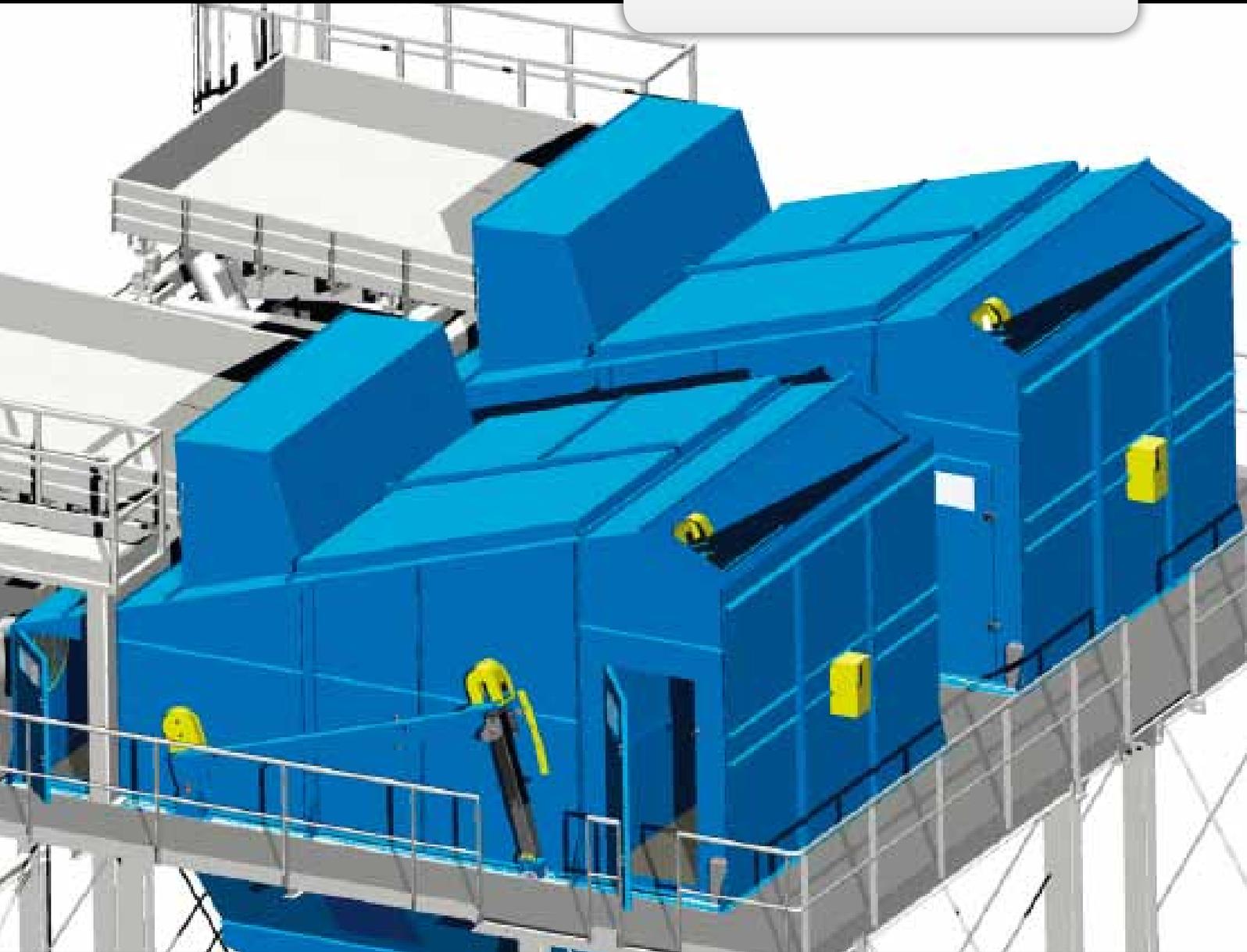




PARINI
WASTE SORTING TECHNOLOGY



SBA BALLISTIC SEPARATOR

more than 50 installations in the whole of Europe





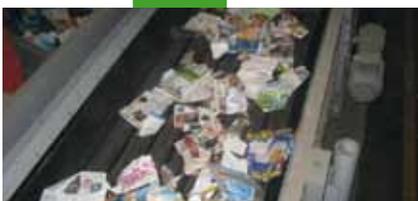
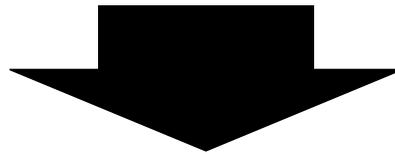
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The ballistic separator allows to separate items efficiently from an unsorted flow of waste of various recyclable fractions.



INCOMING MATERIALS:

*paper and cardboard
light packaging, paper, film,
beverage containers
industrial waste
urban waste*



LIGHT AND FLAT FRACTION

*paper
film
textiles
cardboard*



SCREENED FRACTION

*size based on the dimensions of the
holes chosen for the surface of the
paddles*



HEAVY ROLLING FRACTION

*cans
plastic containers
wood
stones
metals*

OPERATING PRINCIPLE

The machine consists of a series of parallel paddles. These are mounted on eccentric shafts and perform an "orbital" movement. The set of paddles can be tilted either manually or automatically by a degree (from 10° to 20°) in relation to the horizontal plane.

The rotation movement (at a variable speed) and the tilt of the paddles convey the materials in different directions based on the physical properties and shape of the materials.

The **heavy/rolling fraction** is conveyed towards the lower part of the paddles and the **light/flat fraction** is conveyed towards the upper part.

By increasing the tilt of the paddles, the light/flat fraction is "cleaner".

The amount and size of the third fraction, the screened fraction, depend on the available selection surface and the holes in the paddles (adjustable holes available as optional items).

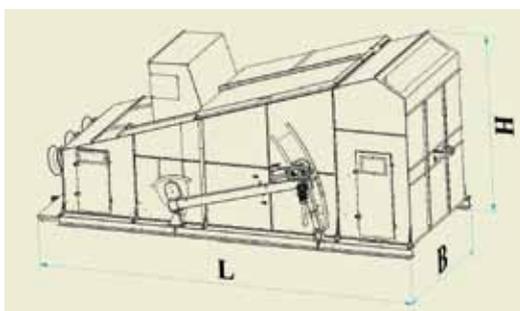
The paddles are tilted either automatically or manually, regardless of the fixed outer covering frame.

This allows to install fixed hoppers to connect the ballistic separator and the conveyors, thereby preventing any dispersion of dust or materials.



AEREAULIC SUPPORT

A set of fans located at the back of the ballistic separator helps the flat-light fraction move forwards, thereby further improving the sorting process and increasing the hourly output.



TECHNICAL FEATURES OF THE BALLISTIC SEPARATOR

	SBA4	SBA8	SBA8M	SBA8MP	SBA12
Overall dimensions L x B x H [m]	7.5x2.2x3.5	7.5x3.4x3.5	8.0x3.6x3.8	8.4x3.6x3.9	7.5x4.6x3.5
Number of paddles	4	8	8	8	12
Available surface [m ²]	6.8	13.6	18.2	19.6	20.5
Installed power [kW]	5.5	9.2	9.2	9.2	15
Weight [t]	7.8	9	10.5	11	12
Output [m ³ /h]	Up to 50	Up to 100	Up to 140	Up to 160	Up to 200



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