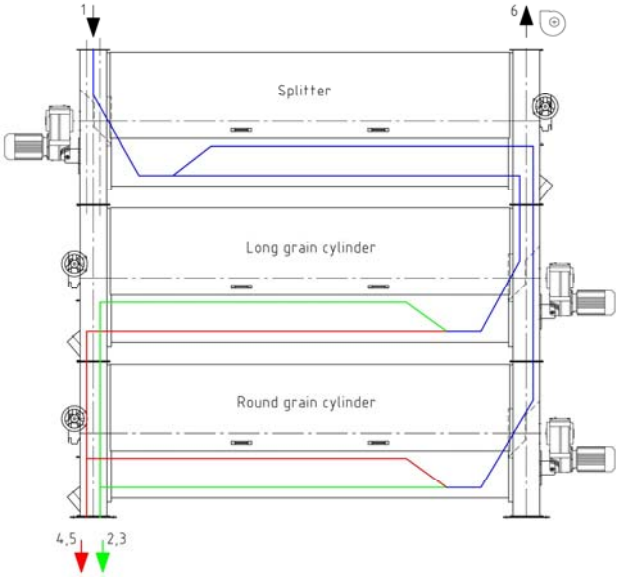
D a t a S h e e t 228

Indented Cylinder Separators
HSR 1030 S-L-R - HSR 16030 S-L-R

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.



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:

- Pocket air cleaning system
- Adjustable cylinder inclination
- Stirring device
- Wear resistant lining
- Adjustable speed
- 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		1000	2000	1500	2000	2500	3000	2000	2500	3000	4000
Dimensions	mm										
Length		2107	3145	2905	3405	3905	4405	3765	4265	4765	5775
Width		715	715	920	920	920	920	1205	1205	1205	1205
Height		1880	1880	2605	2605	2605	2605	3715	3715	3715	3715
Net weight	kg	795	1035	1470	1740	1845	2205	2895	3300	3735	3935

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

Cimbria Heid GmbH . Heid-Werkstrasse 4 ; A-2000 Stockerau ; Austria ; Tel. +43 2266 699 ; Fax +43 2266 65590
Web: www.cimbria.com ; E-mail: heid@cimbria.at ; Member of the Cimbria Group of Companies