

## ENGINEERING & EQUIPMENT CO. RUBBER CHIPPING SYSTEM TO PRODUCE 1,000LBS/HR



### *Step 1) Removes sidewalls to:*

- Pre-process prior to shredding/grinding and separate sidewall rubber from tread rubber
  - Using the SR1-1

### *Step 2) Extract Steel Bead Wires to:*

- Recycle the high tensile steel bead wire
- Create 100% steel-free rubber sidewalls
  - Using the BWR5-1

### *Step 3) Shred Sidewalls to:*

- Produce 3/4" minus rubber chips
  - 100% steel-free
  - 1,000 to 1,500 lbs/hr
  - Using the SC15-1

### *Step 4) Section Treads for Disposal:*

- Section treads for easy handling and for proper disposal
  - Using the T3C5-1

The entire system can operate on single phase electricity. No special concrete slabs are needed, but an even and smooth surface is highly recommended. The entire system with one set of the above mentioned machines can fit within a 500sqft area (approx. 11'x18')

Step 3 includes an Elevator Bucket Device, a Sorting Table and 3 Super Sack Holders for immediate product storage.

*See it in action at our website*

**www.eaeco.com**

For more information call

928-757-5061 or email us at [info.eaeco.com](mailto:info.eaeco.com)

# Basic Equipment Required

## *Step 1)*

Remove sidewalls with our SR1-1



## *Step 2)*

Extract steel beads with our BWR5-1



## *Step 3)*

Chip the de-beaded sidewalls with our SC15-1



## *Step 4)*

Section the treads with our T3C5-1



# Step by Step Process

## **STEP 1: Sidewall Remover model SR1-1**

The SR1-1 is designed to remove the sidewalls from passenger and light-truck tires. This step is intended to separate the sidewalls from the tread material. This step produces will produce 2 sidewalls and 1 tread. The sidewalls are passed to the next step in the operation to have their steel beads removed. The treads are passed towards the tread sectioning step.

**Electrical:** Single Phase, 120V, 1hp

**SR1-1:** Includes with the following:

- \*12 month limited warranty
- \*Lifetime technical support
- \*Excludes spare parts
- \*Excludes shipping from our factory to destination location

## **STEP 2: Bead Wire Remover model BWR5-1**

The BWR5-11 is designed to remove the bead wires from passenger and light-truck tire sidewalls produced from step 1. This step extracts the steel bead wire with at least 90% purity of rubber contaminants. This step creates a 100% steel-free sidewall that is ready to be chipped.

**Electrical:** Single Phase, 240V, 5hp, requires compressed air at 120psi and 5cfm

**BWR5-1:** Includes with the following:

- \*12 month limited warranty
- \*Lifetime technical support
- \*Excludes spare parts
- \*Excludes shipping from our factory to destination location

## **STEP 3: Sidewall Chipper model SC15-1**

The SC15-1 is designed to process the de-beaded sidewalls from step 2. Approximately 1,000-1,500lbs of .75”-.375” 100% steel-free chipped rubber is produced.

**Electrical:** Single Phase or Three Phase, 220V-480V, 15hp total

**SC15-1:** Includes with the following:

- \*12 month limited warranty
- \*Lifetime technical support
- \*Excludes spare parts and Elevator Bucket Conveyor, Sorting Table, and Super Sack Holders
- \*Excludes shipping from our factory to destination location

## **STEP 4: Tread Cutter model T3C5-1**

The T3C5-1 is designed to cut the remaining treads into multiple pieces to reduce transportation costs for disposal or to create any marketable product such as Tire Derived Aggregate. Your local market demands or disposal entities will dictate the ultimate size of tread sections.

**Electrical:** Single Phase, 220V, 5hp

**T3C5-1:** Includes with the following:

- \*12 month limited warranty
- \*Lifetime technical support
- \*Excludes spare parts
- \*Excludes shipping from our factory to destination location

# Additional Notes

## **PAYMENT TERMS:**

- 50% Non-refundable payment with signed contract
- 50% Due upon completion and prior to shipment.

**NOTE: This Proposal is valid for sixty (60) days. Please allow 4-6 weeks for manufacturing time after the first payment is received.**

## **EXCLUDED:**

- Installation
- Start up and Training
- Utility runs, wiring, piping, air line
- Off-loading of equipment from trucks and containers
- Off-loading of equipment from containers
- Setting and placing of equipment.
- Freight Charges
- Taxes, permits, licenses, import duties or tariffs, drayage, dock fees, offloading, installation, site assembly, foundation, foundation design, power supply, interconnecting wiring & conduit, hoses, piping and fluids (unless otherwise noted). All options are excluded.

## **Customer Responsibilities Include:**

- Leveling equipment relative to each other
- All utility runs to each piece of equipment (air and electrical wiring) conduit as required by law
- Main power supply to and control panel with disconnects and all power connections
- Off-loading equipment from trucks and containers
- Setting and placing all equipment in nearest installation location.
- Two general labor assistants
- Adequate air supply

## **Site Requirements:**

- Preferred min. 500 sq. ft. building 10' + clear ceiling height
- Min 200amp at 220 volt service for 60Hz frequency supply
- Access for feedstock delivery and yard storage

## **Other Costs Considerations not included:**

- Above prices are estimates only for budget purposes
- All prices are USD
- All shipments are "Ex Works" Kingman, Arizona, USA
- All Necessary Permits
- Unloading of Equipment
- Placement and Installation
- Storage of Equipment
- Electrical Installation
- Fire Detection / Suppression Equipment

# Supplemental System Schematic

