

Eldan Tyre Recycling Plant E1500T



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The Eldan tyre plant, E1500T is a simplified version of our larger tyre recycling plants. If required, additional machines can be added to upgrade the E1500T. The E1500T is the solution if you are looking for a less space-requiring, lower capacity tyre recycling plant.

Input and output material: The E1500T can process almost all types of tyres. It can process truck and car tyres at an input capacity of approx. 1 – 1.5 ton/processing hour (when producing 0 – 4 mm rubber granulate, 95 – 99% free of liberated steel and textile).

The system:

It is a tyre plant designed as simple and effective as possible, to minimize the number of machines.

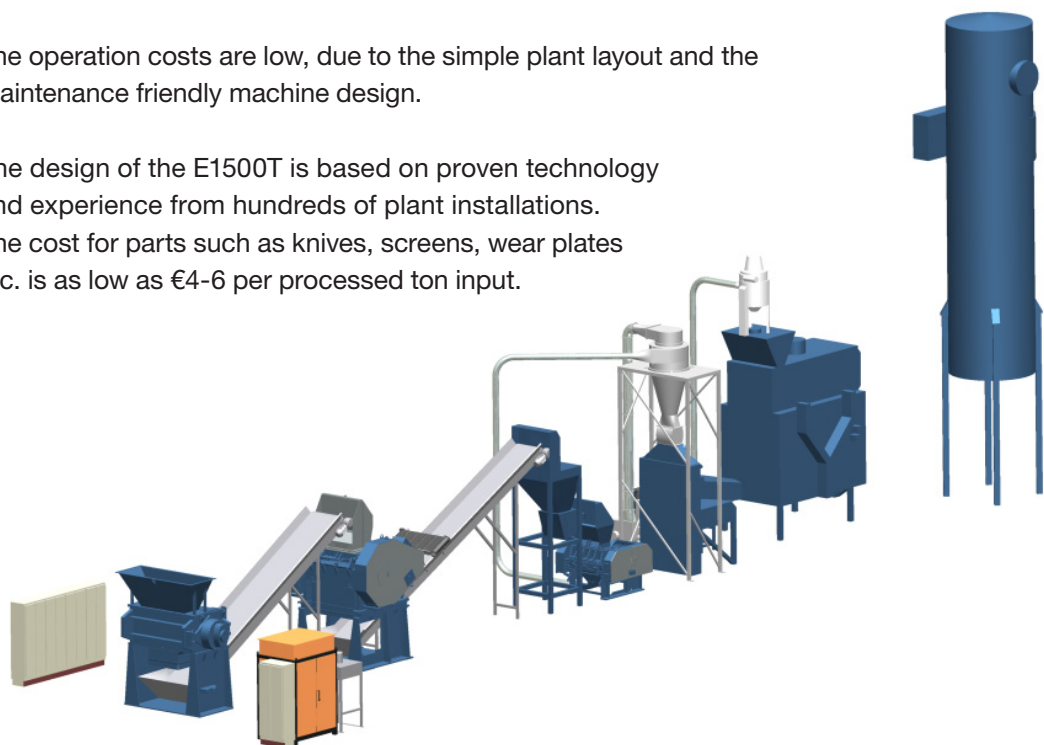
This plant only needs approx. 150 – 200 m² articulated. The plant layout can be customized to fit into any building of mentioned size.. Further the Super Chopper, SC1412T, can be placed outside the building meaning even less space is required inside.

The E1500T only needs approx. 200 kWh (max. installed power 380 kW, excl. the filter system) to process 1-1.5 ton of tyres per hour to 0–4 mm output rubber granulate.

The E1500T only needs one operator for running the plant and one operator for handling the input tyres and the output rubber granulate, textile and steel.

The operation costs are low, due to the simple plant layout and the maintenance friendly machine design.

The design of the E1500T is based on proven technology and experience from hundreds of plant installations. The cost for parts such as knives, screens, wear plates etc. is as low as €4-6 per processed ton input.



First Choice in Recycling Equipment

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Additional options E1500T:

D1500T – A further simplification

If it is required to simplify the plant further, the Super Chopper and the inlet conveyor can be removed. The plant is then called D1500T, and can process whole car tyres and pre-shredded truck tyres.

E4000T – Increasing the capacity

The Eldan tyre plants are all of modular design. If required, it is possible to further increase the capacity of the E1500T plant by upgrading it to an E4000T. The E4000T-upgrade includes adding a pusher, a stronger pump station, an additional Fine Granulator and a Classifier, buffer silos TBF and V4, among other additional machines. The E4000T can process up to 4 tons/processing hour, and produce an output of rubber granulate, 99.9% free of liberated steel wire and textile.

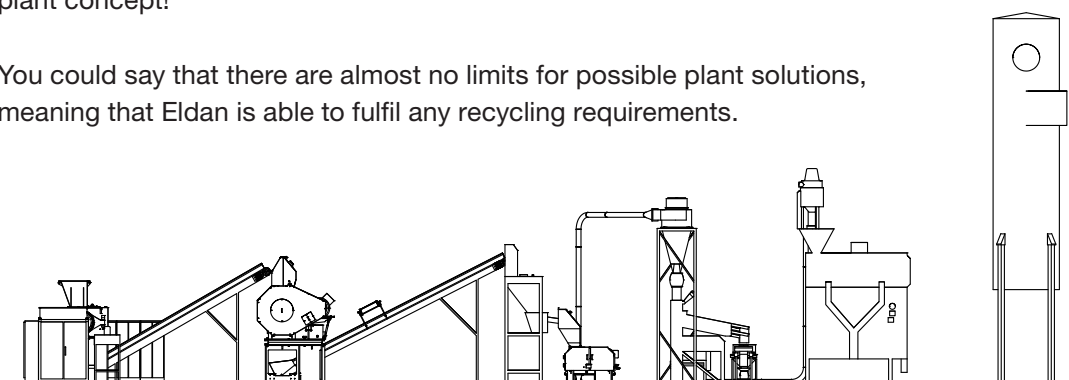
E1500TC – Multi function plant (Tyre/Cable/WEEE)

The E1500T can easily be modified to a tyre *and* cable recycling plant. By adding additional separation and classifying equipment it is possible to design the E1500 plant to be able to process tyres or cables in the same plant. The additional gravity separation table will separate the heavy copper granulate from the lighter plastic fraction from the cables. It only requires cleaning of the plant and diversion of the transport in the system to change from processing tyres to processing cables in the same Eldan E1500TC Multi function recycling plant.

In fact, it is possible to extend the E1500TC to also being able to process WEEE (Waste Electrical and Electronic Equipment) input as well as tyres and cables. As for the above described cable extension, the same plant can be expanded with the addition of a heavy duty Granulator and Eddy Current Separator and transports and the plant will now be able to process almost any type of input of tyres, cables or WEEE scrap materials.

This really shows the flexibility and advantage of the Eldan modular recycling plant concept!

You could say that there are almost no limits for possible plant solutions, meaning that Eldan is able to fulfil any recycling requirements.



The quality and capacity statements indicated in the various systems are meant as guide line information. We reserve the right to alter and modify technical specifications and design without further notice.