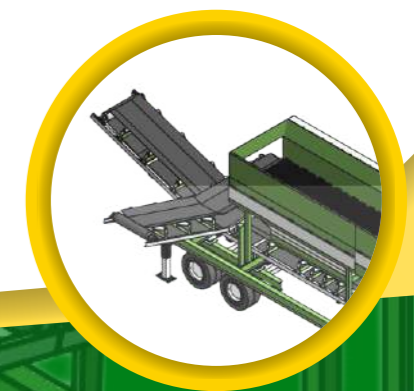
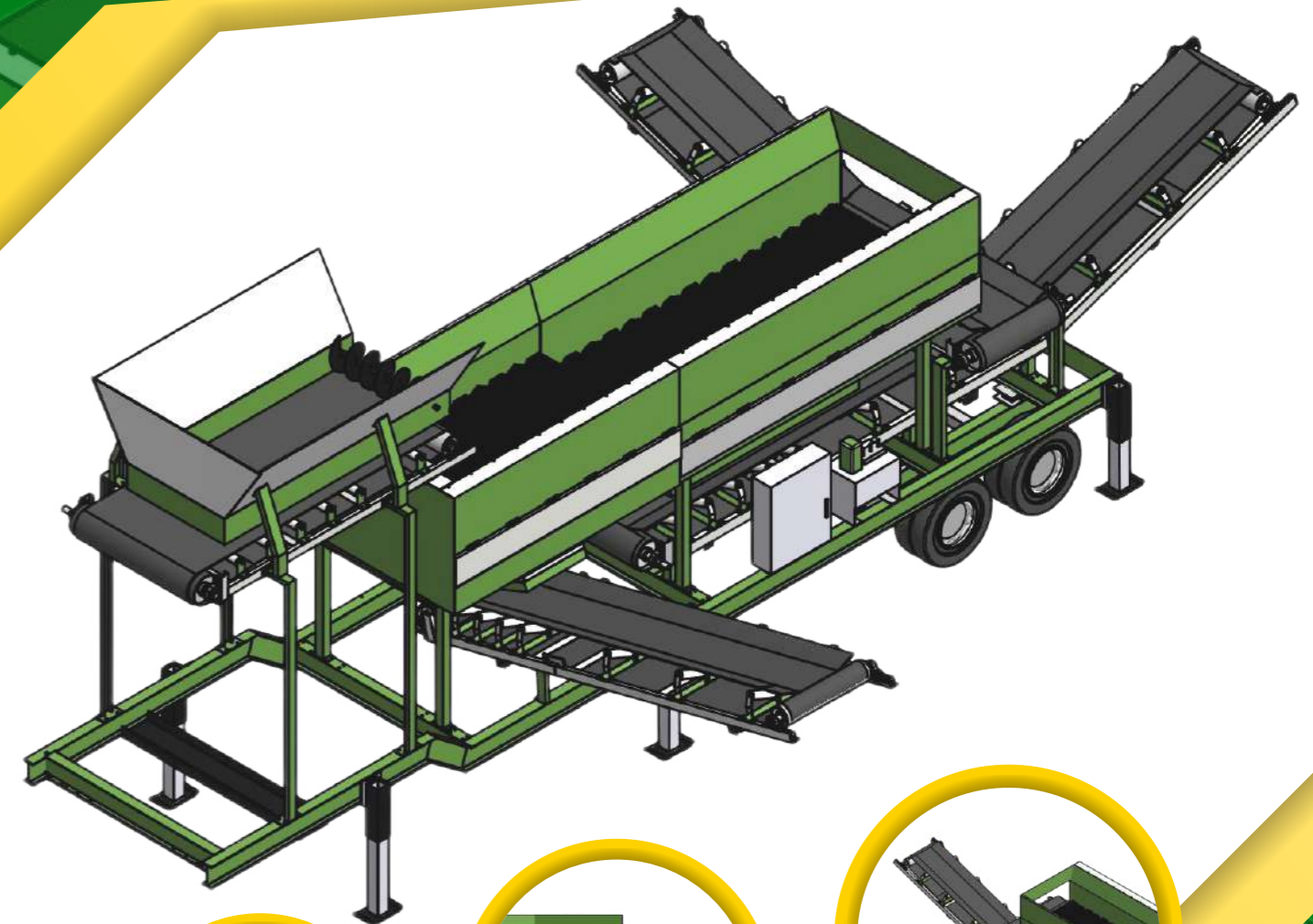




DUROMECH
control focused - technology driven



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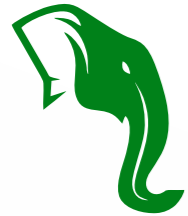
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Duromech®

DUROLL SCREEN



DUROMECH
control focused - technology driven

INTRODUCTION

Duomech® Duroll Screen technology uses a series of shafts with hexagonal flat discs made of alloy steel to ensure maximum wear and abrasion resistance. Thanks to this shape, the material flows over the screening discs and is subjected to up-and-down vibrations that agitate and separate the waste. The screened material falls through the spaces between the discs, with the oversize material remaining on the discs which is conveyed to the end of the screening deck itself. The result is a separated and clean fraction, ready for the further processing.

Duomech® Duroll Screen allows real time changes to amend the screened product size ($\pm 30\%$), which can be obtained by varying the speed of the shafts with the help of the inverter. The available screening sections range from 10 to 30 mm. The Duomech® Duroll Screen technology enables Duomech® machinery to separate materials faster, using less space and reaching a productivity level of up to 200 t/h.

The traction shaft is covered with loose sleeves made of highly resistant material, which are independent of the rotation of the shaft itself. This prevents the long and fibrous parts of the material getting wrapped around the shaft. This is critical for optimal screening results and for considerably reducing downtime.

BENEFITS OF DUROMECH DUROLL SCREEN

TASK OF THE SCREEN:

The mechanical separation of waste materials by screening is becoming increasingly important for both the environment & the economy. This process involves the recycling of different types of materials and the recovery of the associated valuable commodities, minimizing landfill costs, all with very low energy consumption and lifetime costs. Conventional vibrating screens, trommel screens have severe limitations with screening materials that clog, wrap, and blind the screen. Duomech Duroll Screen was developed to screen the most difficult materials and address these common operating problems.

THE DUROMECH DUROLL SCREEN SOLUTION:

Clogging system, developed for urban and industrial waste through years of experience and testing. The solution involves the isolation of the machine shafts from the material flow in coordination with the liberation of the material through the disk. The disks and robust construction of the machine provide superior wear characteristics and reliability.



ADVANTAGES OF DUROMECH DUROLL SCREEN:

- ZERO CLOGGING AND ANTI-WRAPPING SYSTEM.
- SCREENING SPEED VARIATION.
- SCREENING SIZES RANGE FROM 10 - 30 MM.
- EXTREME EFFICIENCY
- HIGH CAPACITY, SMALL FOOTPRINT
- LOW PROFILE
- FLEXIBILITY FOR DIFFERENT MATERIAL STREAMS
- LOW OPERATION COSTS
- LOW WEAR COSTS
- LOW HORSEPOWER
- ROBUST CONSTRUCTION

DUROMECH PROVES TO BE THE BEST SOLUTION FOR SCREENING:

- SHREDDER RESIDUE
- METALS
- INCINERATOR ASH
- MUNICIPAL SOLID WASTE
- REFUSE DERIVED FUEL
- COMPOST
- C & D
- PLASTIC & P.E.T. BOTTLES
- SOLID RECLAMATION
- LANDFILL RECLAMATION
- WASTE WOOD
- BIO-MASS
- ORGANIC WASTE
- TIRES
- HAZARDOUS WASTE

