

Gravity
Paddy
Separator.
DRTA.

Gravity Paddy Separator.

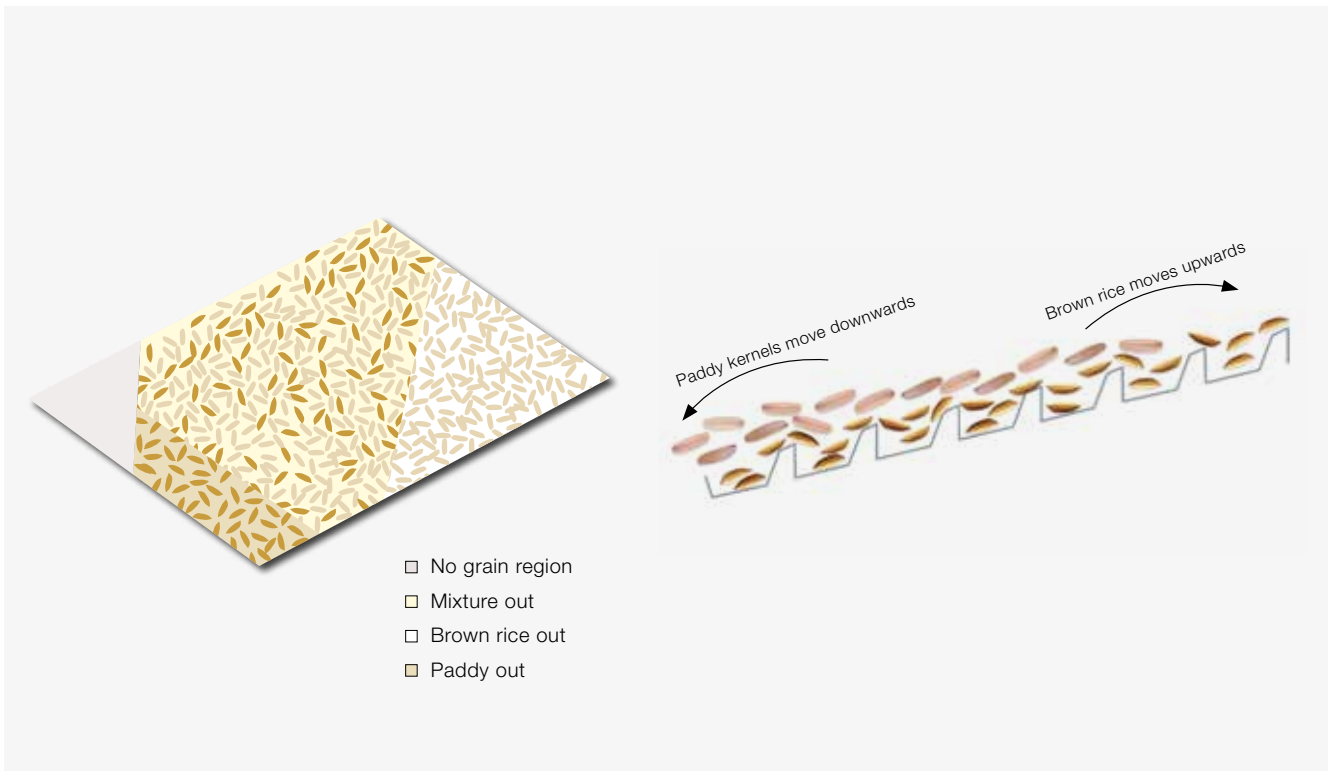
High separating capacity and accuracy.



High throughput and efficient separation makes the Gravity Paddy Separator (DRTA) the preferred choice of millers.

- Excellent separating efficiency
- Suitable for all kind of grains
- Compact size with high capacity output
- On/off control with infeed sensor





Application

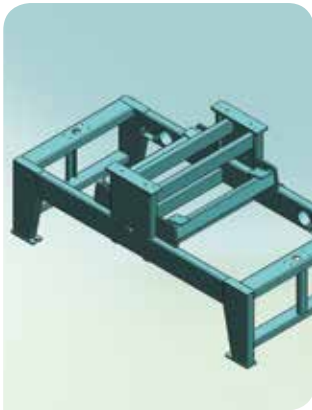
During hulling, paddy is de-husked and passes into the husk separator, where the husk is separated out. The mixture of paddy and brown rice passes into the DRTA gravity separator, where the paddy and brown rice are separated. The DRTA features easy-to-operate adjustments and can handle different varieties of rice, whether short, medium or long grain with, consistent efficiency and throughput.

Working Principle

The principle of operation of the DRTA is based on the distinct difference in size and shape of paddy and brown rice. The mixture of brown rice and paddy is fed through the inlet onto the indented reciprocating trays. The specially shaped indents enable separation of paddy from brown rice while the flow of the product is achieved by the inclined vibrating trays - paddy flows downwards while the brown rice moves upwards.

The DRTA has three outlets – one for brown rice, the second for paddy which is recycled back to the huller, and the third for the mixture of paddy and brown rice, which is recycled back to the inlet of the DRTA.

Highly efficient sifting. **Trouble-free operation.**



Base Frame

- Compact and sturdy
- Durable
- Small footprint
- Easy to install

Easy operation and adjustments

- Feed regulator for easy adjustment of product input
- Simple mechanism to control sieve plate angle

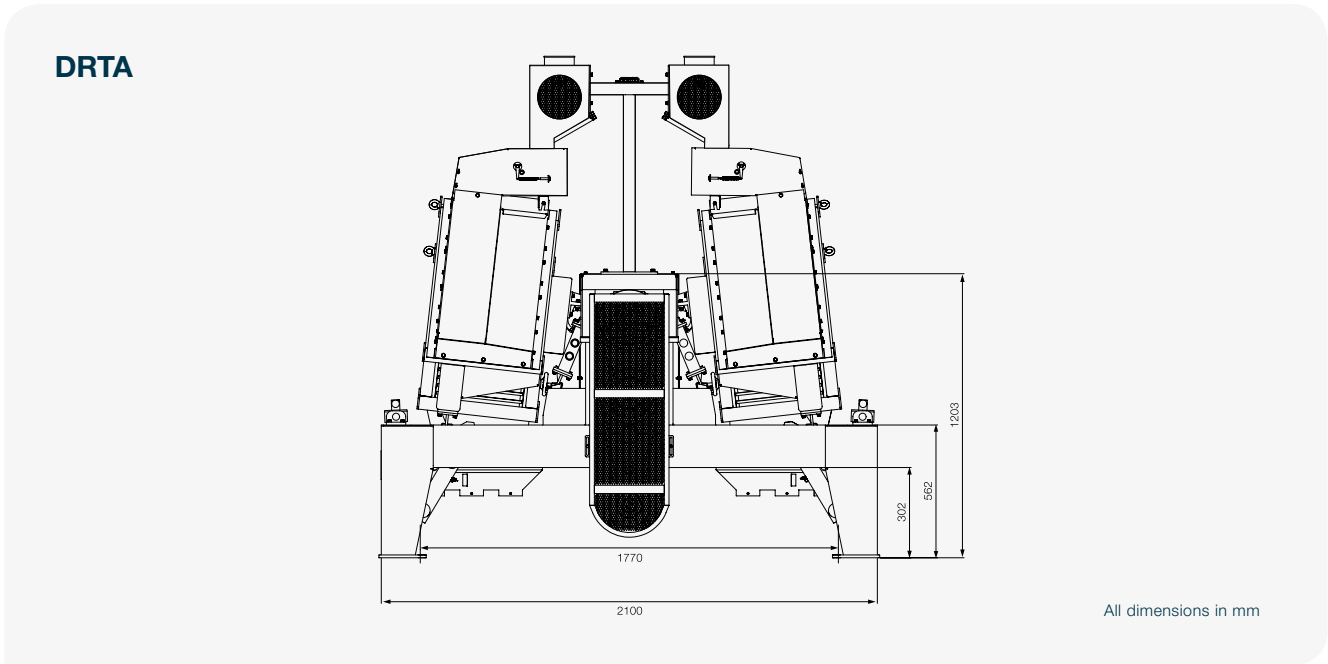
Designed for better efficiency

- Lateral angle adjustment for controlling
- Separation efficiency
- Longitudinal angle adjustment for varying capacity needs

High reliability and safety

- Sieve covered by organic glass which avoids dust exhaust
- Transparent lid at the unload position, to check the separating effect more easily
- Convenient sampling point
- Easy access to main bearing location for lubrication

Technical Specifications.



Dimensions, air and power requirements

DRTA

Capacity raw material (t/h)
 Capacity Brown rice (t/h)
 Power - 50Hz / 60Hz (kW)
 Weight - Gross (kg)
 Weight - Net (kg)
 Volume - Ocean Shipping (mm)

Capacity raw material (t/h)	7-8
Capacity Brown rice (t/h)	5-7
Power - 50Hz / 60Hz (kW)	2.2/2.53
Weight - Gross (kg)	1400
Weight - Net (kg)	1100
Volume - Ocean Shipping (mm)	2300 x 2300 x 2300

*Capacity as paddy & brown rice mixture input

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