

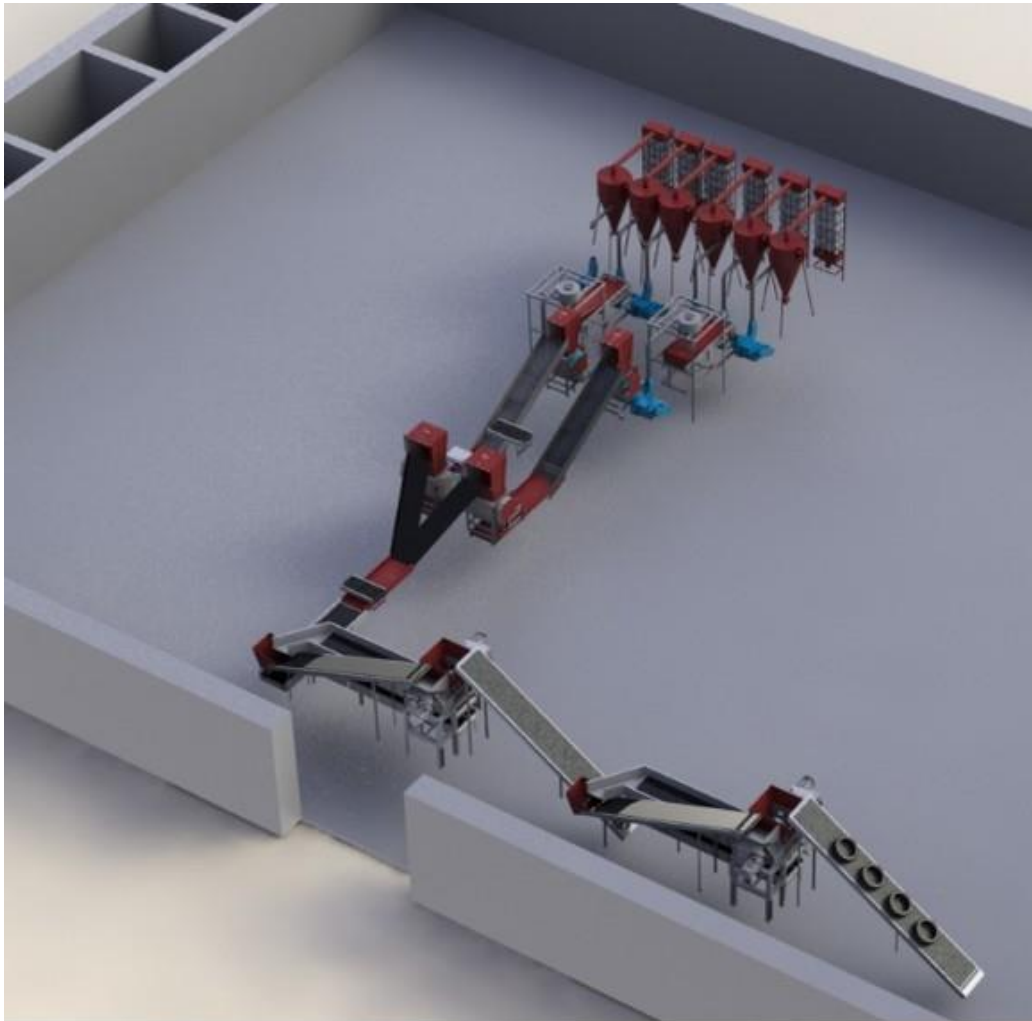


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5000 kg/hour TIRE RECYCLING LINE





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TIRE DEBEADER MACHINE (up to Ø1500mm diameter tires)

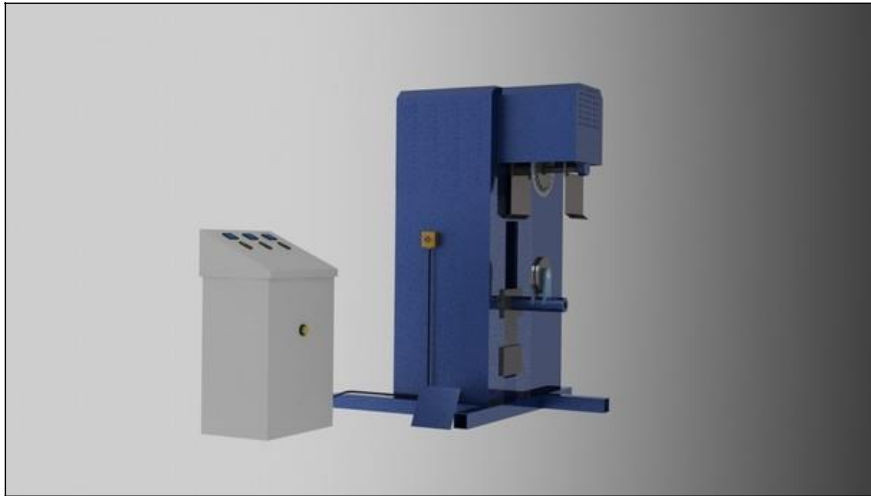
- Motor : 11 kW motor
- PLB 35004 F IEC 132 planetary gearbox
- Debeader drum Ø 490 x 330 mm.
- 2 pcs. 24126 bearings
- Dimensions (W-L-H): 1000 x 1600 x 1800

TIRE DEBEADER MACHINE (More than Ø1500mm diameter tires)

- Motor : 30 kW motor
- PLB 38007 F IEC 155 planetary gearbox
- Debeader drum Ø 980 x 630 mm.
- 2 pcs. 28226 bearings
- Dimensions (W-L-H): 3000 x 2700 x 4000



TIRE CUTTING MACHINE



Technical Specifications:

- 7,5 kW 1400 rpm. Motor
- 3 kW hydraulic unit to lift vertically the tire to be cut
- 1/26 ratio gearbox
- Ø40 diameter cutting saw
- Electric panel
- Holders controlled by treadle while cutting the tire
- Limiter switches at upper and lower limits

SHREDDER LOADING CONVEYOR (2 pcs.)

- 2.2 kW motor with gearbox
- Length 6 mt.
- Width 100 cm.



DOUBLE SHAFT SHREDDER (2 pcs.)

Technical Specifications:

- 2 pcs. x 90 kW 900 rpm motor
- 2 pcs EK430-2 type 1/12 ratio gearbox
- 2 pcs. x 1700 mm length rotor
- Rotor shaft hexagonal shaped made of DIN 1.4140 steel material
- 36 pcs. Circular cutting blades with three cutter wings on each blade
- DIN 1.4140 steel blade material
- 36 pcs. stationary wiper blades
- 60 mm. Body wall thickness, reinforced body walls
- Gearboxes are attached to body with rubber

A typical tire recycling plant begins with a primary (double shaft) shredder, which shreds whole car tires into pieces smaller than 10 cm. X 10 cm. Tires larger than car tires such as truck tires or off-road tires first debanded and cut into smaller pieces by debander and cutter machines. Debanding is process of removing side steel wires from truck tires.

SHREDDER OUTPUT CONVEYOR

- 2.2 kW motor with gearbox
- Length 4 mt.
- Width 100 cm.

SHREDDER LOADING CONVEYOR

- 2.2 kW motor with gearbox
- Length 6 mt.
- Width 100 cm.

1500 mm. SINGLE SHAFT SHREDDER(2 pcs)

Technical specifications:

- Main Motor : 160 kW with gearbox
- Rotor diameter (mm) 600
- Rotor length: 1500 mm.
- RPM 80 / min.
- Rotating blades 140 pcs.
- Stationary blades 6 pcs.
- Hydraulic motor 11 kW.
- Blades made of DIN 1.2379 steel material

SHREDDER OUTPUT CONVEYOR

- 2.2 kW motor with gearbox
- Length 4 mt.
- Width 100 cm.



CRUSHING MACHINE LOADING CONVEYOR(6 pieces)

- 2.2 kW motor with gearbox
- Length 6 mt.
- Width 100 cm.

NPS 1500 CRUSHING MACHINE(6 pieces)

- The main motor 132 kW.
- Body wall thickness 40 mm.
- Hydraulic opening rear hinged upper body
- Hydraulic unit 2.2 kW motor
- 60 cm. opening and closing stroke piston
- 380 kg x 2 piece fywheel, bushing pass
- 3-stage rotary blades 6 pcs, 75 cm blade length, 62 HRC hardened
- 4 fxed blade, 75 cm blade length, 62 HRC hardened
- Eccentric rotary cutters
- 120 steel box profiles chasis
- Body dimensions 1580 x 1580 mm.
- Special steel die cast bearing beds outside of the body, water cooled
- Complete electrical panel



CRUSHER OUTPUT CONVEYOR (6 pieces)

- 2.2 kW motor with gearbox
- Length 4 mt.
- Width 100 cm.

MAGNETIC SEPARATION CONVEYOR (6 pieces)

- 2,2 kW motor with gearbox
- Length 2000 mm
- Width 600 mm.
- Strong ferromagnet

MATERIAL TRANSFER BLOWER - FAN (6 pieces)

- 2.2 kw 2800 r / min engine
- Pneumatic System Blowers

ZIGZAG TEXTILE AND DUST REMOVER (3 pieces)

- Cyclon silo with air lock
- 2,2 kW airlock motor with gearbox

AIR SUCTION FAN FOR ZIGZAG (3 pieces)

- 5.5 kw 2800 rpm. Motor

VIBRATING SCREEN (3 pieces)

3-stage particle classification - dust removal system 3 kW
vibration motor

MATERIAL FAN (9 pieces)

- 2.2 kw 2800 r / min engine
- Pneumatic System Blowers

**TEXTILE SEPARATION GRANULE
CLASSIFICATION CYCLONE SILO (12 pieces)**

- 2,2 kW airlock motor with gearbox
- Dust removal system



- Final material particle size can be determined.
- Pictures in our quotation are from our previous projects and for information purpose.

TIRE RECYCLING LINE 5000KG /HOUR CAPACITY	1.800.000- Euros
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Total electric power: 1400 kW

750 sq.meters of minimum machine working area is required. We can customize layout of the machines according to buyer's factory by using computer aided design.

Delivery: 90 – 120 work days

Guaranty: Machines are guaranteed for two years against defective parts and workmanship. For electrical and electronic components, suppliers guaranty terms applied. Parts like knives, screens, V-belts that are subject to routine wear out, all electrical and electronic equipment, operator errors, damages that occur as a result of tramp object introduction inside the machine such as metals or inadequate maintenance and neglect of following the supplied instructions manual are exempt. Machines are set up by sellers technicians. Technicians boarding and lodging costs are to be borne by the Buyer.

DELIVERY

Machines are delivered within 90 work days from the date advance payment has been made.

CUSTOMER RESPONSIBILITY

The scope of supply of the plants and the services that are connected to this are explicitly described in the offer resp. the order confirmation and the respective annexes. All services and equipment that are necessary for completing the offered plant have to be provided by the customer. These are especially:

- 1) Energy supply and distribution (current, water, pressurized air) up to the connecting points of the plant.
- 2) Building structure, masonry works, foundations and pits for installing the plant according to final layout.
- 3) Ceiling, wall and ground channellings for wiring installations
- 4) Channels, collecting containers, and pump sumps for collecting waste and overflow water.
- 5) Waste bins, dumping and collecting containers for sorted out material streams
- 6) Sharpening equipment and tools for blade servicing and replacement.
- 7) Machines, tools and equipment necessary for service work.
- 8) Filling of the washing plant with water, as well as supply of all necessary additives.
- 9) Complete lifting equipment and aids for unloading, transport and installation of the plant in the customer's factory (crane, forklift).
- 10) Keeping the guidelines for a safe working environment and plant operation according to effective standards:
 - Fire prevention and protection systems
 - Plant heating and/or air conditioning
 - Devices or cabinets for overall reduction of sound level
 - Personnel safety devices and equipments
 - Plant illumination
- 11) All official authorizations necessary for installing and running the plant and the responsibility for keeping requirements.