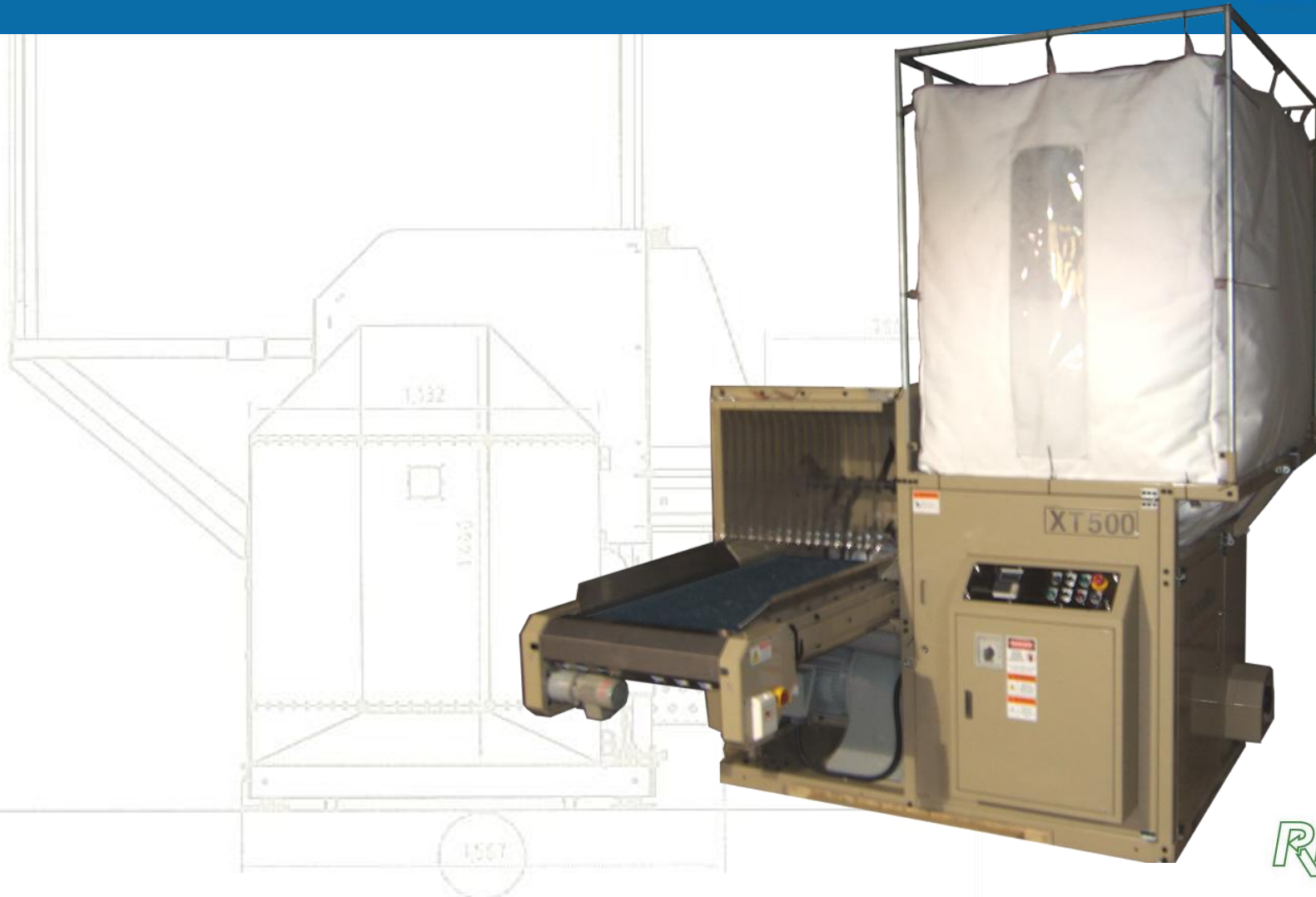


XT500

EPS Foam Densifier



The XT 500 EPS Foam Densifier by RecycleTech can reduce your total waste hauling cost by up to 80%. Our clients are not only saving money, but are also generating income from their EPS foam waste.

Why XT500?

- Densifies up to 500lb of EPS foam per hour
- Capable of handling large quantity of wet and dry materials
- Built-in Conveyor, Blower and Silo System
- Energy efficient and low maintenance cost
- Volume reduction ratio of up to 90 to 1 of EPS materials
- Easy to use and maintain
- Compact and efficient design but powerful
- Safe operation



Technical Features and Advantages

Conveyor system	<ul style="list-style-type: none">• Fast and effective loading of EPS materials• On/off button on the side of the conveyor
Silo and blower	<ul style="list-style-type: none">• Handles large quantity of dry and wet materials and stores shredded EPS into 50 in x 75 in x 67 in (W x L x H) size silo while producing ingot• When the gate between the silo and the cylinder is closed, the remaining melted EPS can be removed for cleaning.
Turbo screw	<ul style="list-style-type: none">• The core of this technology is on the screw that it can adjust compression rate fro 0.4 to 0.8 by motor rotation speed and compression rate.
Control panel	<ul style="list-style-type: none">• Easy control by Digital display temperature controller and simple on/off operation
Safety	<ul style="list-style-type: none">• Safe operation with two emergency switches on the control panel and the conveyor side• Wired emergency switch above the entrance of the machine• Signal rings before the motor start to run to prevent dangerous situation.• Protection cover for the heater
Auto Cutter (optional)	<ul style="list-style-type: none">• Auto cutter let's the user take control of the size of the ingot by setting chopping interval.

EPS Recycling Procedure



- Volume reduction ratio up to 90 to 1
- Densifies up to 500lbs of EPS foam per hour

Product Specifications

Crusher Entrance Size (in)	34.5 x 29 (W x L)	
Material	EPS (Expanded polystyrene)	
Power Line	Main Power Cord (4 internal wires)	
Power	Rated Voltage	Three Phase 480V 60Hz
	Driving Motor (kW)	30 + 3.7 + 0.2
	Band Heater (kW)	2.4
	Current (A)	Max 63 Min 30
Dimension (in)	97.5 x 128 x 129 (W x L x H)	
Weight (lbs)	4850	
Rotation (RPM)	Motor	1770
	Reduced Gear ratio	10:1
	Crusher	67
	Screw	300
Operating Condition	Temperature (°F)	-14 ~ 122
	Humidity (%)	10 ~ 90
Temperature Setting	EPS 150 °C, +/- 30 % (depending on the foaming ratio and the moisture condition)	

Schematics

