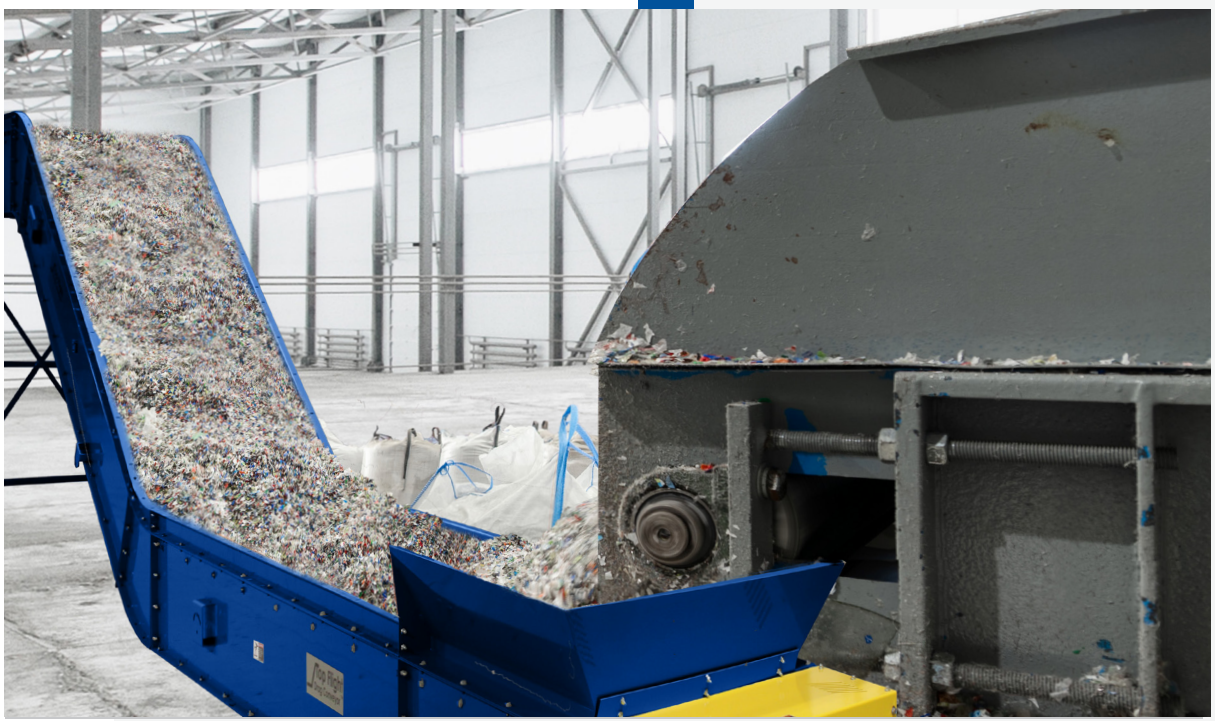
ENDURA-VEYOR INC.

Performance by Design—
Innovation Through Experience

Solution Spotlight: Top Flight Drag Conveyor™ for Transporting Shredded Plastic Film

Why Endura-Veyor, Inc.

Endura-Veyor, Inc. focuses on providing superior customer service, competitive pricing, quick and reliable delivery, innovative products, and lifetime technical assistance on everything we sell. We strive to be a Trusted Advisor to our clients by providing applications assistance based on many years of industry experience. Contact Endura-Veyor to see how our innovative high quality products can be put to work for you.



1. Boosts performance

The Top Flight Drag Conveyor™ combats damage and downtime commonly associated with the handling of stubborn plastic film and plastic purging.

2. Increases efficiency

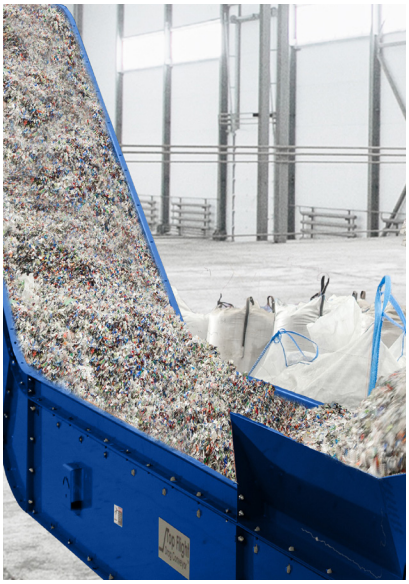
UHMW flights effectively handle and contain static charged shredded plastic film on the conveyor for a less problematic shredding process.

3. Maximizes throughput

This impressive conveyor maximizes speed and production rates to keep up with high industrial shredding throughputs and surge loading.

Overview

When it comes to solving challenges associated with jamming and troublesome materials for a wide range of applications, Endura-Veyor, Inc.'s Top Flight Drag Conveyor™ remains unrivaled. Bringing the durability of drag chain conveyors to a broader range of applications traditionally handled with Z-style fabric or steel belt conveyors, this versatile, game-changing conveyor handles a range of loose, problematic materials in many environments and accommodates challenging loading conditions.



"File:Clean Shredded Plastic Folk.jpg" by Barpihlsood is licensed under CC BY 3.0

Application:
Toll Grinding Plastic Film
and Plastic Purging

The Challenge

Plastic film and flexible packaging present a unique challenge to industrial shredding equipment often used in toll grinding as the need to recycle large sums of such waste continues to climb. An industrial plastic toll grinder lacked an efficient way to handle and transport high volumes of shredded plastic film for further processing. Lumps of plastic purging, commonly mixed in with plastic film waste, were also being shredded in this application. Shreds of plastic film can be especially problematic for standard conveyors to handle; light, fluffy, and low in bulk density, plastic film often overfills boxwall conveyors. High static charges generated by shredding also cause the material to disperse away or cling to nearly everything. Additionally, rigid, sharp, and hard plastic purging can accumulate in the rollers and tear the belts on normal sliderbed conveyors. Independently, these materials are stubborn and troublesome to handle and often disrupt or halt the recycling process. They may be comprised of the same plastic material but behave entirely different. Mixing them together created double the challenges, which no ordinary conveyor could solve.

The Solution

Endura-Veyor, Inc.'s Top Flight Drag Conveyor is specifically designed to tackle jamming, downtime, and maintenance issues caused by a range of problematic materials without compromising on speed and throughput. Sparking an immediate interest, this innovative conveyor became the ideal candidate to conquer this growing toll grinder's challenge. Powered by chain driven flights, the Top Flight Drag Conveyor could easily keep up with their industrial shredders' high output volume and surge loading. In order to effectively transport static charged shreds of plastic film, UHMW flights were used to enable low friction handling. The Top Flight Drag Conveyor effectively managed fluffy film and rugged purging simultaneously, essentially combining the abilities of two conveyor designs into one. As a result, Endura-Veyor's solution prevented long-term costs associated with maintenance, repairs, and downtime if standard conveyors were used in this unique application. In addition, after integrating this solution with their industrial shredders, this customer saw optimized processing and production rates that contributed to improving the success of their operation.

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