

## Scrap Tire Recycling System [Inventory ID #57694]



- 10 TPH capacity of plant.
- Basic feed mixture to consist of:
  - 50 percent truck tyre (tire).
  - 50 percent car tyre (tire).
- 1200 mm (4 ft.) max tyre (tire) dia.
- 65 kg (143 lb.) max tyre (tire) weight.
- Product:
- Rubber granulates -75%.
  - a) 0.0-0.8 mm.
  - b) 0.8-1.5 mm.
  - c) 1.5-2.5 mm
- Note: Product size can be changed as per the market requirement.
  - Fabric fluff -15%
  - Steel scrap -20%
- 3800 kW power requirement
- 230 volt, 50 Hz/24 V DC control voltage.
- 400 volt, 50 Hz service voltage.
- Minimum area required:
  - Open space required for shredding plant, approx. 70 x 75 mtr.
  - Hanger of 40 x 75 mtr for complete granulation plant.
  - Hanger of 40 x 75 mtr for stocking end product.
  - Space required for feed tyre as per customer vision.
- Plant consist of following.
  - Pre-cutting system to produce tyre chips from complete tyres.
  - A product intake unit for the pre-cut tyre chips.
  - A flat die granulation mill, type 60-1250, with accessories as granulation unit.
  - The FE separation for separation of the steel components from the crushed intermediate product, a mixture of rubber crumb, steel, and textile fibres.
  - The separation and cleaning of the rubber crumb, classifying into fractions and

- separation of textile and mineral impurities, storage of rubber crumb in big bags.**
- **The aspiration plant of the separation/classification phases consisting of aspiration filters, fans, the complete ducting, and the discharge and conveying elements for return of the separated solid matters.**
  - **The control and switch plant for process control, complete with power circuit and cable material.**
  - **The compressed air generator for supply of the compressed air required for the process.**
  - **Complete electrical, control, PLC, cables and required accessories.**
  - **Including the 2 year or 12000 hrs spares parts.**