PROCESSING

INDENTED CYLINDER SEPARATOR
HSR 1030–16030 S-R-L

GENERAL

Brand	Cimbria
Designation	Indented cylinder separator
Model	HSR 1030 - HSR 16030 S-R-L
Use	Industry

Application

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.

Working mode

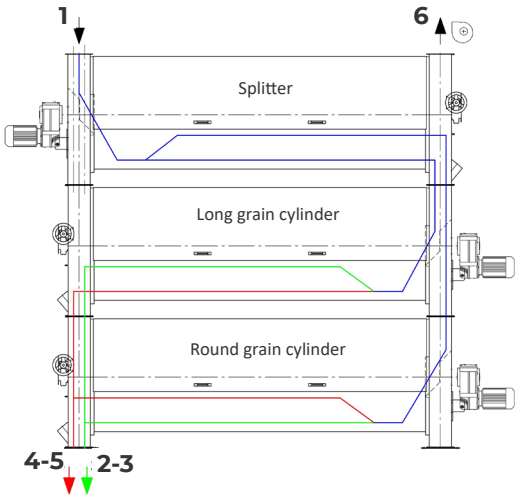
Through the inlet housing, the granular material to be graded flows into the interior of the rotating cylinder whose cover is provided with special deep drawn “tear-drop or spherical“ shaped pockets for the most precise length separation.

The grains that embed themselves fully into the indents, will be lifted and after a certain distance (adjustable to suit) will fall out of the pockets under gravity into the trough (Trough-Product) and will be discharged by means of a conveying screw.
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.
Depending on the necessary separation.

Optional equipment

On request the machine can be equipped with:

1. Pocket air cleaning system
2. Adjustable cylinder inclination
3. Stirring device
4. Wear resistant lining
5. Adjustable speed
6. Automatic trough adjustment



1. Inlet
2. Shell product - R
3. Trough product - L
4. Shell product - L
5. Trough product - R
6. Aspiration

Technical data

Type HSR		1030	2030	3030	4030	5030	6030	8030	10030	12030	16030
Motor (standard)	kW	3x0.25	3x0.55	3x1.1	3x1.1	3x1.1	3x1.1	3x3.0	3x3.0	3x3.0	3x4.0
Air requirement	m³/min	12	14	18	18	18	18	24	24	24	24
Cylinder dim.	mm										
Ø		400	400	600	600	600	600	900	900	900	900
Length		1 000	2 000	1 500	2 000	2 500	3 000	2 000	2 500	3 000	4 000
Dimensions	mm										
Length		2 107	3 145	2 905	3 405	3 905	4 405	3 765	4 265	4 765	5 775
Width		640	640	860	860	860	860	1 202	1 202	1 202	1 205
Height		1 860	1 860	2 610	2 610	2 610	2 610	3 720	3 720	3 720	3 715
Net weight	kg	810	1 110	1 530	1 760	1 860	2 250	2 970	3 360	3 735	3 540

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

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