



barracuda





Transform your waste into a useful product!

The OBM Barracuda is designed because of the demand for one universal machine for wood (demolition wood, green waste, etc.), industrial waste (construction, demolition, tires, plastics etc.) and other waste streams (general skip waste, mattresses etc.). So far an often used solution was to shred in two stages by using a primary and a secondary shredder. This of course increases the investment as well as the operation costs.

Because of this demand the OBM design team was placed at a big challenge. But OBMtec has been on the recycling market for many years and gained a lot of experience, which resulted in the idea to produce a machine that could answer the need for a versatile machine. One that can be used as a pre-shredder or for making the required end-fraction in one go, so you can choose a high capacity and/or a desired end product.

The OBM Barracuda makes it possible for a customer to invest in one machine instead of two, which results in a lower investment and lowers the operation costs. This single rotor slow speed shredder is powered by a diesel engine which drives the hydrostatic transmission.

The OBM control system is programmed to use fuel as economical as possible under all circumstances. By using a pump distribution gearbox, a compact design is possible and the engine can run at reduced speed. These measures will not only benefit your wallet, but also the environment by reducing the exhaust and noise emissions.

Many different applications:

- | | | |
|--------------------------------|--------------------|------------|
| - Construction/demolition wood | - Industrial waste | - Plastics |
| - Green waste | - Tyres and rubber | - Etc. |
| - Household waste | - Mattresses | |





Technical details:

Trailer

Details:	OBM Barracuda
Weight	± 32.000 kg
Transport length	± 8.910/10.590 mm
Length in operation	± 14.920/16.660 mm
Width	2.500 mm
Transport height	± 3.930 mm
Feeding height	± 3.370 mm
Discharge height	± 3.900 mm
Engine	Volvo
Power	410 kW, 550 HP / 450 kW, 612 HP
Fuel tank capacity	700 L
Rotor - Torque	250 or 360 kNm
Rotor length	3.000 mm
Rotor diameter	max. 1.050 mm
Rotor speed	max. 40 rpm
Number of knives	20 or 30 pcs
Number of counter knives	19 pcs

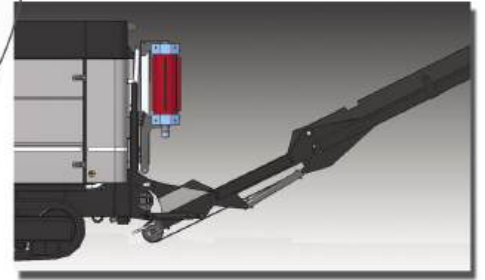
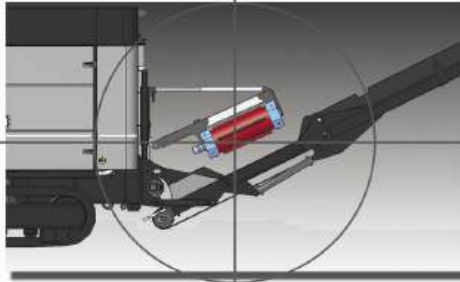
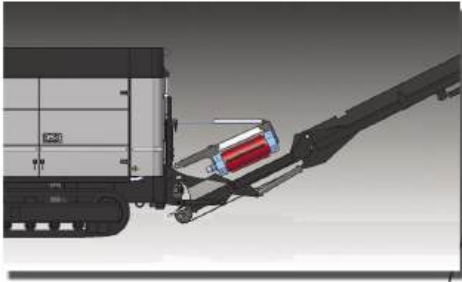


Details:	OBM Barracuda
Weight	± 34.000 kg
Transport length	± 8.170 mm
Length in operation	± 12.420 mm
Width	2.500 mm
Transport height	± 3.775 mm
Feeding height	± 3.160 mm
Discharge height	± 4.000 mm
Engine	Volvo
Power	410 kW, 550 HP / 450 kW, 612 HP
Fuel tank capacity	700 L
Rotor - Torque	250 or 360 kNm
Rotor length	3.000 mm
Rotor diameter	max. 1.050 mm
Rotor speed	max. 40 rpm
Number of knives	20 or 30 pcs
Number of counter knives	19 pcs



Tracks





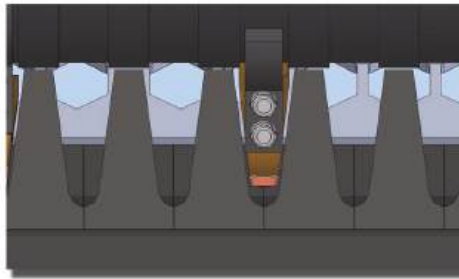
Modular construction:

The OBM Barracuda has a modular building style, this means that the shredder unit, power pack and chassis are built as separate components. This allows the shredder unit to be supplied in different versions:

- Trailer
- Tracks
- Stationary

Modular building style...

...fast and flexible!

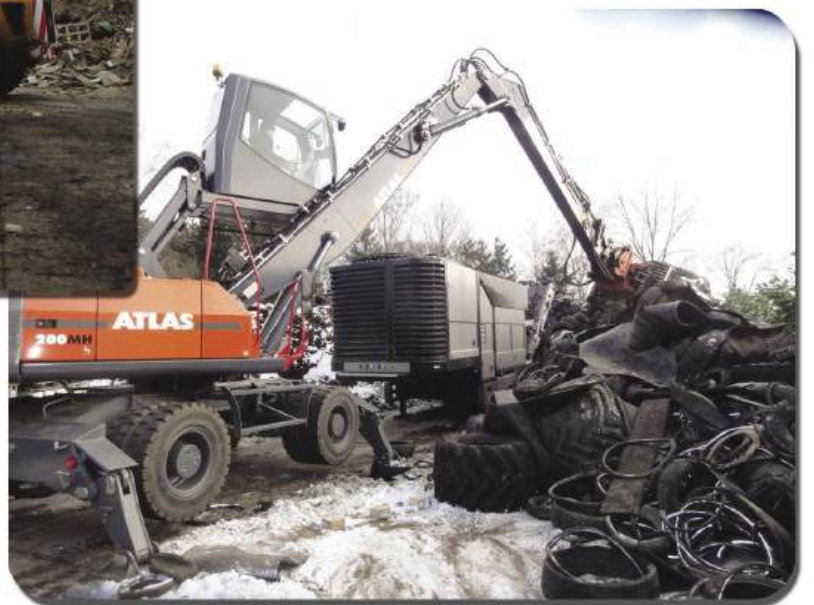


Different applications, different tools:

The shredder unit consist of 4 main parts: The base frame, rotor, grate system and counerknife door.

The rotor has a length of 3 meters and is equipped with 20 hammers and the door with 19 counterknives. Due to the patented design, the counterknife door can be in 5 different positions, this changes the opening between the hammers and counterknives so you can alter the size of the end product. After the material has passed the counter knives it falls unto the (optional) grate system which covers the underside of the rotor. The most important principle in the design of the OBM Barracuda is that the machine should be suitable for processing different materials at a desired fraction with a good capacity. Because this goal was not achievable with 1 combination of hammers and counterknives, we decided to make the machine suitable for various types of hammers, counterknives and grates.



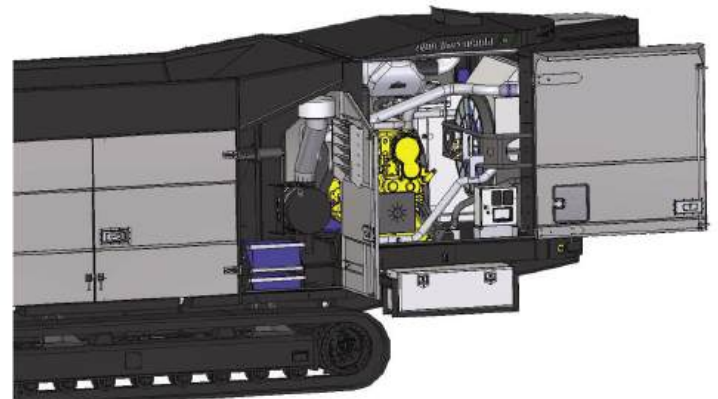
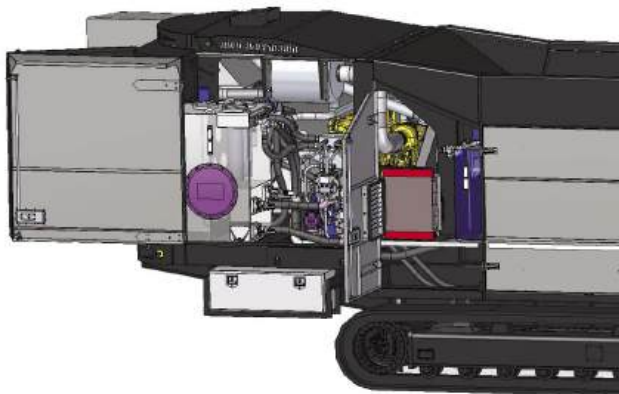


OBM Barracuda





To perform optimally in the different types of material, various modes are available in the on IQAN based proven OBM control system. As a result of various pump/motor values, the rotor can achieve high speeds and also high torque, optimally applied for the different types of material. Next to this the system monitors all operative functions, like pressures, fuel consumptions etc. The LCD panel acts as a tool to display all this information in different user-friendly screens.



Serviceability:

Maintenance was one of the key factors when designing the OBM Barracuda, especially the simplicity, ergonomics, durability and ecology are far fed in the final design. We have chosen for large oil volumes to extend intervals and to keep the machine temperature as constant and low as possible under all operating conditions. All draining points are located on the outside of the machine on working height, all these points are equipped with quick connectors to make draining easy and clean. All oil checks can be carried out from ground level. Also daily maintenance like air filter cleaning is possible to perform for a comfortable position standing on the ground. One large door is positioned on the front of the machine for making access and cleaning of the radiators as easy as possible.





OBM Machines BV reserves the right to make changes in the product design without reservation and without notification to its users



Dealer:

OBMtec BV

Franklinstraat 9;
9285 WT Buitenpost (NL)
T: +31 (0) 5 11 - 42 45 55
F: +31 (0) 5 11 - 42 39 63
E: info@obmtec.com
I: www.obmtec.com

