



**RED** | **LINE**

# PRE-SHREDDER BRAVO

MODELS B12R - B14R - B16R - B16H



**BLULINE**

Baler, shear  
baler



**REDLINE**

Shredder, pre-  
shredder



**BLACKLINE**

Baler, shear  
baler, inclined  
shear

Bluline, Redline, Blackline made by C. E G. srl

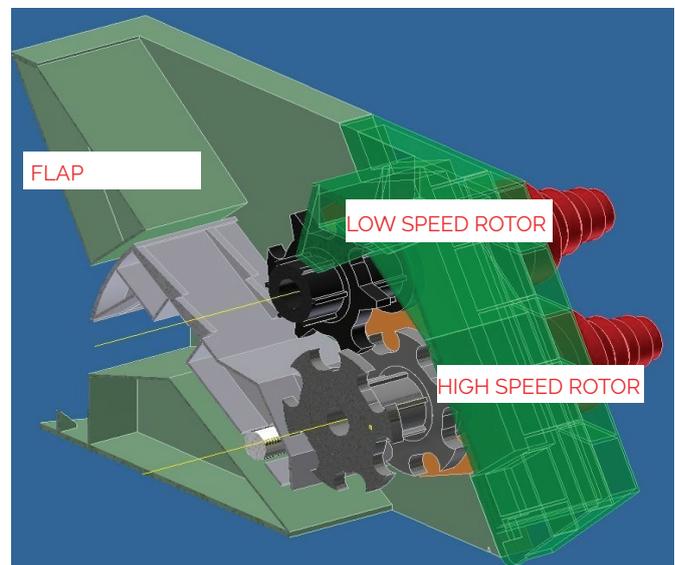
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## Overview

The TAURUS RedLine Preshredder design utilizes two large hydraulically operated rollers with teeth, being fed from a sloped chute. The rollers are counter rotating at different speeds. This tends to pull apart materials that are introduced to them. The genius of the two roller system is that when something such as a dense bale provides significant resistance, the rollers reverse direction and a hydraulically operated wing in the floor of the chute raises blocking some of the material. This tends to stretch out the scrap, making it easier to tear apart when the roller reverse again to move material forward.





## Advantages

Modern pre-shredders, such as the one manufactured by TAURUS, operate at very low maintenance costs.

Amortization, when calculated according to 18 000 hours of life and 30-100 tons per hour of production depending on the size of the machine, results in extremely low ownership costs on a per-ton basis.

Pre-shredding with modern equipment can be of benefit to all sizes of shredder, from the smallest to the largest. Owing to lower power costs, reduced wear resulting in longer replacement part life and significantly higher tonnages per hour through a shredder of any given size or HP, pre-shredding reduces the overall cost of shredding many types of material.

### *Cars:*

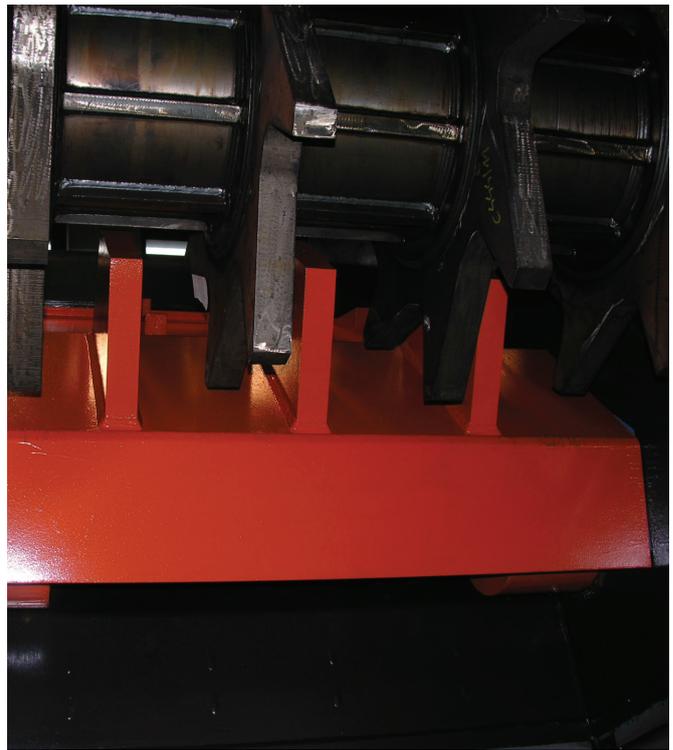
Pre-shredding allows smaller shredders to process complete cars even if the shredder is not sufficiently wide to accept whole vehicles, while enabling larger shredders to produce more tons per hour at a lower cost per ton.

### *Bales:*

Pre-shredding allows bales to be purchased and transported economically from a wider market area. Dense bales are difficult to shred even in large shredders whereas pre-shredding allows them to be processed by all sizes of shredder, including those down to 500 HP. Again, pre-shredding enables the production of more tons per hour at a lower cost.

In addition, pre-shredding significantly reduces not only the risk of fire or explosion but also the introduction of massive unshreddables into the shredder.





## Feeding chamber

TAURUS REDLINE BRAVO B12R	mm 2000 x 2500
TAURUS REDLINE BRAVO B14R	mm 2000 x 2500
TAURUS REDLINE BRAVO B16R	mm 2500 x 3250
TAURUS REDLINE BRAVO B16H	mm 2500 x 3250

In TAURUS RedLine Preshredders a patent is pending: the flap in the rear wall of the feeding chamber can tilt in a lower position in its upper part allowing the insertion of particularly bulky material like bales, cars body etc.-



**High speed rotor** and **low speed rotor** are independently driven by low speed & high torque hydraulic motors mounted on the sides of each shaft. The maximum torque available in each shaft is about Nm 380. The 2 rollers are equipped with huge and robust construction bearings.

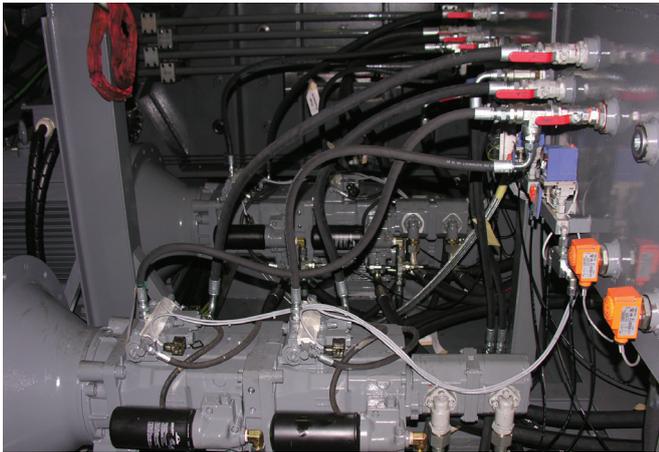


## Rotors

<b>LOW SPEED ROTOR</b>		<b>B12R</b>	<b>B14R</b>	<b>B16R</b>	<b>B16H</b>
Rotor's speed	rpm	2	2	5	4
Teethed disks diameter	mm	1200	1400	1600	1600
Teeth on each disks	n	8	9	10	10
Teethed disks	n	3	3	4	4
Hydraulic motor		Hagglunds	Hagglunds	Hagglunds	Hagglunds
<b>HIGH SPEED ROTOR</b>		<b>B12R</b>	<b>B14R</b>	<b>B16R</b>	<b>B16H</b>
Rotor speed	rpm	10	10	20	16
Teethed disks diameter	mm	1200	1400	1600	1600
Teeth on each disks	n	8	9	10	10
Teethed disks	n	4	4	5	5
Hydraulic motor		Hagglunds	Hagglunds	Hagglunds	Hagglunds

## Hydraulic Unit

The closed loop hydraulic system which drives the hydraulic motors utilize axial post-poning pumps fitted with a constant power limiter. These pumps allow the pre shredder to adjust the speed to the torque ratio, depending on the load detected by the electric motors.



## Power pack

SHAFT POWER PACK		B12R	B14R	B16R	B16H
Electric motor power of low speed rotor	kw	55	55	90	110
Electric motor power of high speed rotor	kw	2 x 110	2 x 160	2 x 200	2 x 250
Electric motor for cooling and filtering circuit	kw	1 x 7.5	1 x 7.5	1 x 7.5	1 x 7.5
cooling fan motors	kw	3 x 0.5	3 x 0.5	3 x 0.5	3 x 0.5
FLAP POWER SYSTEM					
Flap electric motor	kw	55	55	90	90
Cooling fan motors	kw	1 x 0.5	1 x 0.5	1 x 0.5	1 x 0.5



# Steel work platform

All pre-shredders models can be equipped - as an option - with a solid steel frame.

The benefits of this are:

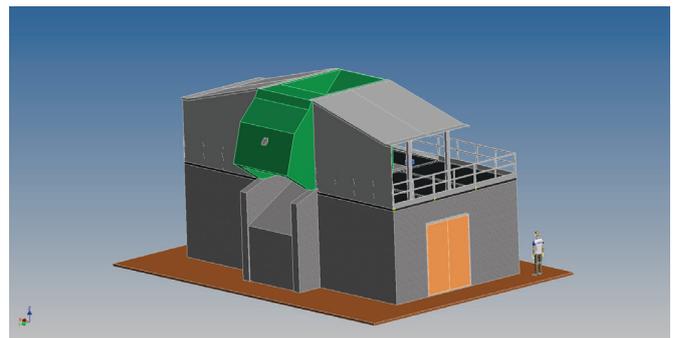
- No foundations required.
- A flat concrete surface is all that is needed;
- Quicker assembly on site;
- Vibration absorption;
- Protection of hidraulic unit



# Size chart and Productivity

DIMENSION		B12R	B14R	B16R	B16H
Height	mm	3050	3450	3600	3600
Length	mm	5200	5200	5900	5900
Width	mm	5200	5200	6200	6200
Weight	t	60	90	120	125
PRODUCTIVITY (*)					
	t/h	< = 40	< = 60	< = 80	< = 100

(\*) Car bodies and scrap in general (thickness < 3 mm) with 50% bales.  
Maximum bale density: 1,4 t/m<sup>3</sup>





**C. E G. srl**



**BLULINE**



**REDLINE**



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