



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

- ✓ Complete process-automated lengthwise sorting machine
- ✓ Recipe intelligence based on length for any rice variety
- ✓ Auto-pilot system for trough angle adjustment for length sorting
- ✓ Deep factor based on operation, angular velocity, coefficient of friction & kinematic index
- ✓ Auto-advanced pneumatic self-indent cleaning system



**APIT Machinery Private Limited**  
 #164-165, KIADB Industrial Area, Obadenahalli, Doddaballapur Taluk  
 Bengaluru Rural District, Bengaluru - 561 203, Karnataka  
 Tel: +91 80 47488488 Email: mail@apit.co.in



www.apit.co.in

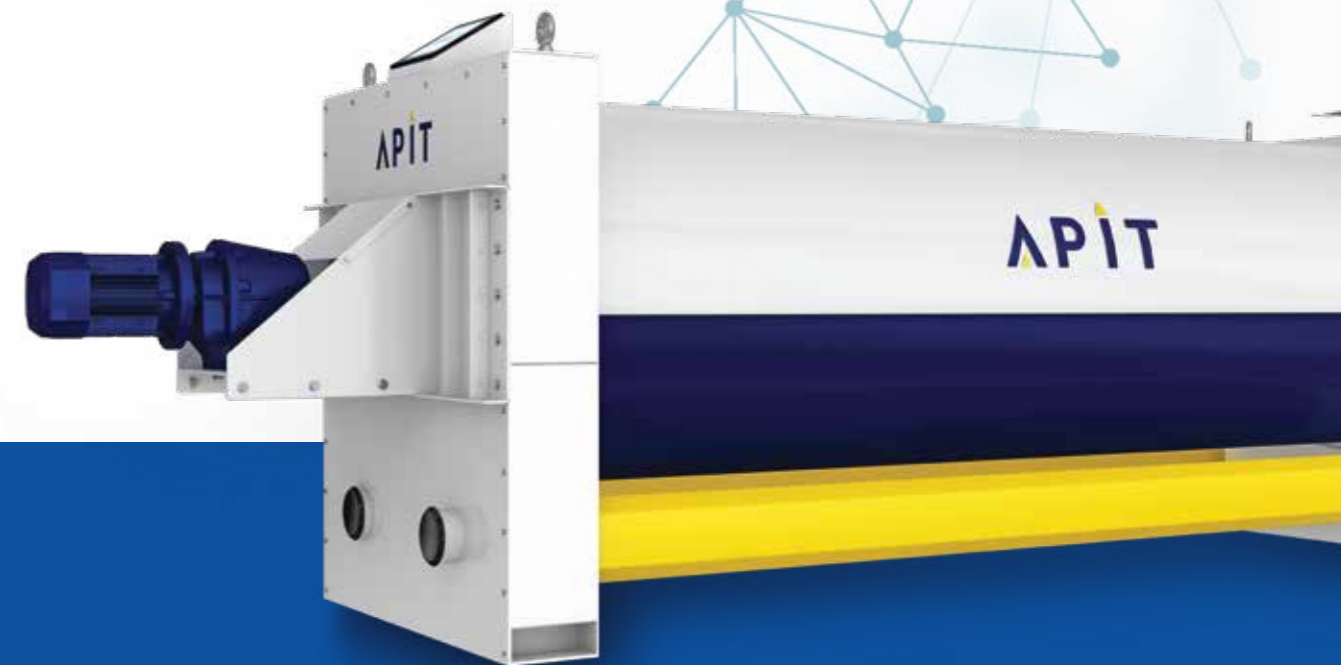
FUTURE OF GRAIN PROCESSING TECHNOLOGY

# LENGTH SORT I-5



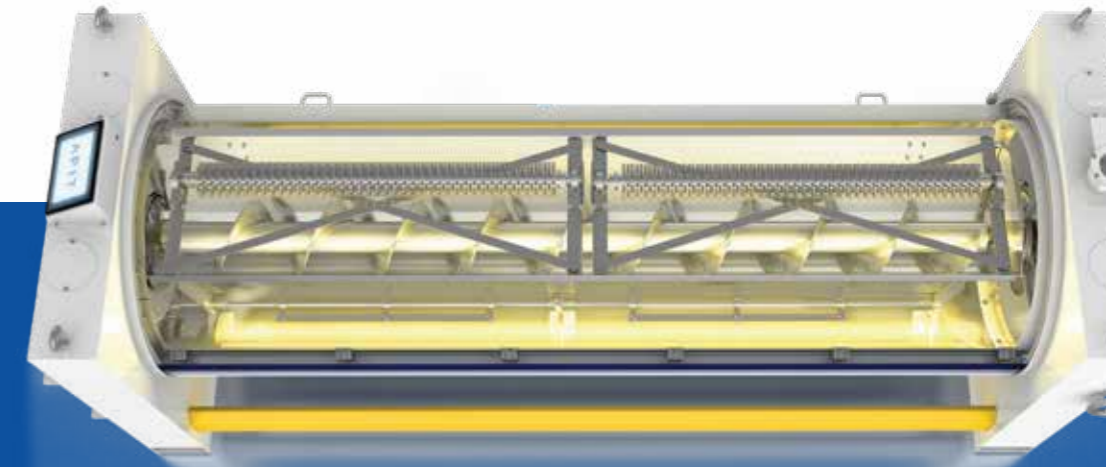
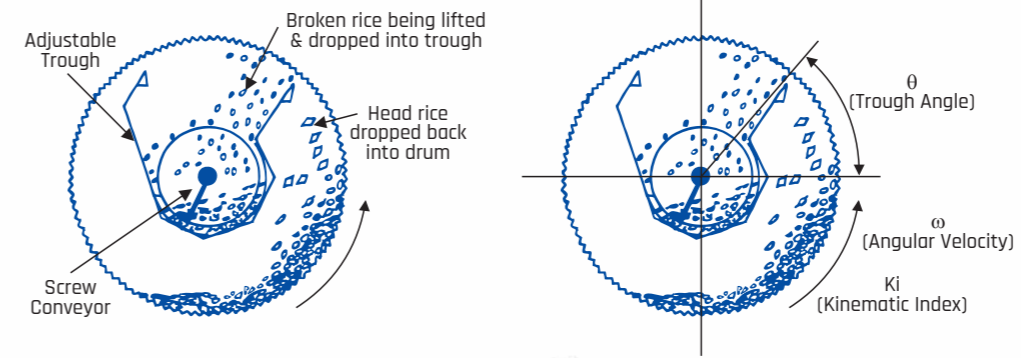
The **World's Best**  
 Paddy & Rice Process Specialists

Intelligent length sorting  
 to the precision of micro meter!



Scan for video

## LENGTH SORT I-5

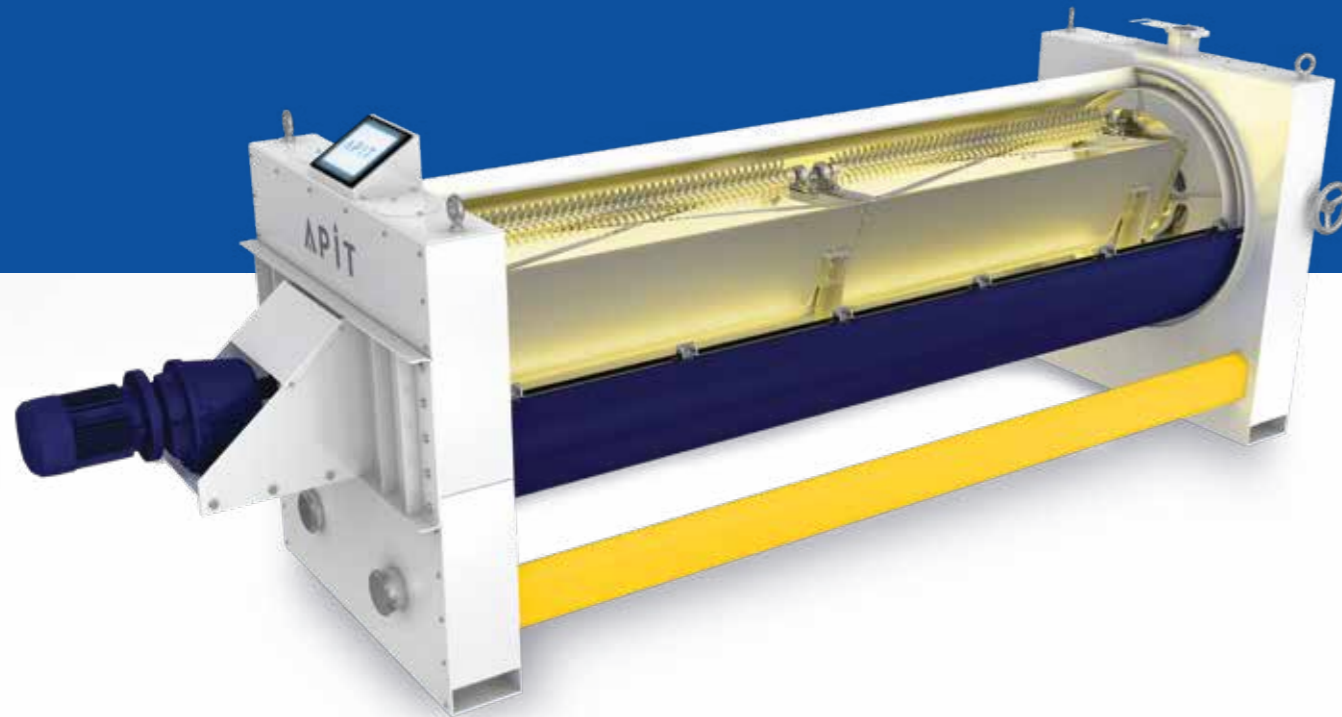


### Product Application

APIT's **LENGTH SORT I-5** is expertly designed to efficiently separate broken rice from head rice across all varieties, including short, medium, long grain, and basmati. This innovative system guarantees superior separation of broken grains, maximizing operational efficiency while integrating cutting-edge product and process automation.

### How it Works

- Rotating Indented Cylinder:** The mixture of head rice and broken grains is fed into the rotating indented cylinder, allowing longer grains to efficiently exit the indents before reaching the catch trough, ensuring optimal separation.
- Catch Trough:** Grains retained in the indents are seamlessly directed into the catch trough for efficient collection.
- Screw Conveyor:** The integrated screw conveyor with the catch trough facilitates the efficient transport of broken grains to their designated outlets.
- Automated Grading:** Our cutting-edge technology ensures that the broken separation is precisely attained by automatically adjusting the operational parameters according to the specific paddy variety and the process (steamed / boiled / raw).



### Special Features

- ✓ **Elite Automation Solution:** APIT's LENGTH SORT I-5 features comprehensive product and process automation, alleviating the need for operators to repeatedly adjust the cylinder RPMs for various paddy types and processing methods (steam, boiled, or raw).
- ✓ **Self-Cleaning System:** Designed for optimal efficiency, this machine incorporates advanced self-cleaning capabilities, enabling fully-automated operation without the necessity for human intervention.
- ✓ **Exquisite Design:** The tear-drop shaped indent configuration significantly enhances separation accuracy, ensuring superior performance and efficiency.
- ✓ **Versatile Screen Configurations:** Over 10 distinct screen types with varied configurations are available, enabling effective separation of a wide range of grain types.

### Technical Specifications

Machine Code	ALGA
Machine Capacity on Medium Paddy	5 TPH
Sieve Drum	1
Power Requirement	3 HP (2.2 Kw), 38 RPM (Gear Motor)
Machine Weight	1200 Kg (approx.)
Overall Dimensions (L x W x H)	4465 x 1220 x 1456 mm

Note: Capacity may vary depending on product based on bulk density of the rice variety