



DUROMECH[®]

BALLISTIC SEPARATOR

DUROMECH BALLISTIC SEPARATOR

INTRODUCTION

The **BALLISTIC SEPARATOR DUROMECH** is the best choice for an effective sorting process at low cost and with high availability. The ballistic separator is Suitable for sorting Municipal Waste.

- » Machine is designed for sorting of Bio-degradable and non bio-degradable Solid of Waste.
- » The conveying speed, the ballistic separation and the level of material mixing can be adjusted by modifying the rotational speed. A separation precision of up to 90% can be achieved with the DUROMECH Ballistic Separator.
- » The Ballistic Separator persuades with its sturdy machine design for continuous operation, with its wide variety for different types of application and with its patented bearing.
- » The machine is driven by an electric gear motor.
- » The corresponding frequency converter is also supplied.
- » The sieve grids are easily exchangeable.
- » Rugged machine-design for durable application
- » Up to five fractions in one step
- » High Trough Put



MAIN PARTS

Elevated roof	01
Propulsion fan	02
Access door and ramp	03
Electrical panel	04
Maintenance trolley	05
Maintenance window	06
Hydraulic lifting system (adjustable 9° - 18°)	07
Greasing system	08
Motor brake	09

All of the Ballistic Separators have the same characteristics, regardless of the model type, they only increase in terms of the width of the machine by 854 mm for each new model.

ADVANTAGES OF DUROMECH'S BALLISTIC SEPARATOR

- Separate Shafts for each CAM, so that if crank of single CAM wears out then there is no need to change the complete shaft, single piece can be changed.
 - All CAM's and Shafts are on bolting so that the downtime for any kind of maintenance is very less.
 - Central Lubrication System for all the bearing so that there will be timely lubrication.
 - As the input material is with higher moisture content so the material selection for sieve for paddles of ballistic separator will be Stainless Steel, so that the paddles don't get choke and the life of the sieves will be higher as compared to the M.S. sieves.
 - Maximum numbers of bearings are being used in the cranks arrangement so that the operation should be smooth and trouble free.
 - Material for Web and Cranks Shafts are alloy steel so that there should be least wear and tear of the machinery with higher load bearing capacity.
- The machinery with higher load bearing capacity.



FEATURES

- Sturdy & Solid design of the Ballistic Separator «
- Separation into three fractions done in one step «
- High separation quality «
- Numerous parameter settings «
- Dedusting and cleaning of lightweight fraction «
- from fine debris and adhesions
- Optimal separation result with different materials «
- Maintenance-friendly bearings and shafts «
- Exchangeable sieve grids on the paddles «
- Easy and Direct Drive System «

TYPES OF PADDLES

4 PADDLES

is the smallest model of ballistic separator produced by DUROMECH It can be used in small plants or, in combination with the air separator, to increase the quality of the selection.

8 PADDLES

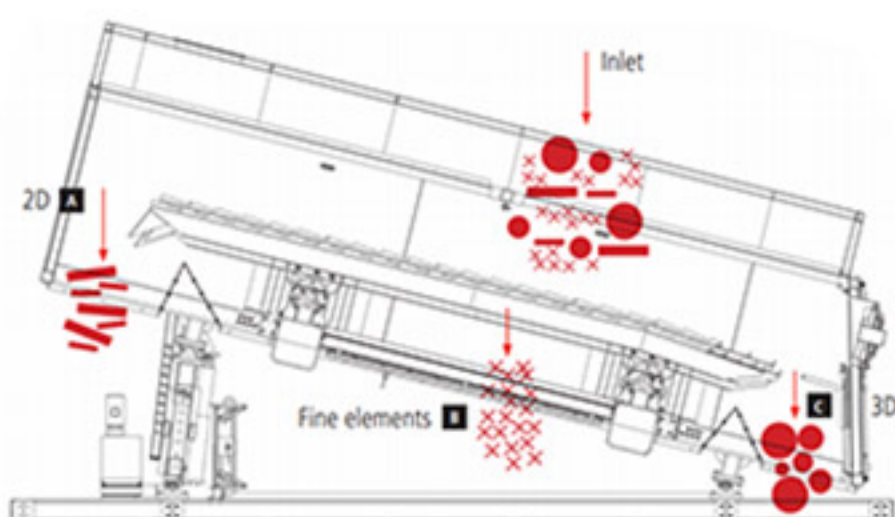
intermediate model that can also be supplied in the version with the oversized paddles, to increase the screening surface while keeping the same number of paddles and slightly increasing the overall dimensions. The functions that this machine can perform are many, from the selection of cardboard > A4 to the separation between bottles (3D) and film (2D) in the plastic flow.

12 PADDLES

model designed to meet the needs of waste sorting plants with considerable flow rates; available both with standard and oversized paddlese.

16 PADDLES

is the largest model of ballistic separator produced by DUROMECH Hand one of the largest ballistic separators in the world market. To meet the demands of systems with increasing flow rates (50+ t/h sorting lines), DUROMECH provides a ballistic separator with 16 oversized paddles, a separator with an internal width of almost 6 meters and a screening area of $\approx 32 \text{ m}^2$.



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