# 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 $t/m^3$.