

ELDAN Tyre Cleaning And Washing System

Up to 20000 kg/h



CLEAN TYRES WORK MIRACLES FOR PRODUCTION

For many years, foreign objects in waste tyres have caused problems in tyre recycling. Stones cause unnecessary wear on knives, dirt causes extra wear on e.g. air transports and cyclones, etc. For this purpose, the ELDAN Tyre Cleaning And Washing System has been developed for removal of stones, sand, dirt, oil, ice, snow and other impurities.

The system consists mainly of two parts: dry cleaning of the tyres in the ELDAN Tyre Cleaner (TT6000) and wet washing in the ELDAN Tyre Washing Unit (TWU). During the dry cleaning, dirt and foreign objects are removed with a tumbling motion, while the following wet washing also removes jammed material e.g. mud and oil.

There are many benefits with the ELDAN Tyre Cleaning And Washing System:

- Less wear on knives in the main machines, hence lower regrinding costs
- Lower wear part consumption with up to 15-20% on main machines, and the wear rate on transport systems, especially pneumatic transport systems, is reduced
- Increased capacity by approx. 10 % on average due to longer knife life-time
- Increased granulate quality
- Less down time and smooth running of the tyre plant, even during winter or rain seasons
- Less power consumption
- Cooler production

The Eldan Tyre Cleaning And Washing System is easy to integrate into an existing tyre recycling plant, giving you the possibility of tailoring your Tyre Recycling System to your demand.



Tyre Cleaning And Washing System



Input: dirty waste tyres



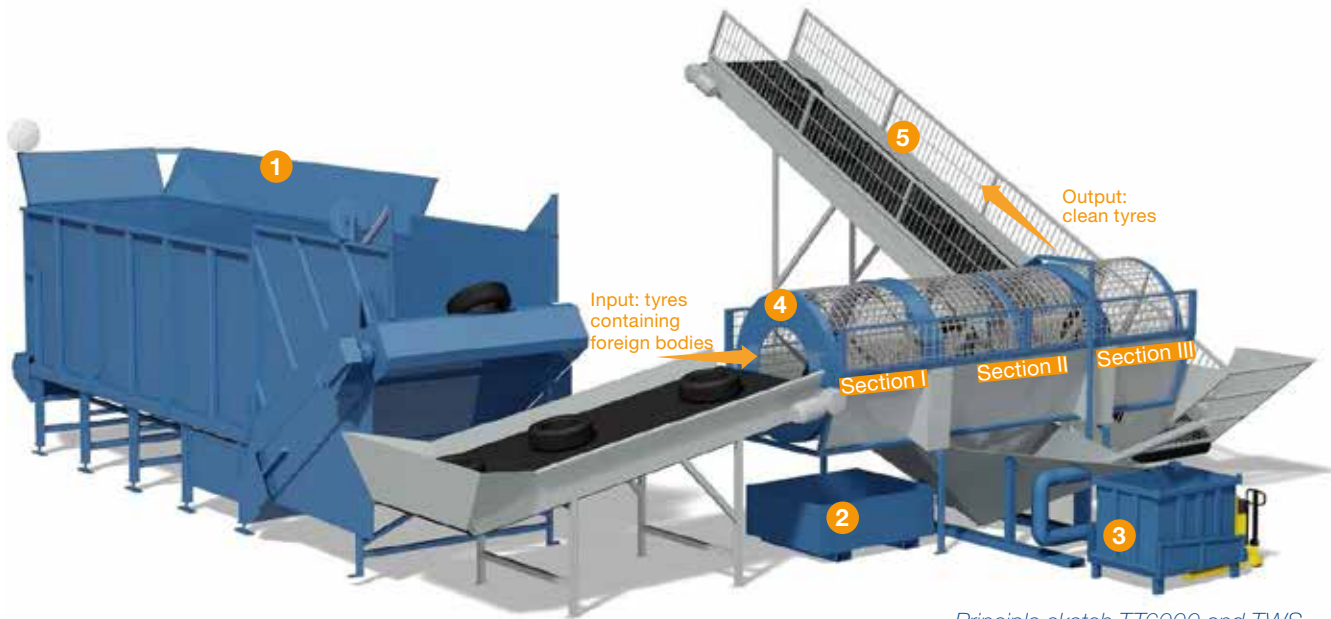
ELDAN Tyre Washing System spraying water on the tyres



Foreign objects removed from tyres



Washed waste tyres



Principle sketch TT6000 and TWS

- 1 Automatic tyre feeding system (~40 m³)
- 2 Dirt collector
- 3 Water tank
- 4 TT6000 & TWS
- 5 Belt conveyor

- Section I: dry cleaning
- Section II: water cleaning
- Section III: water emptying and final cleaning

Specifications	Tyre Cleaning And Washing System	Units (EN/US)
Input	Car and truck tyres with max diameter 1200 / 48	mm / in
Capacity	Up to 20000 / 44000	kg/lbs input/production hour*
Output material	Car and truck tyres clean from stones, sand, metals, oil, ice, snow, water etc.	
Motor power	6	kW
Floor space	3000 x 7000 / 118 x 275	mm / in
Water consumption	Approx. 0,5-3 / 0,1-0,8	L per minute / GPM

Standard voltage: 3 ph, 400 V, 50 Hz - for other voltages please contact our sales department
 * Depending on type of input material and method of feeding

