



MTB-Recycling . QUARTIER DE LA GARE  
38460 TREPT . FRANCE

## BAT 1200 U



## 1. DESCRIPTION :

BAT Granulators cut the pre-shredded scrap to final product size.

The BAT is of extra heavy construction, with a large rotor diameter providing high torque and reduced power cost.

This, combined with its unique multiple edge blades, give the BAT much lower operating costs than any other design.

**THE GRANULATOR CAN NOT PROCESS MASSIVE METALLIC PARTS  
(MAXIMUM THICKNESS 15mm)**

## 2. TECHNICAL SCHEDULES:

<u>Type:</u> .....	BAT 1200 U
<u>Power:</u> .....	132 kW + 1,5 kW (for the vibrating extractor)
<u>Motor speed:</u> .....	1 000 Rpm
<u>Rotor speed :</u> .....	400 Rpm
<u>Rotor diameter:</u> .....	610 mm
<u>Weight:</u> .....	10 tons
<u>Cutting blades :</u> .....	30 moving blades 12 fixed blades
<u>Screen :</u> .....	1 screen of about 30 Kg – easy change with an hydraulic jack
<u>Production :</u> .....	1 to 3 T/h depending on screen and on products to be shred

## 3. DESCRIPTION OF FURNITURES :

The BAT 1200 U is equipped with 42 identical blades (30 on the rotor and 12 fixed) which can be used 4 times thanks to the multiple cutting edge design of this part.

The blades can produce 150 to 500 tons per edge.

It is also fitted with a screen which can work till 5 000 tons.

These blades and screens are the only wearing parts of this shredder.



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THE ORIGINAL RECYCLERS



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#### 4. STRUCTURE OF THE BUILDING:

The shredder doesn't need any specific fixation on the ground.

It is recommended to dispose the shredder on a 150mm thick reinforced concrete screed.

60 Shore Neoprene pads are supplied with the machine and need to be inserted between the frame and the concrete screed.

#### 5. TRANSPORT:

The shredder is delivered in several parts which are the main units already pre-assembled.

The weight of the biggest part is 9 tons.

For transportation, the machine needs to be settled in a 20" open top container.

#### 6. INSTALLATION AND STARTING:

In our offer are not included:

- Installation and starting,
- Main Electrical Control Cabinet
- Electric cables and connections.

The starting of the machine can require one of our technicians, to be planned when ordering.

#### 7. CONTROL:

An electric control can be made through an electric board which can be delivered as an option with the shredder



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8. **SPARE PARTS / MAINTENANCE:**

THE FOLLOWING DATAS ARE GIVEN FOR INFORMATION ONLY.  
MANY OTHER PARAMETERS CAN LEAD TO MODIFICATIONS.

<b>BLADES / LAMES</b>	
Quantity	42 blades
Lifetime before turning around	150 to 500 tons
Number of use	4 times (1 on each cutting edge)
Total life time	600 to 2 000 tons
Price	About 29 USD per blade
Time for changing blades	2.5 hours

<b>SCREEN / GRILLE</b>	
Quantity	1 screen
Life time	From 3 000 to 6 000 tons
Price	About 1200 USD
Time for replacement	About ¼ hour

<b>SCREWS + GREASING / VISSERIE + GRAISSAGE</b>	
Lifetime	To be changed with the blades
Price	About 200 USD

DEPRECIATION: the machine is thought to work for 50 000 hours, means 20 years.



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## 9. GENERAL INFORMATION:

- Sound level: The sound level depends directly on the kind of materials that will be processed.  
The medium level is 80 dB at 1 meter away from the empty machine (noisier when full)
- Discharge: Vibrating extractor
- Electric motors: For shredder, 132 kW, 400 V, 50 Hz, 1 000 Rpm.  
For motorization of the vibrating extractor, 1,5kW, 400V, 50 Hz, 1 500 Rpm
- Greasing: 1 greasing every 100 working hours for the bearings of the rotor.
- Special equipment: NONE
- Using slot: Can be used in outside temperatures from  $-15^{\circ}\text{C}$  to  $+40^{\circ}\text{C}$ .  
and a medium hygrometry of 65%
- Running: 24 hours a day, 7 days a week.
- Cleaning: Can be done with a high pressure nozzle.
- Qualifications required for employees:  
1 man without any special skills in charge of materials feeding  
1 technician to head up the maintenance

## 10. GRANULE SIZE:

The granule size depends directly on the size of screen which is fixed on the shredder, and this choice is up to the customer's requirement.



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