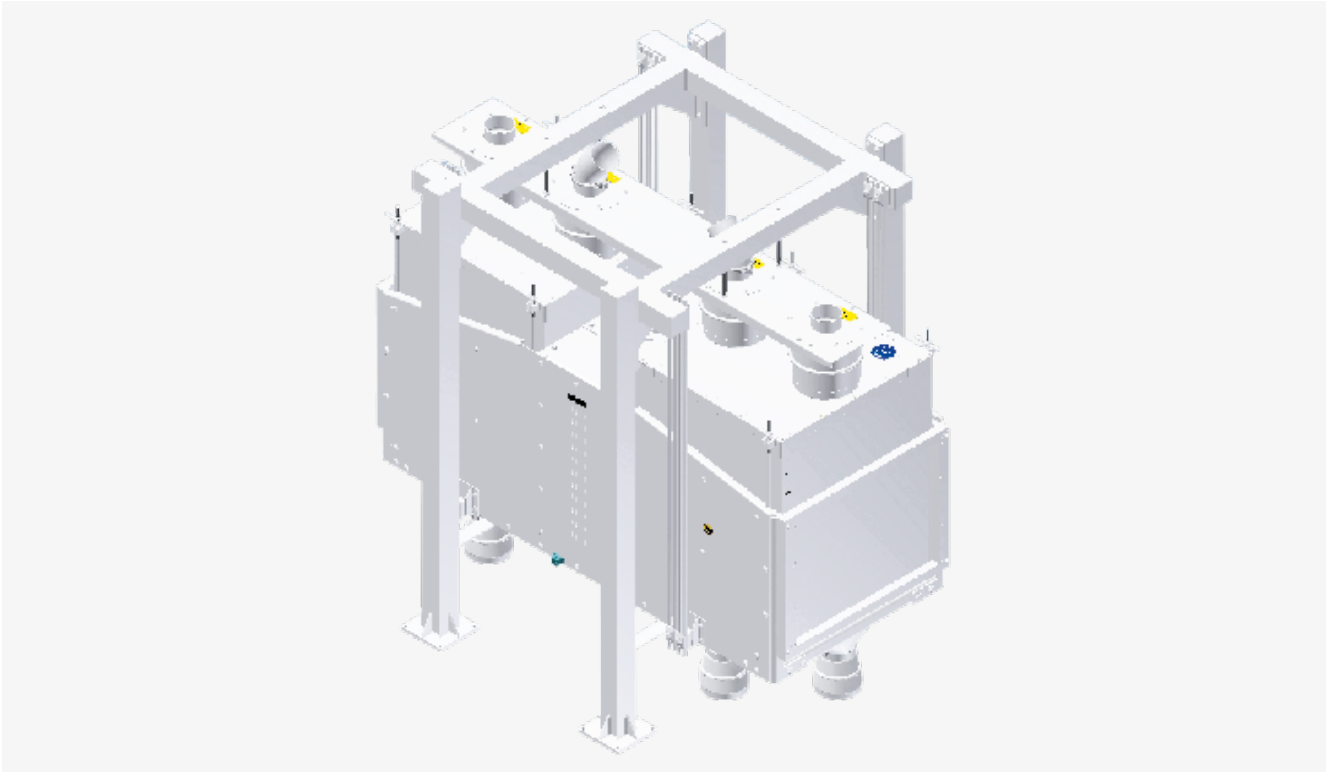
SuperSift Plansifter. **DRAA.**

Innovations for a **better world.**

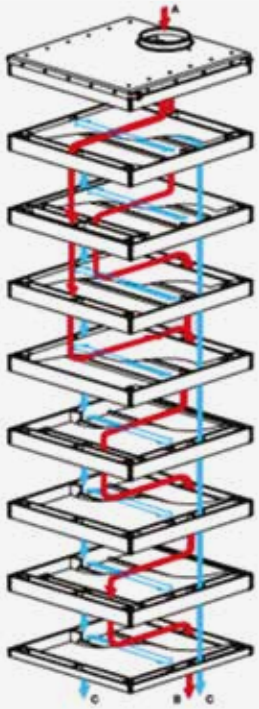
BÜHLER

SuperSift Plansifter.
High capacity – small footprint.



Bühler rice processing equipment is recognised worldwide for its efficiency and quality. The SuperSift plansifter (DRAA) maintains this standard, offering high throughput in an exceptionally compact size.

- Highly efficient sifting
- Easy to operate, clean & maintain
- Durable construction
- Reliable performance



Application

This plansifter has been designed to classify white rice by its kernel size. The most popular applications of white rice grading are:

- x4 outputs: big impurity, head rice, mixture and broken rice.
- x4 outputs: head rice, mixture, big broken rice and small broken rice.
- x3 outputs: Big impurity, head rice and broken rice.

Depending on the application required by the customer and the rice variants involved, the SuperSift configuration can be adapted to achieve the desired output performance.

Working Principle

Two sifter stacks, each composed of ten sifters, are suspended on reinforced plastic rods on metal supports. The sifters are secured with fixing rods and wing-nuts. At the base of the Plansifter, an eccentric weight rotates, driven via the transmission system, so that the sifter stacks swing, generating the sifting function.

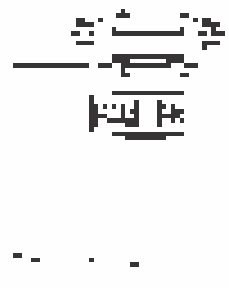
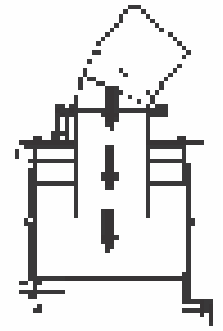
The rice to be sifted is introduced through one or more inlets and proceeds through multiple layers of sifters, each composed of wire mesh, with a range of grid sizes. Different sieve frame types allow multiple separations. In operation, there are two sifter stacks grading the product, separating it into 3 or 4 different flows. These separate flows are directed to the outlet frame. This frame directs the separated rice to spouts in the bottom plate. Inspection ports, underneath the plansifter, permit easy inspection of the output.

A = Inlet

B = Overs

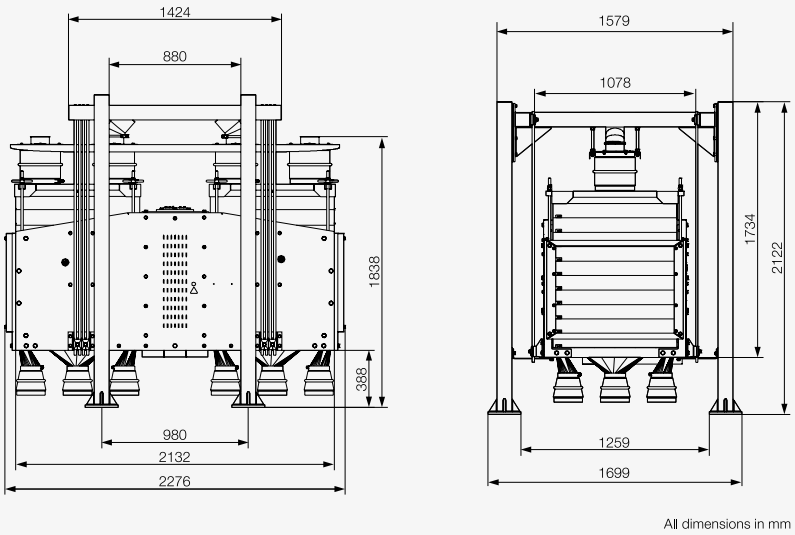
C = Throughs

Highly efficient sifting.
Trouble-free operation.

Feature	Function	Benefit
Aspiration 	The Plansifter has two aspiration connections, allowing airflow through the product, cooling it and removing moisture	The moisture content and temperature of output can be decreased, so it is in a better condition for subsequent processing and storage.
Adjustable balance weight 	The centrifugal weights can be adjusted, allowing the throw of the sifter to be set to the optimum value. The centrifugal weights are supported by sturdy, self-aligning roller bearings, lubricated with grease, resulting in low maintenance.	Machine flexibility and low maintenance.
Stainless Steel lining 	Sifter frames: plastic-coated wood, with stainless steel lining. Frame inserts: aluminium. In addition to its higher throughput, the sieve frame is constructed to maximise product safety. The sieves are glued in place to remove the risk of metallic clamps falling into the end product.	Reduced possibility of wear, lower spare parts cost and less downtime.
Inlet lead-in pipe 	The input flow will not contact the flexible connection, thereby avoiding wear to the connection.	Reduced possibility of wear, lower spare parts cost and less downtime.

SuperSift Plansifter.
Technical Specifications.

DRAA



All dimensions in mm

Dimensions, air and power requirements

Item	Value	Unit
Sifter stack	2	pc
Sifter per stack	10	pc
Total sifting area	8	m2
Capacity		5~7
Shaft speed	245	rpm
Rotation	Clockwise	/
Swing (throw) diameter	Φ 52±2	mm
Motor power	2.2	kW
Net weight	900	Kg
Dimension	2276 x 1699 x 2122	mm
Aspiration	10~15 @ -5mbar	m^3/min

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