

# The best of tyre recycling

Impressive performance. Flexible production. Superior output fractions.  
Low running costs. Unbeatable track record.



## Eldan tyre recycling plants and machines

To achieve the required type of end-product, different standard tyre recycling plants are available with capacities ranging from 500-10.000 kgs/production hour. These standard plants are also the starting point when plants are tailored to suit specific customer requirements. All systems are tailor fit solutions including engineering, training of operators and plant management.

Using a modular approach a large number of combinations can be supplied to produce shreds, chips, granulate and powder.

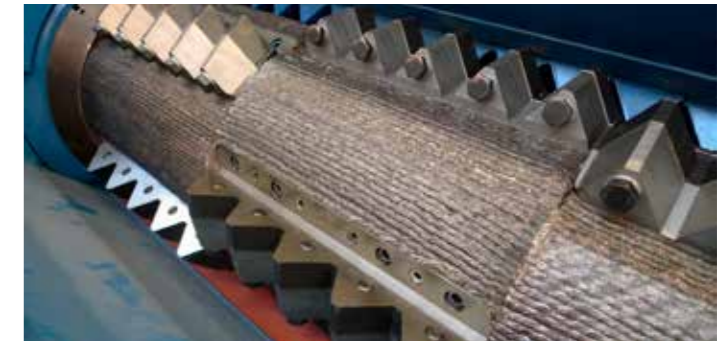
## Proven technology

Eldan equipment is designed to meet market requirements, thus the individual machines can easily be adjusted to other fraction sizes, merely by changing the screen size in the machines. All Eldan machines are designed and manufactured in-house.

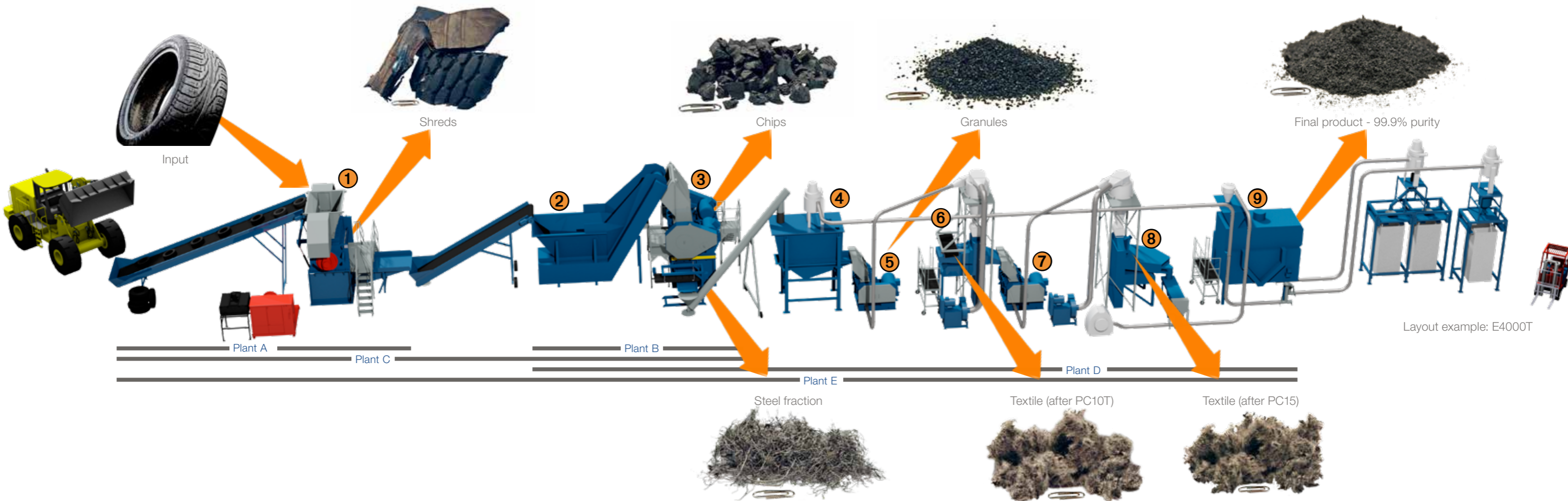
## Benefits

- ▶ **Long experience** - more than 30 years within tyre recycling
- ▶ **Impressive track record** - more than 1000 tyre recycling installations world-wide
- ▶ High performance
- ▶ Flexibility to process different input materials
- ▶ Flexibility to produce different output fractions
- ▶ Clean granulate up to 99.9% free of liberated steel and textile (ASTM-E11 or DIN ISO 3310)
- ▶ Low processing costs
- ▶ Low power consumption
- ▶ Low maintenance costs
- ▶ Modular design - system grows with your business

**We guarantee plant capacity and output product quality.**



Hard face welded rotors



**1. Super Chopper.** A powerful, low-speed, single shaft pre-chopper capable of processing complete car and truck tyres including super singles down to shreds.

**2. Tumble Back Feeder.** The machine ensures a continuous flow into the Multi Purpose Rasper thus ensuring an optimum load/ utilization of the Multi Purpose Rasper.

**3. Multi Purpose Rasper.** The machine is an effective, medium-speed, dual drive Rasper designed for tyre recycling. It ensures individual size reduction down to approx. 12 mm chips and liberation up to 98% of the steel content.

**4. Silo V4.** Ensures continuous flow through the Fine-Granulator 1 and ensures optimum utilization of the capacity.

**5. Fine Granulator.** High-speed, single shaft Fine Granulator for the first granulation stage enabling liberation of up to 50% of the textile contained in the tyres.

**6. Classifier PC10T.** Removes the textile.

**7. Fine Granulator.** High-speed, single shaft Fine Granulator for the second and final granulation stage. If any – the remaining steel

and textile is liberated here and the steel is removed by magnets.

**8. The Classifier PC15.** Removes the textile.

**9. Aspirator.** Ensures final size distribution of granulate and removes remaining, liberated textile providing a high quality rubber granulate with a purity of up to 99.9%.

## Optional modules for specific customer requirements

### Tyre Cleaning (TT6000) And Washing System (TWU)

Improve the quality of end-products by removing foreign objects like stones, sand and snow from the waste tires. Also reduce production costs remarkably due to lower wear on wear parts.

### Truck And Car Tyre Feeder (CF50/TF600)

Feeding capacity 5-6 ton/production hour. The feeder automatically ensures continuous feeding of the Super Chopper. The tumbling effect reduces the content of foreign bodies in the tyres.

### Steel Quality Upgrading System

Reduces the rubber and textile content in the steel fraction down to 1- 2% (98 – 99% clean steel wire), by weight

### Rubber Quality Upgrading System

Ultimate purity of the main fraction of rubber granulate = 99.99% by weight, clean "Black Gold" free of stones, metals, glass and other impurities.

### Powder Plant

Meets customer and market demands for powder down to 200-10 Mesh (typically 30-40 Mesh).

### Bagging System

Used for bagging of the end-product. Eldan offers single and double bagging stations, Weighing and scaling equipment is also available.



Layout example: Powder Plant

### Ensure reduced downtime!

- ▶ The Eldan After Sales Division offer ad hoc service on existing as well as new equipment through our trained and experienced service engineers and supervisors
- ▶ Eldan constantly holds an extensive stock of spare and wear parts
- ▶ The flexible service contracts ensure planned, preventive maintenance of your production line
- ▶ Tailored contracts ensure that parts are available for immediate call off
- ▶ Contact one of our spare and wear part coordinators, and we will supply the best possible solution for your company

The Eldan After Sales Division is your reliable partner!

