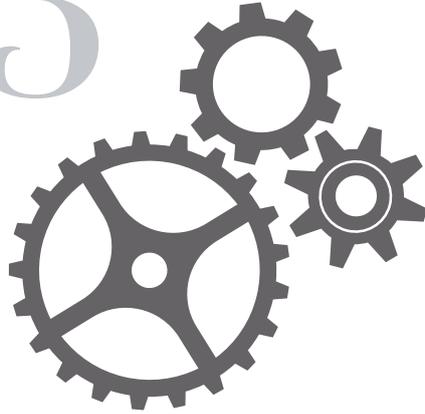


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## AUTOMATIC BIN EMPTIERS





# AUTOMATIC BIN EMPTIER

The automatic bin emptiers type **SAM** are ideally suited to **achieve homogeneous blending, through the vertical cutting of the material fed into the bin in horizontal layers.**

- **Types: SAM 75 - SAM 100 and SAML**, depending on the quantity and on the type of fibres to be processed;
- **Constructed to measure**, in order to suit individual space requirement with working-widths **varying from 2500 mm. up to 4000 mm.** The bins can have a capacity of over 400 cubic meters useful material;
- The bin emptier SAM is a **mobile unit which travels inside the bin** for the emptying operation and moves laterally in front of different bins;
- A leading feature of this equipment is the **complete use of the vertical space available** (in low premises) and suitability for working with several bins in line;
- The bins can be either of **steel sheet construction** or in the walled-up version;
- The material can be fed via a series of **stationary rotary distributors which work automatically in alternation** or by chute feed systems in the absence of moving air;





**The automatic bins type SAF are ideally suited to achieve homogeneous fibre blending**, at average and high production, through the perfect cutting of the material fed into the bins in horizontal layers. Various models are available depending on the type of fibres to be processed:

- **SAF 75** for short fibres (cotton cut);
- **SAF 100** for long fibres (wool cut);
- **SAF 100/R and 100/G** for fabric clippings, fibres to be regenerated and greasy wool;
- Constructed in working-widths which range from **2500 mm. to 4000 mm.**, the automatic bins SAF can have a capacity of over **300 cubic meters useful material**;
- Main features of bins type SAF is the **existence of a bottom apron covering the entire surface of the bin** to support and move ahead all the fibrous mass. The front bin emptier SAF doesn't move when working and takes vertical portions of the whole face of the fibres which are conveyed forward by the bottom apron;
- All models are also available with a **traversing emptier** which means that it is able to move laterally in order to empty two or more bins located side by side;
- **The Bin Emptiers SAM and SAF have been realized with simple technical features, basing on advanced technology** (automatic speed variation - detectors of work intensity with devices for intervention) which guarantee: **constant and high production, long life, low operative requirements, easy maintenance and cleaning.**



# AUTOMATIC BIN EMPTIER





**The continuous oiling system with rotary vessel in stainless steel model IB 2500, equipped with sprayer Idromix 350 for the preparation and addition of oil or other fibre additives for different applications:** The conventional blending and oiling bin, with pneumatic feeding via cyclone - for oiling application onto conveyor belts or rotary drum condenser above the bins - the most sophisticated electronic application with continuous control of the weight of fibres at the inlet which ensure homogenous distribution in the vessel, **IDROMIX PROCESS**.

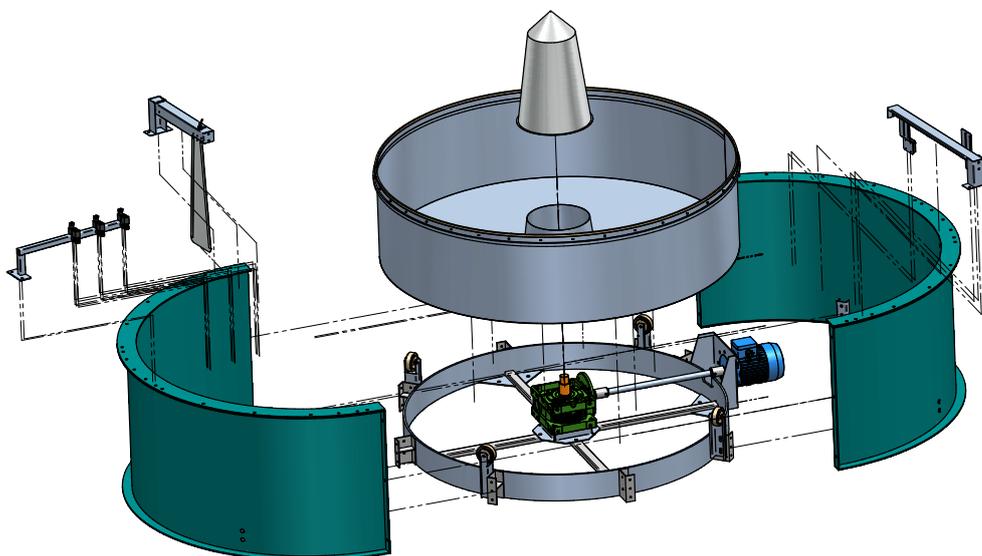
The rotational speed of the vessel, the percentage of lubricant applied and the degree of suction are all adjustable which makes this **equipment suitable for all applications and production levels**.





New studies and experiments carried out in view of the various problems connected with the application of oil and other additives have led to the realisation of the **new spraying system for direct application to the fibres being fed into the blending bins via conveyor belts.**

The blend is sprayed and fed into the bin where it has time to absorb the lubricant before being in contact with pipes or with any other parts of the plant.





**Detail of the oiling system during the unloading of the fibers into the blending box.**



