

INDENTED CYLINDER SEPARATOR

LAB HSR

GENERAL

Brand	Cimbria
Designation	Indented cylinder separator
Model	Lab HSR
Use	Industry



Application

Lab Indent cylinder are used for length grading of all granular materials such as wheat, oat, maize, rice, fine, lentils, stones from peas, sticks from sunflower or sugar beet, plastic particles etc., as well as for the extraction of unwanted short or long admixtures.

Design

Feed hopper with electromagnetic feeding device.

Adjustable trough inclination (stepless +/- 15°).

Stepless adjustment of cylindrical drive by frequency inverter.

Quick changing of the cylinder.

Retarder for long grain sorting.

Completely wired – “Plug and Play”.

Working mode

The granular material to be graded flows through a feeding device into the interior of the rotating cylinder whose cover is provided with special deep drawn “tear-drop or spherical“-shaped pockets for the most precise length separation.

The grains that embed themselves fully into the indents, will be lifted and after a certain distance will fall out of the pockets under gravity into the trough (Trough-Product) and will be discharged by means of a vibrating chute.

Those kernel, however which are longer than the indent diameter will immediately slide out and remain on the inside surface of the indent cover (Shell-Product). This shell product flows to the discharge point of the cylinder and will be discharged into the outlet housing.

Technical data

Capacity	
Wheat	300 kg/h
Barley	250 kg/h
Rice (paddy)	200 kg/h
Cylinder dimensions	
Ø	400 mm
Length	570 mm
Motors: (standard)	
Cylinder drive	0.37 kW
Dimensions (with table)	
Length	1 200 mm
Width	800 mm
Height	1 465 mm
Total weight of separator	
Net	130 kg

Technical data can vary for certain of the above due to continued development or a different machine composition.