SCIENTIFIC AND MANUFACTURING FIRM
PRODECOLOGIA
We know better what customer needs!

more than 30 YEARS of the experience and the innovations

Color Sorters SmartSort

Designed for sorting wide range of bulk products not only by color but also by form and texture.

Applies at the agricultural enterprises to clean grain crops, at the glass production factories for cullet sorting, at the recycling plants for sorting crushed plastic by color.

#	Name of parameter	SmartSort 4	SmartSort 5	SmartSort 6
1	Number of channels	216	270	324
2	Number of chutes	4	5	6
3	Capacity (wheat), t/h, not less*	16	20	24
4	Coefficient of purification ,%, not less*	99.5		
5	Resolution of CCD-matrix (per one chute), pixel	2048		
6	Power voltage, V	230		
7	Power-line frequency, Hz	50		
8	Nominal power consumption, kW	2.7	3.0	3.3
9	Air pressure, MPa	from 0.6 to 0.8		
10	Air contamination class in accordance with ISO 8573-1: - by solid particles	1		
	- by humidity	4		
	- by content of oils	1		
12	Maximum air consumption (at pressure 0.6 MPa), m^3/h	960		
11	Air consumption per technological process, m^3/h, not more	160	200	240
13	Air consumption for aspiration, m^3/h, not more	2400		
14	Relative humidity at 25°C, %	from 20 to 80		
15	Ambient temperature, °C	from 5 to 40		
16	Overall dimensions, mm: - length	2650		
	- width	1600		
	- height	2000		
17	Weight, kg, not more	1400	1450	1500
18	Electric shock protection class	1		
19	IP of the shell	Ip54		
20	Noise level at the workplace, dB, not more	80		
21	Workplace level of vibration acceleration corrected by frequency, dB, not more	100		

* At the initial contamination not more than 2% and bulk weight of wheat 0.750 t/m^3.

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