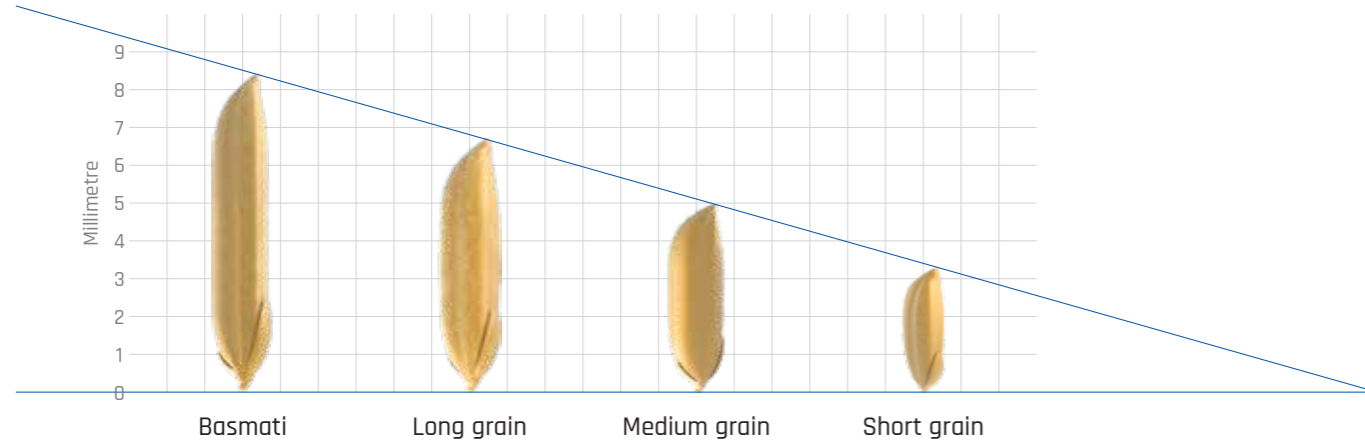
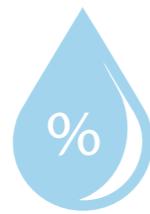


Specially crafted for all paddy varieties



Suitable for a wide range of moisture content



- High moisture grains (>28%)
- Medium moisture grains (20-28%)
- Low moisture grains (<20%)



Experience the unparalleled convenience with instant access to the HMI [Human-Machine Interface] from your device, anytime and anywhere!



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The **World's Best**  
 Paddy & Rice Process Specialists



Scan for video

CLEAN I-25



From dusty & contaminated harvest paddy to **crystal clean** paddy!

## CLEAN I-25

### Product Application

From the initial stage of paddy harvesting in the field to its packaging in gunny sacks and subsequent transportation to the processing unit, substantial amounts of impurities, such as straw, sticks, threads, and other contaminants, are typically accumulated. APIT's innovative "CLEAN I-25" is the definitive solution for efficiently separating significant quantities of immature grains, as well as coarse and fine particles, without causing clogs in the machine or subsequent processing equipment.

### How it Works

- Inlet Feed Roller with Scalperator Drum:** This essential component facilitates the smooth transfer of incoming paddy to the machine, while effectively removing sticks, straw, and other contaminants, ensuring optimal processing quality.
- Oscillating Sieve Decks:** Each assembly comprises two sieve decks, with each deck featuring one scalping sieve and one sieving sieve. To enhance operational efficiency, each sieve frame is equipped with rubber balls that facilitate effective cleaning of the sieves, ensuring optimal performance and consistent product quality.
- Aspiration and Cyclone System:** This advanced integrated system is designed to efficiently remove dust and capture immature grains, thereby enhancing processing efficiency and maintaining product integrity throughout the operation.
- Automated Solution:** This sophisticated system integrates HMI, PLC, and a velocity sensor for precise control of aspiration adjustments. Furthermore, VFD optimally regulates the speed of the sieve deck, ensuring enhanced operational efficiency and adaptability.



### Special Features

- ✓ **Superior Automation:** APIT's CLEAN I-25 is proud to unveil the first comprehensive solution that seamlessly integrates both product and process automation.
- ✓ **Optimized Operational Efficiency:** The flapper openings and variable frequency drive (VFD) are automatically regulated to maximize the removal of foreign materials, ensuring a seamless and effective process.
- ✓ **User-friendly Design:** The user interface and overall design have been thoughtfully crafted to deliver an intuitive and effortless operation, ensuring that users can navigate and utilize the system with ease.
- ✓ **Intelligent Voice Guidance:** The machine provides voice based operational instructions in regional languages to assist operators with training and comprehension, ensuring smooth and efficient operation.
- ✓ **Optimal Cleaning Surface Area:** The system features a maximized cleaning surface area and a precisely controlled aspiration channel to ensure the effective removal of fine particles for exceptional performance.

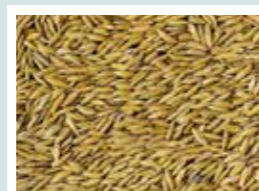


### Technical Specifications

Machine Code	APCB
Machine Capacity on Paddy	20-25 TPH*
No of Sieve Decks	Two Deck
Total Sieving Area	12 sq.mt
<b>Power Requirement</b>	
Sieve Deck	2 HP 1000 rpm
Scalperator	0.75 HP
Immature Conveyor	0.3 HP
Aspiration Blower	10 HP 3000 rpm
Aspiration	10500 CMH, 100MM WC
Drive mechanism	Eccentric Cam
Machine Weight	2700 kg (approx.)
Overall Dimensions (L x W x H)	4020 x 2230 x 3350 mm

Note: \*Capacity might vary based on throughput, moisture and contamination.

### CLEAN I-25 effectively removes



Harvest Paddy



Straw



Sticks



Immature Paddy



Soil Particles



Stones



Crystal Clean Paddy