



AI
Technology

OPTI'S 1-3

Integrated to the Opti'S color sorters advanced AI (Smart mode) creates a sorting program scanning good and bad samples assuming their color, size, surface and shape.

Automatically chosen parameters do not depend on the staff qualifications. It helps to reach top results.

The software allows to use "master"- camera which adjustments are automatically shared with other sections of the machine. This technical feature lays behind precise sorting and usability.

The smart small adjusting mode suits parameters just during the sorting to keep top results even by input quality changing products.

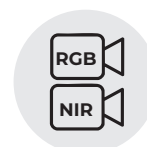
Shape Sorting

AI (Smart) Mode

**High capacity
by difficult products**



**High precision
sorting**



**Sorting in visiblelight
or IR spectrum**



**Reliable
service**



**Quick adjusting
for product**



**Efficient
operation**



**High resolution
lenses**

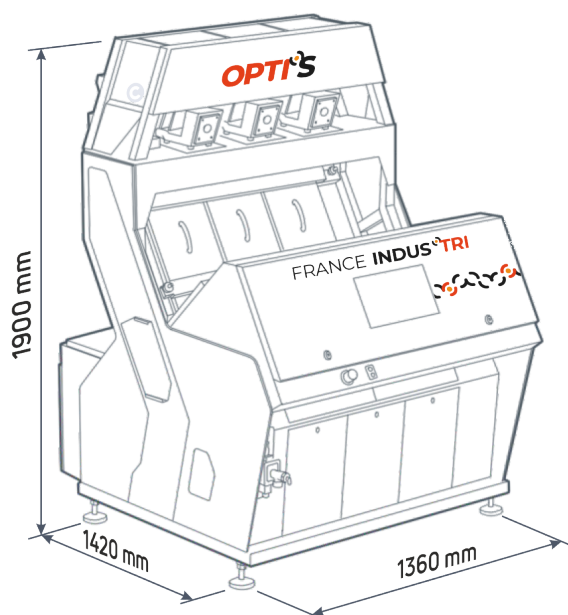
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OPTI^s 1-3

MULTIGRAIN COLOR SORTER

**Parameters: Smart AI mode, Cloud Tech,
Ultrapowerful lighting, Extralight – optional**



| | |
|--|--|
| Cleanliness coefficient, %, min.* | 99.5 |
| CCD-matrix resolution (per chute), pixel | 5400 |
| Power, V / Hz | 230 / 50 |
| Air pressure, MPa | from 0.6 to 0.8 |
| Air purity according, ISO 8573-1: | <ul style="list-style-type: none">• particles 1• humidity 4• oil 1 |
| Maximum air consumption (at 0.6 MPa), m/h | 225 |
| Air consumption for the aspiration, m ³ /h, max.: | <ul style="list-style-type: none">• standard aspiration 2100• with additional aspiration nozzles on chutes 3100 |
| Electric shock protection class according to EC 61140-2012 | I |
| Degree of protection provided by enclosures | IP54 |
| Ambient temperature, °C | from 5 to 40 |
| Relative air humidity at the temperature of 25 °C, % | from 20 to 80 |
| Noise level at the work site, dBA, max. | 80 |

** With the initial content of foreign materials of 2% or less and the volume weight of the product of 0.750 t/m³*

| | 1 section | 2 sections | 3 sections |
|--|------------------|-------------------|-------------------|
| Number of channels | 54 | 108 | 162 |
| Production capacity (for wheat), tons per hour* | 7 | 14 | 21 |
| Nominal power, kW | 0.5 | 1.0 | 1.8 |
| Air consumption for the technical process (wheat), m /h, max.* | 40 | 80 | 120 |
| Weight, kg, max. | 400 | 500 | 700 |



1 section



2 sections



3 sections

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