

Give your rice milling process a head start.
SuperHusk rubber-roller huller and hull separator.

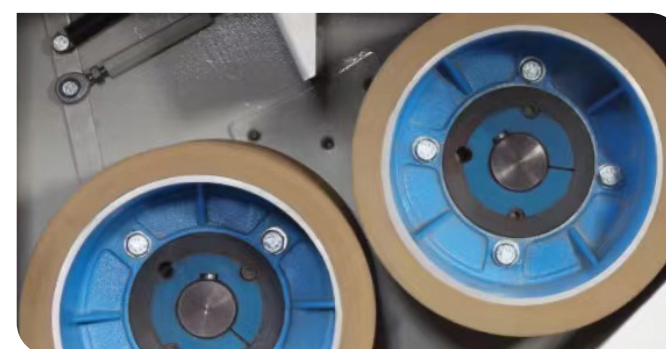
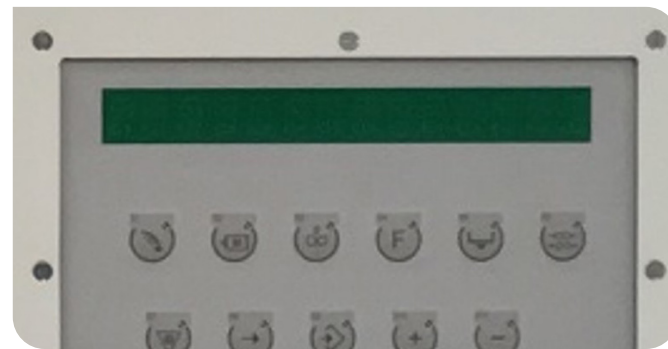


Power. Precision. Perfection.

Give your milling process a head start - Manual SuperHusk.

Designed to be powerful and reliable, the new compact SuperHusk huller will give your milling process a head start and is the perfect fit for any modern rice mill.

The feeding unit, combining a vibrofeeder and an extended feeding chute, accurately guides each grain at an optimal speed between the rubber rolls. Meanwhile, the huller adjusts its pressure according to the type of paddy, and the rolls are cooled by the aspiration air. The SuperHusk's unique automatic hulling pressure control means that both the hulling degree and readjustment of the contact pressure are fully automated and optimized, ensuring a clean and hygienic plant with no dust leakage.



Maximum capacity, minimum broken

- Capacity and yield is increased by 12'' rubber rollers, without affecting floor space
- Product pre-acceleration via chute assures minimum broken even at high capacity
- Feeding chute is adjusted to the perfect feed position automatically according to the changes in roller gap, ensuring uniform thickness and faster feeding speeds as the grains reach the rubber rollers
- Increase in husking yield by 5 to 8% compared to other hullers while ensuring less or same broken ratio

Precision performance and ease of use

- User-friendly button control for feed rate, hulling degree and feeding unit, with automatic disengaging at product flow interruptions and full display of status and errors
- Vibrofeeder helps to ensure precise feeding without choking
- Variable-frequency feeding with automatic tracking long guide plate helps control the flow rate
- Precise feeding avoids peeling and ripple on rubber roller surface during paddy hulling, extending the service life of the rollers

Consistency and perfection

- Automatic hulling pressure control ensures consistent hulling degree even when rubber rollers are wearing out, for consistent product quality
- Automatic feed point control compensates for roll wear
- Accurate setting of high hulling degree ensuring consistently perfect hulling at high capacity
- Consistent hulling degree for high head rice yield, steady power consumption and longer roller life

Optimal aspiration, cool and clean

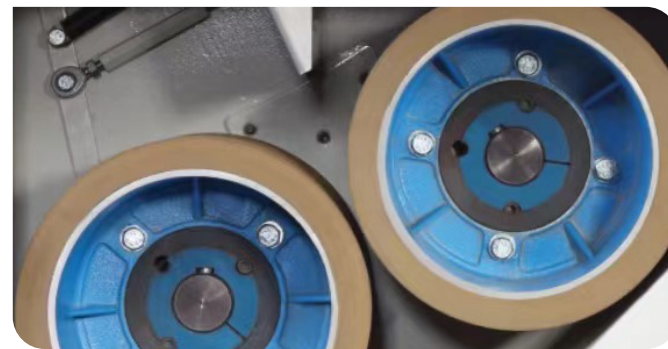
- Optimized air aspiration in the huller helps maintain a lower temperature for rubber rollers, ensuring fewer broken and extending service life
- Optimized air aspiration system ensures uniform abrasion levels and temperatures, with an aspiration volume of 10 - 15 m³/min

Automatic. Accurate. Economic.

For seamless performance at highest capacities - Automatic SuperHusk.

The automatic SuperHusk rubber roller huller: Unleashing the benefits of the manual version and beyond - take your hulling experience to new heights.

With the automatic SuperHusk, the automatic switchover of fast and slow rollers allows for accurate and independent adjustment of the linear speed of the two rubber rollers. This helps to ensure stable linear speed difference and inter-roller pressure, guaranteeing smooth and efficient hulling.



Dual drive system for maximum energy savings

- Two interconnected VFD-controlled motors – the faster roller drives the system, while the slower acts as a break for power regeneration
- The regenerated energy is brought back into the energy circle for reuse
- Two individual motors means advanced optimization potential thanks to high precision and flexible speed settings
- Consistent operating current and line speed, with energy savings of up to 10%

Automatic speed changeover for reduced rubber consumption

- Timed automatic switchover of fast and slow rollers reduces rubber consumption
- Time-based automatic switchover of rubber roller can be easily adjusted and customized in the control panel
- Linear speed is compensated when rubber roller abrasion is detected, ensuring a constant linear speed difference and stable hulling
- Reductions in rubber consumption of up to 40%, in addition to lower energy use

The best hulling performance with minimum broken

- Advanced automatic hulling pressure control thanks to high-precision measurement of roller diameter
- High hulling capacity without increasing the broken rate
- When rubber roller abrasion is detected, the sensor-based gap measurement aids in readjusting both the gap and linear speed
- Even roller abrasion and temperatures, with consistent hulling quality
- Consistent gap even when changing paddy varieties is achieved due to recipe management, allowing different parameter settings depending on the processed paddy

Intuitive smart control unit

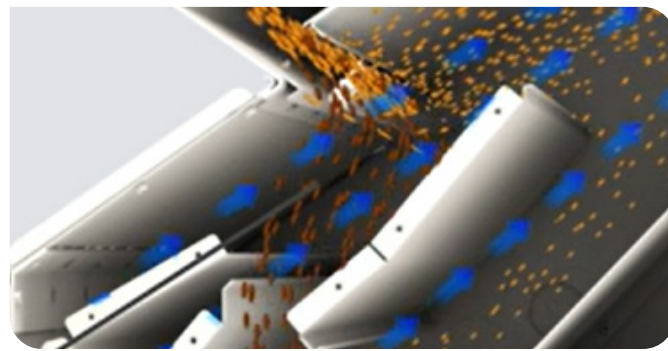
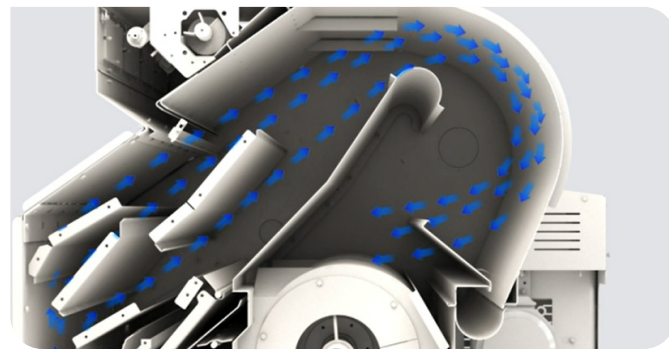
- Industrial-grade touch panel showing running status with advanced recipe management system
- Fully automatic operation mode, alarm and error overview, and intuitive user interface for fine adjustments
- High flexibility in optimizing and customizing hulling operation, and easy adjustment of hulling degree

Sleek. Streamlined. Simple.

For maximum accuracy, with minimum dust and maintenance.

This design of the machine eliminates the need for a third fraction, and guarantees highly accurate husk separation. The process can be easily inspected through the large sight windows and accurately adjusted with the ergonomic levers.

The generously sized husk separator works with the optimized flow of grains in a closed air circuit to accurately separate the husk from the brown rice, generating two clean fractions.



Economical and dust-free

- Fully-enclosed hulling structure to eliminate dust leakage
- Built-in low-power motor to reduce power consumption
- Built-in 4kw fan for self-circulating hulling
- Hygienic design

Targeted separation, consistent quality

- Dual separation zones reduce material layer thickness, enhancing capacity and precision
- Consistent rice processing quality with targeted separation
- Ratio of rice husk to the mixture is below 0.5%, with less than 0.02% of unhulled rice in the husk
- Ensures uniform material separation for optimal separation effect

Easy adjustment, low maintenance

- Visual adjustments, with no need for shut-down
- Product distribution can be observed at any time during production and adjusted without opening the access door
- Low maintenance requirements and ease of operation and inspection

The perfect power duo.

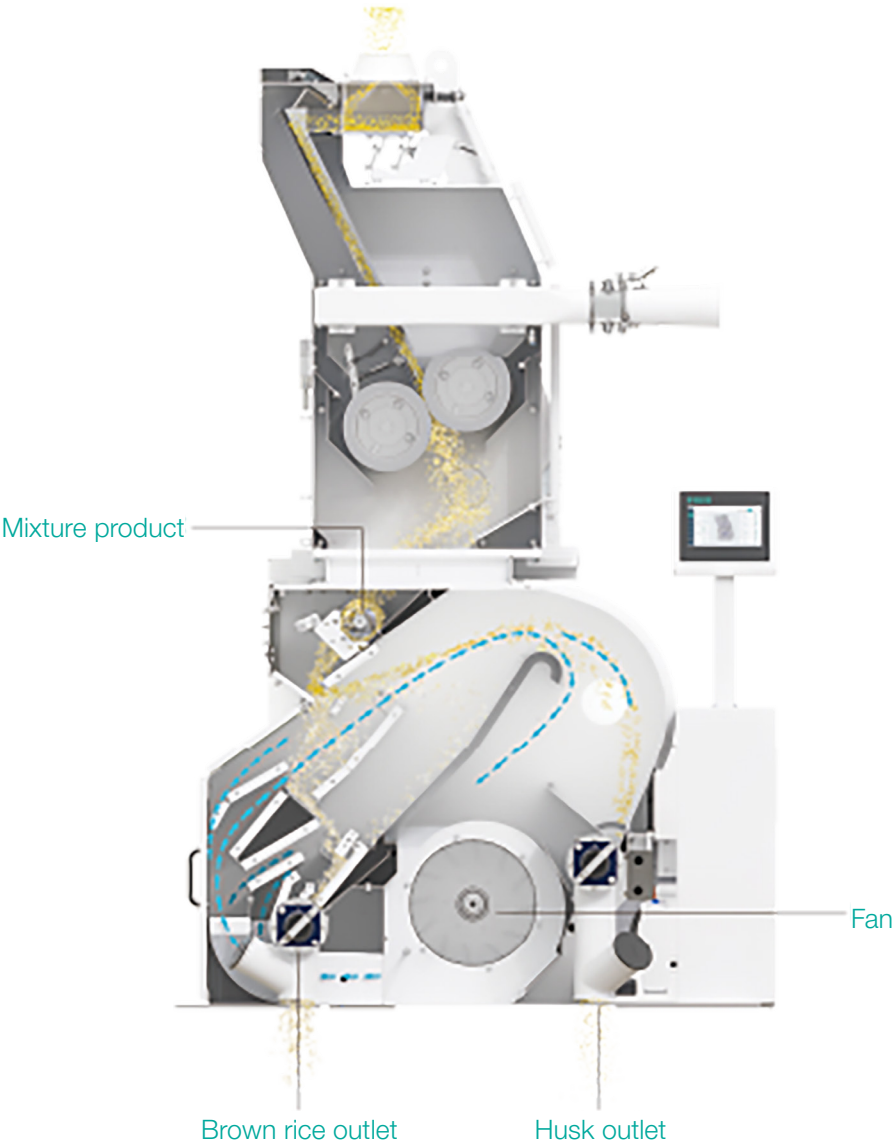
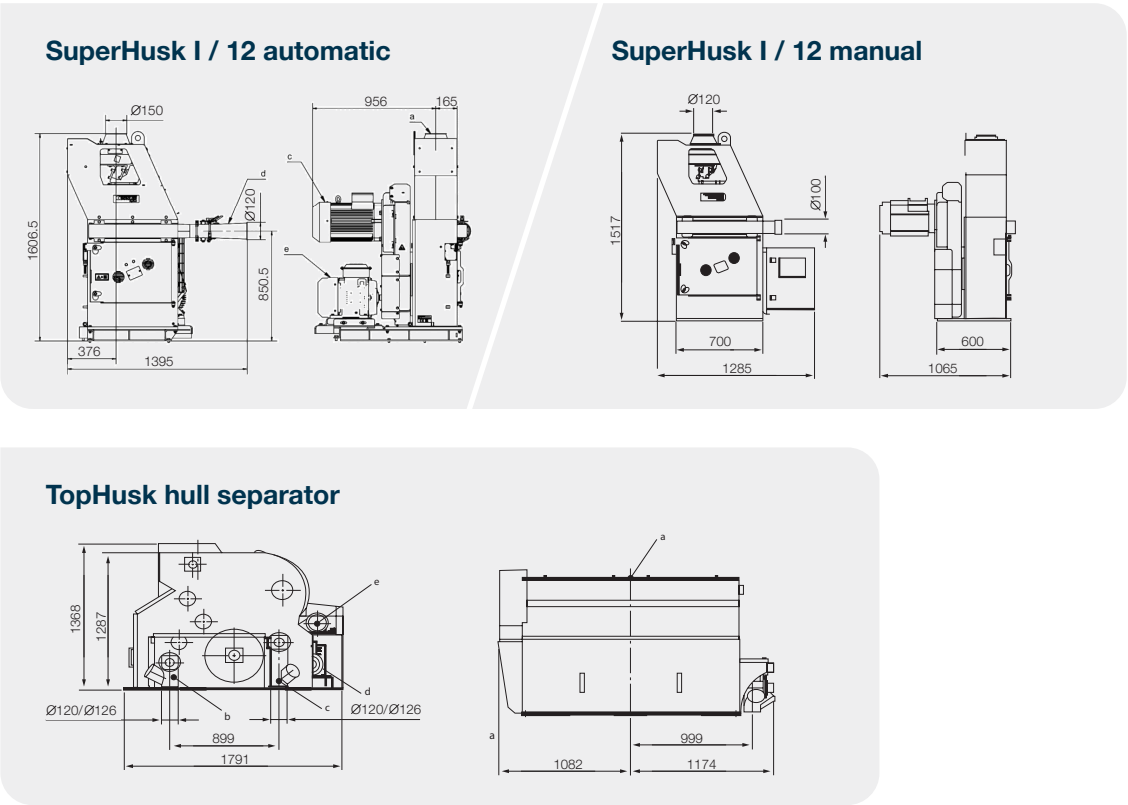
Technical data.

Hulling is the process of removing husk from paddy, achieved through the gentle action of rubber rolls. The husk aspirator separates the husk from the rice using air aspiration. The SuperHusk rubber roller huller boasts a strong, reliable, and compact design, making it an ideal match for modern rice mills. Paired with the efficient and hygienic husk separator, the SuperHusk offers an intelligent solution for maintaining consistent product quality with minimal breakage.

Paddy enters from the feed inlet to the vibrating feeder through a buffer unit, with adjustable vibration frequency to accurately control the feeding capacity. As the product flows to the hulling area, the surrounding air aspiration system cools the rubber rollers while the husk separator ensures absolute precision. The product is efficiently separated into two parts – the mixture of paddy and brown rice, and husk – while dust is prevented from escaping into the surrounding areas.

Product model	Capacity*	Power	Aspiration air volume	Approx. weight kg			Volume m³
	t/h	kW	m³/min	Unpacked	Packing size provided	Packed for sea transport	Packed for sea transport
SuperHusk I / 12-A	3-7.5	2x15	10	860	1040	1140	5
SuperHusk I / 12-M	3-7.5	11	10	730	790	790	4
TopHusk DRSD IV	3-7.5	4.0/0.75	-	1100	1436	1536	7

*Dependent on the quality of unprocessed grain; capacity with paddy as input.



Automatic SuperHusk with TopHusk hull separator



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