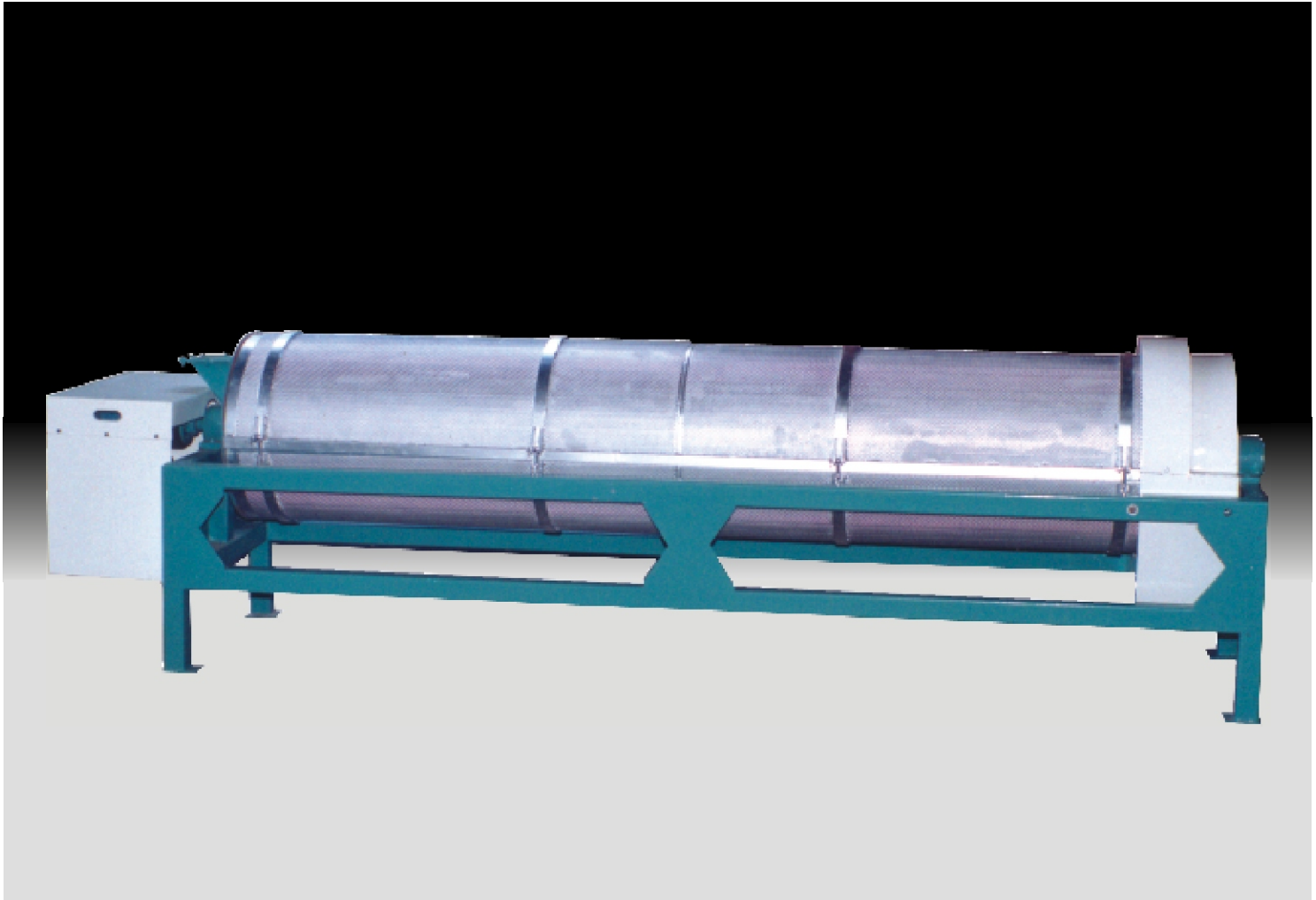




## **LENGTH GRADER**

**For Sorting A Wide Variety Of Granular Materials By Length**



### **Features:**

- Suitable for numerous grain processing applications,
- Reliable separation through pocketed sorting cylinder,
- Totally enclosed construction for safe operation,
- Easy and rapid change of cylinder shell segments,
- Safety measures as per international norms,
- Lifetime availability of replacement parts,
- Low investment and operating costs,
- Full installation and supporting services.

## APPLICATION

The Length Grader (or Indented Cylinder) is widely used for the separation of broken rice (i.e. 1/4 size, 1/2 size, 3/4 size) from full rice and long rice. It is also used in Flour Mills, Seed Mills etc. for the separation of cockles and broken.

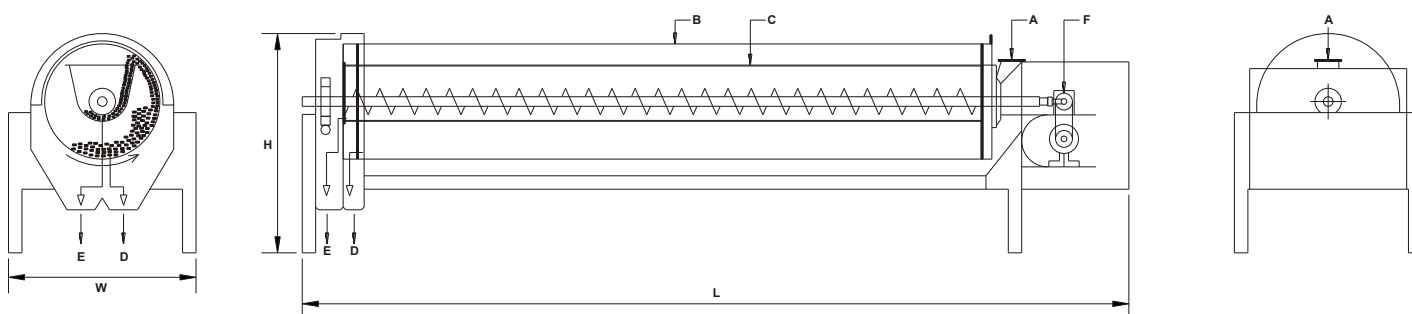
## CONSTRUCTION

The machine consists of a horizontal cylinder (made of special indented pocket sheet) mounted on a welded steel structure through proper support and drive system. A screw conveyor inside a collecting trough is positioned concentric to the rotary cylinder. Both the cylinder and conveyor run on a common motor. Provisions are made for the variation of cylinder speed and for the position of collecting trough.

## OPERATION

Raw material fed through the product inlet moves along the inner wall of the Indent Cylinder towards the product outlet. Round grains, broken, small seeds etc. that have a different shape from the main stock get lifted by the indented pockets of the rotating cylinder and dropped into the collecting trough. The screw inside the collection trough conveys this material towards the outlet. The position of the collection trough can be regulated by a hand wheel for proper separation.

## TECHNICAL DATA



A - PRODUCT INLET

B - INDENTED ROTARY CYLINDER

C - SCREW CONVEYOR FOR BROKENS & SHORT GRAIN DISCHARGE

D - OUTLET FOR FULL & LONG SIZE GRAINS

E - OUTLET FOR BROKEN & SHORT SIZE GRAINS

F - DRIVE UNIT WITH REDUCTION GEAR BOX

MODEL	CYLINDER DIMENSIONS (mm)		OVERALL DIMENSIONS (mm)			CAPACITY (TPH)		SPEED (RPM)	POWER (HP)
	DIAMETER	LENGTH	LENGTH (L)	WIDTH (W)	HEIGHT (H)	WHEAT	RICE/PADDY		
IP-600	600	3210	3850	900	1100	3.0-4.0	1.5-2.0	38-42	1.5

Technical specifications are subject to change without further notice.



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