Equipped with state-of-the-art systems resulting from years of research and development in new technology, the Blue Devil is unlike anything on the market. These machines are extremely strong, safe and quiet, and are designed and built specifically for the volumetric reduction of steel. All systems can be supplied with optional downstream sorting equipment for the separation of ferrous and non-ferrous material.

EFFICIENT & STRONG WORKHORSE

Materials destined for a hammermill shredder like aluminum and steel bales, white goods, crushed cars and bulk scrap metal, are subjected to rough shearing, so that once introduced into a hammermill, the shredder works effortlessly, increasing the shredders hourly production rate [by about 30-40%]. In addition, pre-shredding this material also protects the hammers, mill chamber, bearings, gears and shafts, as an initial screening of the material occurs: the risk of introducing material that is dangerous or should not be shred by the hammermill can be eliminated by the safety mechanisms of the Blue Devil. Overall wear on all components are significantly reduced.

APPLICATIONS

Loose and baled scrap

Bulky material

Loose and baled ELV

Aluminium slag

Loose and baled
Aluminium profiles

Bins

Loose and baled heavy
scrap

Taint tabor

Loose and baled U.B.C.

Reservoir, armatures
etc.

Rebar

Transmissions and
motors

WEEE

Tires



ROTATING CUTTING SHAFTS

The two rotating shafts contain large, keyed in place, cutting blades, bolted and locked in place. The Blue Devils special keyed shaft is designed to perform with high efficiency under immense loads. The blades are manufactured from the world's highest quality tool steel. Produced from specific high heat and abrasion resistant material which increases their lifespan. The design and geometry of the blade and cutting system has been engineered in order to maintain a perfect intersection between the two shafts.

Almost maintenance free, easily replace broken blades. The blade size can be customized according to the type of scrap to be processed. The blades are designed to increase performance and protect the machine from excessive stress and wear, thus granting a superior lifespan. Blades are offered with these dimensions: 120mm [5"], 160mm [6"] and 180 [7"].



CONTAINER

Fully enclosed container contains: Diesel Engine [Electric Motor], Hydraulic Unit, Hydraulic Pump, PLC Control Panel with CPU. The container is resistant to any weather conditions and is completely sound proof. Manufactured with galvanized steel panels, high density mineral fiber insulation, reinforced floor, and completely fire resistant REI 120. Noise level: 70 dB at a distance of 7mt or 23 feet. Service door with panic exit bar, main entry door. Internal lighting.



GF 4000 II



GFS 5000 II



GFS 6000 II



TECHNICAL DATA		GF 4000 II	GFS 5000 II	GFS 6000 II
Cutting chamber	mm	1750 x 2165	1850 x 2085	2015 x 2085
	in	69 x 85	73 x 82	79 x 82
Width body	mm	2210	2350	2585
	in	87	93	101.8
Length body	mm	2685	2790	2775
	in	106	110	109
Height body	mm	950	950	1000
	in	37	37	39
Quantity blades	Nr	90 / 60	42 + 36	42 + 36
	No	90 / 60	42 + 36	42 + 36
Loading hopper capacity	mc	7	7	15
	cuft	247	247	530
Main power supply		Diesel *	Electric drive	Electric drive
Total installed power	KW / HP	445 / 597	470 / 630	580 / 778
Rotor speed [fast/slow]	RPM	MAX 6	FAST MAX 6 SLOW MAX 3,5	FAST MAX 6 SLOW MAX 3,5
Total weight	t	64	74	147
	us ton	71	82	162

* Available with electric motors [2 motors of 200 kW/each].

Technical specification can be modified without any prior notice and without incurring in any obligation.

SAFETY AND COMMAND SYSTEM

Each Blue Devil is equipped with integrated safety devices built into the control system. The system is equipped to notify the operator and limit any potential damage to the machine. If or when any object that cannot be shred enters the cutting chamber, the PLC instructs the shaft to attempt 3 inversions. An emergency signal alerts the operator with an alarm sound and flashing light to remove these objects or scrap from the shredder. All models are offered with an Internet remote survey system. The remote survey can

command and sense the shredders alarms in addition to providing diagnostics on operation. The Internet remote survey is specifically designed for ZATO to assist the operator from a remote site, identify any problem with the machine and assist in correcting the problem in a timely manner.



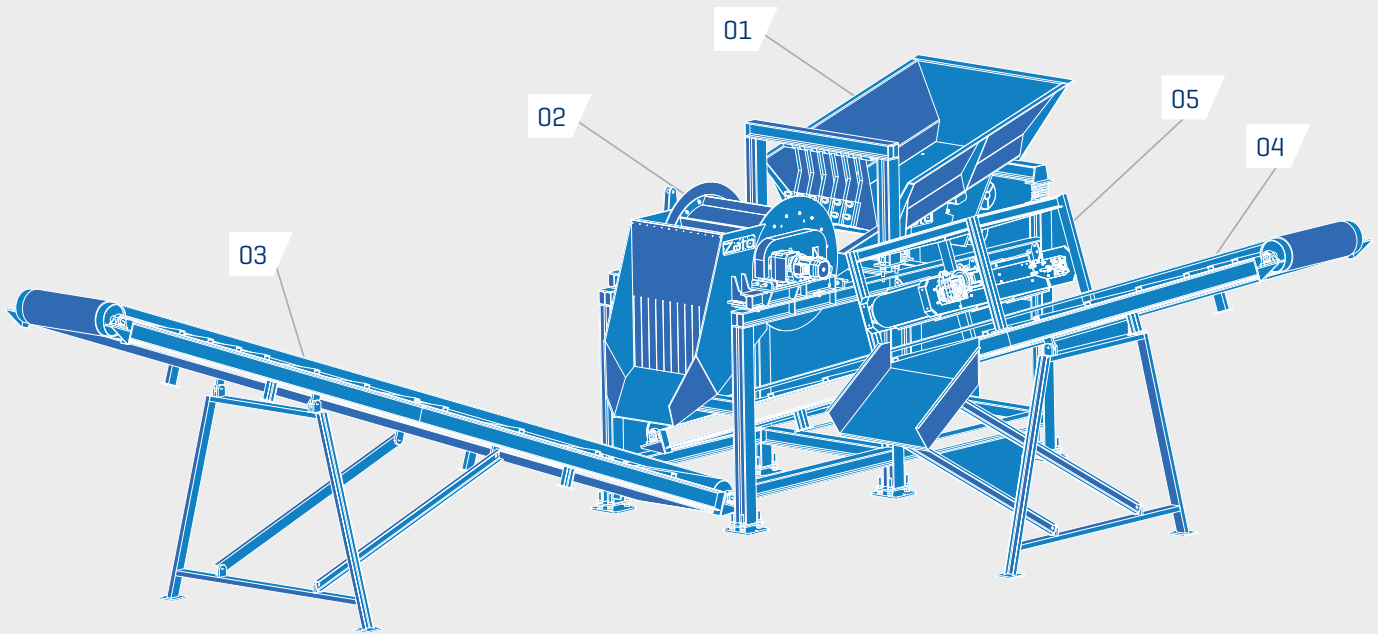


MAGNETIC SEPARATION LINE

Material processed with a Blue Devil can be cleaned with an optional magnetic separation line. This system, placed after a Blue Devil two-shaft shredder allows the recovery of non-ferrous metals present in a mixed collection of scrap. This increases the possibility of upgrading scrap metal.

The system is composed of: Vibrating plant [01], Magnetic Drum [02], Conveyor Belt for Steel [03], Conveyor

belt for non-ferrous and other waste, [04], Over-belt magnet [05] on the conveyor for steel and further separation of contaminated material. In addition, optional Eddy Current Systems are available.





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