

## TMR 1000



B.I.R.



PHONE +33 (0) 474 928 768  
 FAX +33 (0) 474 929 346  
 MACHINES +33 (0) 474 929 936  
 Cables +33 (0) 474 929 935

**MTB-RECYCLING**  
**QUARTIER DE LA GARE**  
**38460 TREPT**  
**FRANCE**

<http://www.mtb-recycling.com>  
[info@mtb-recycling.fr](mailto:info@mtb-recycling.fr)  
[sales@mtb-recycling.fr](mailto:sales@mtb-recycling.fr)  
[cables@mtb-recycling.fr](mailto:cables@mtb-recycling.fr)

## **1. DESCRIPTION :**

The magnetic separator TMR 1000 is composed of 2 main parts:

- A belt conveyor equipped with a saking system underneath,
- An overband with permanent magnets.

The combined actions of the vibrating system and the magnetic field, allows separating the ferromagnetic materials from the non-magnetic parts. The unit has an intensity adjustable shaker and is equipped with a height adjustment system.

### **Belt conveyor:**

The conveyor belt is driven by an electric motor attached to a slip-on gear mechanism. The belt is fitted with chevrons for a correct drive.

### **Vibrating system:**

The belt conveyor is shaken by a mechanical vibrating system with two rolls and an electric motor attached to a slip-on gear mechanism.

### **Overband:**

The molecular magnet is composed of a ferrite magnets assembly so as to obtain the best long-distance power of attraction. The attracted ferromagnetic pieces are removed by the belt fitted with ribs.

The molecular magnet requires no maintenance, no electric power supply and its magnetic performance are life-guaranteed.

The belt drive is driven by an engine attached to a slip-on gear mechanism.



B.I.R.

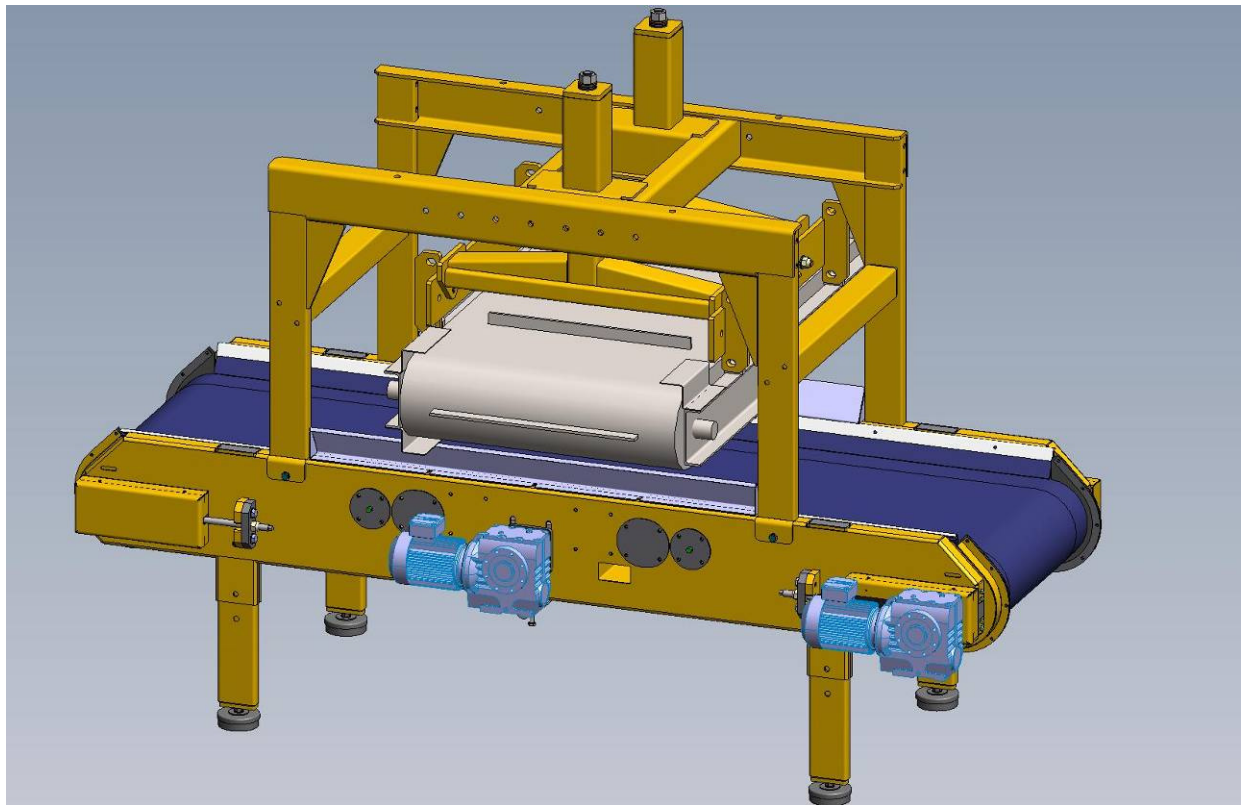


EUROPEAN TYRE RECYCLING ASSOCIATION



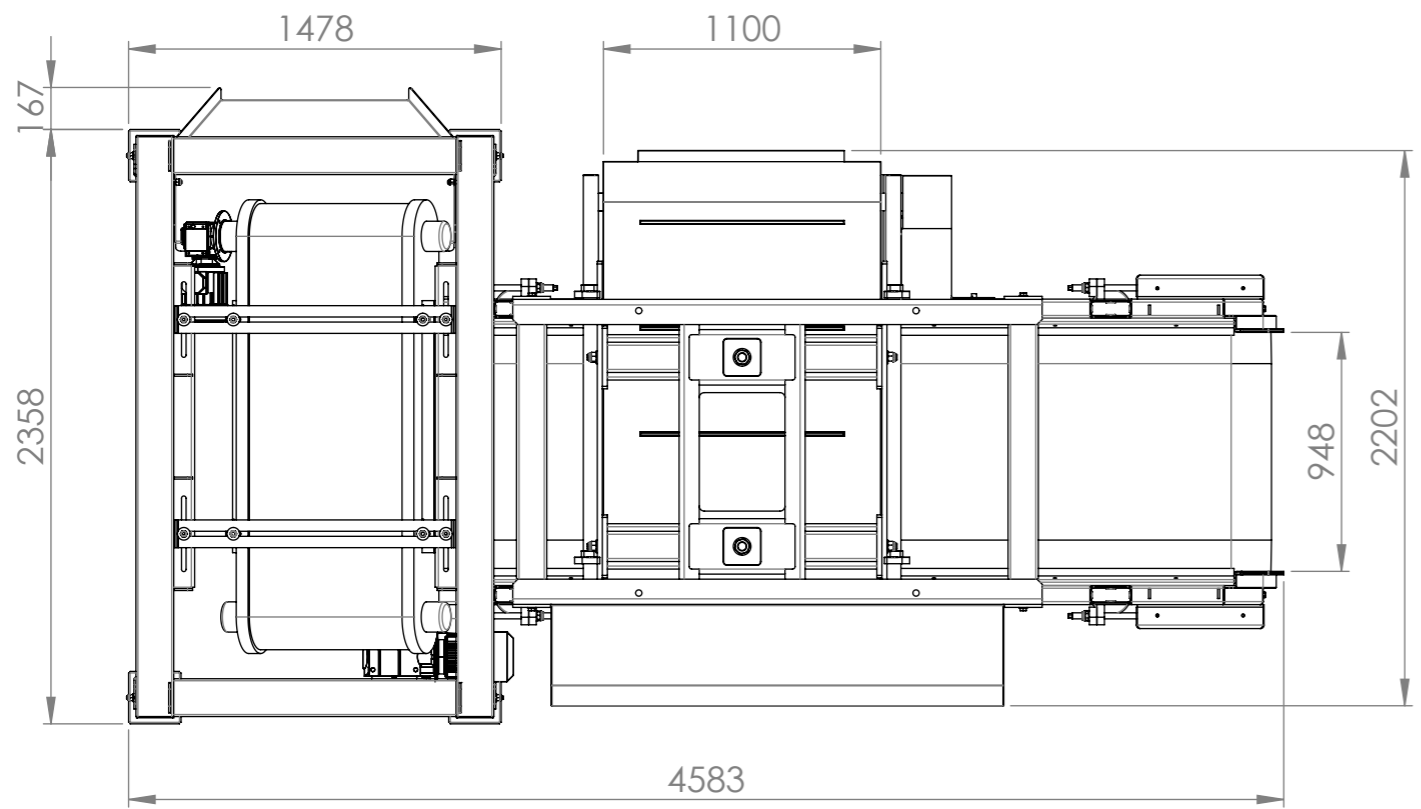
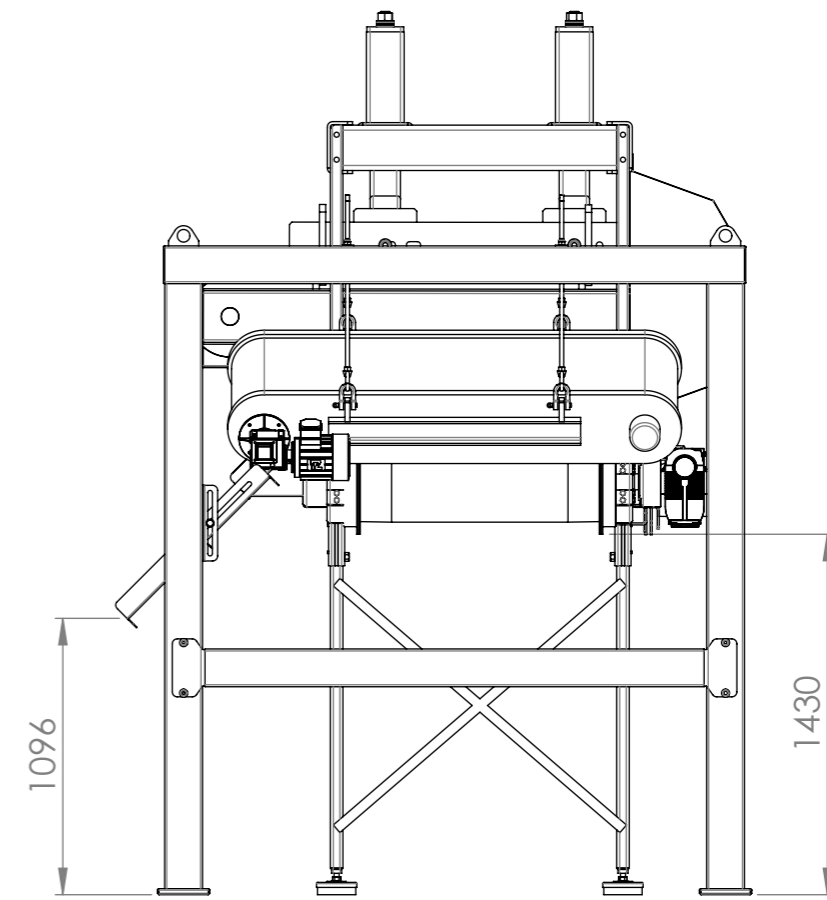
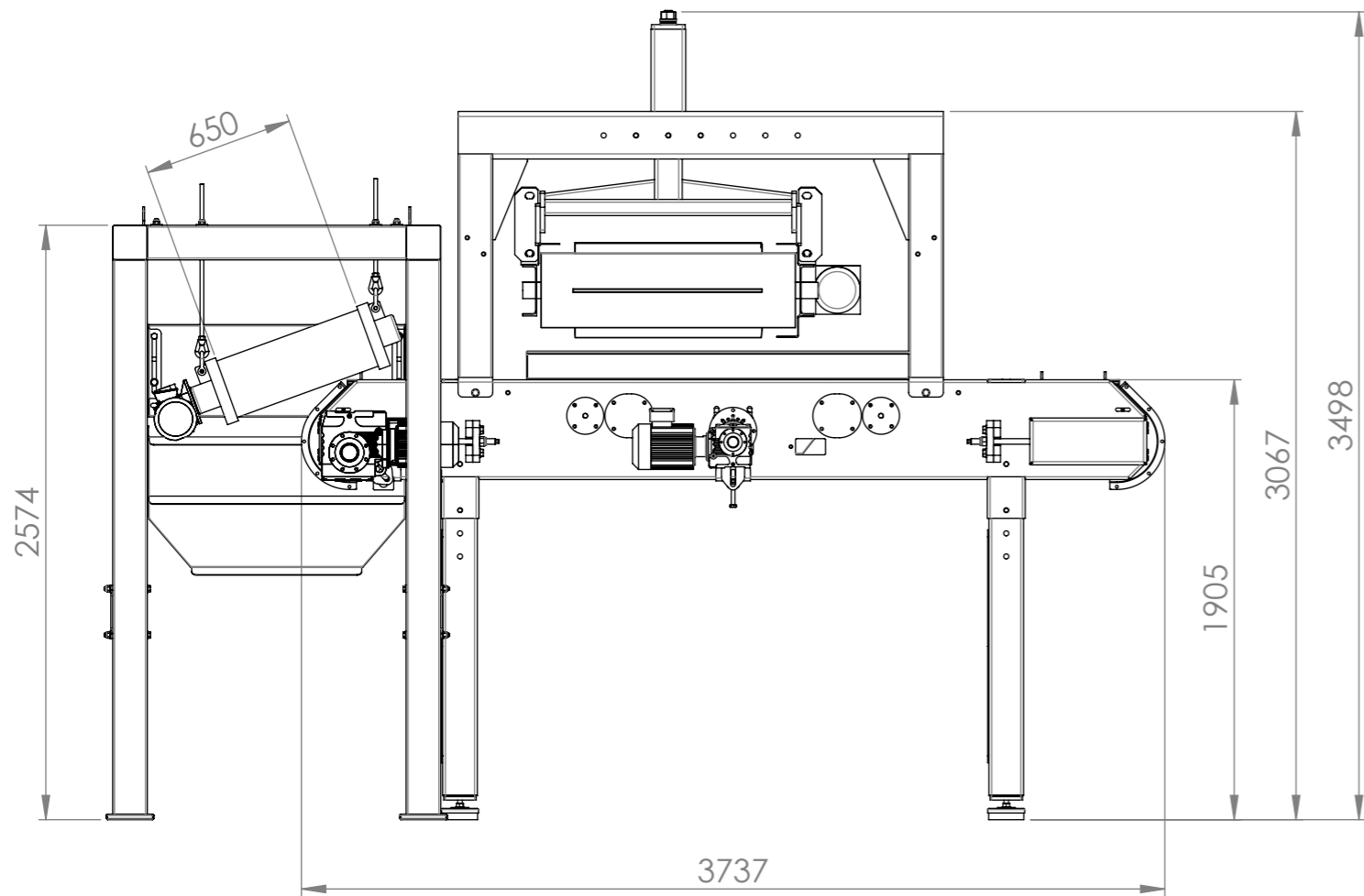
## **2. GENERAL INFORMATIONS :**

- Sound level : The sound level depends directly on which materials are processed.  
The average noise level is 75 dB at 1 meter away.
- Electric motors : For belt conveyor, motor gear 2,2 kW  
For vibrating assembly, motor gear 2,2 kW  
For belt magnet, motor gear 1.5 kW  
For additional belt magnet, motor gear 1,1 kW
- Length: 2850 mm
- Belt width: 1060 mm
- Greasing : 1 greasing every 200 working hours.
- Special equipment : NONE
- Using slot : Can be used in outside temperatures from  $- 15^{\circ}$  C to  $+ 40^{\circ}$  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 technician to head up the  
Maintenance



EUROPEAN TIRE RECYCLING ASSOCIATION





Dessiné par : HT	Date : 08/2010	<b>TMR1000</b> 2 OVAP
 Quartier de la gare 38460 - TREPT FRANCE Tél: 04 74 92 87 68 Fax: 04 74 92 92 30 <a href="http://www.mtb-recycling.fr">www.mtb-recycling.fr</a>		
A3	Echelle 1:30	 Edition du 05/08/2010 <b>PF11E-A-00+SE25217</b> 1/1 A

Copying of this document, and giving it others and use or communication of the contents thereof, are forbidden without express authority. Offenders are liable to the payment of damages. All rights are reserved in the event of the grant of a patent or the registration of a utility model or design.