

# OPTICA HD

EASY BY  
DEFINITION





**A 4 wavelength, multi-spectral system as standard with combined RGB and IR in a single 4K sensor:** this innovative feature produces a totally aligned view. This feature is a valuable advantage when detecting defects in similar coloured products which respond differently to infrared, such as foreign bodies, inorganic defects, etc. This single camera is a considerable cost saving when compared to the market standard of requiring two cameras.

**Flat spectrum LED** (to reproduce the natural sunlight spectrum): state of the art full spectrum LED, without the low light areas typical of standard white LED. This makes it possible to detect even the slightest colour variations.

**State of the art ejectors @ 3.6 mm pitch:** custom designed and specified to achieve maximum sustained velocity. Their compact design gives us the advantage to have 64 ejector valves in each chute of 245mm. This feature requires less compressed air yet increases production capacity and reduces the amount of good product being rejected.

**RISE-UP system:** this feature makes the ejector bank adjustable which allows one to locate the ejectors close to the product stream, almost half the distance compared to other sorters on the market. This reduces errors normally caused by the uneven fall speed of the product being sorted.



VISION®

OPTICA HD  
PERFORMANCE  
AND QUALITY





**Multi wavelength LED with focusing lens:** this feature focuses the light only where its desired and achieves high illumination at a low consumption.

**Smart, custom designed cameras,** comprising hardware and software made in Italy, which incorporate an integrated elaboration and analysis system.

**Automatic control and equalization of vibrator speed:** necessary to obtain a deep and uniform stream of product in all the channels.

**User friendly programming system:** the software has been developed so that creating or modifying recipes does not require a qualified technician.

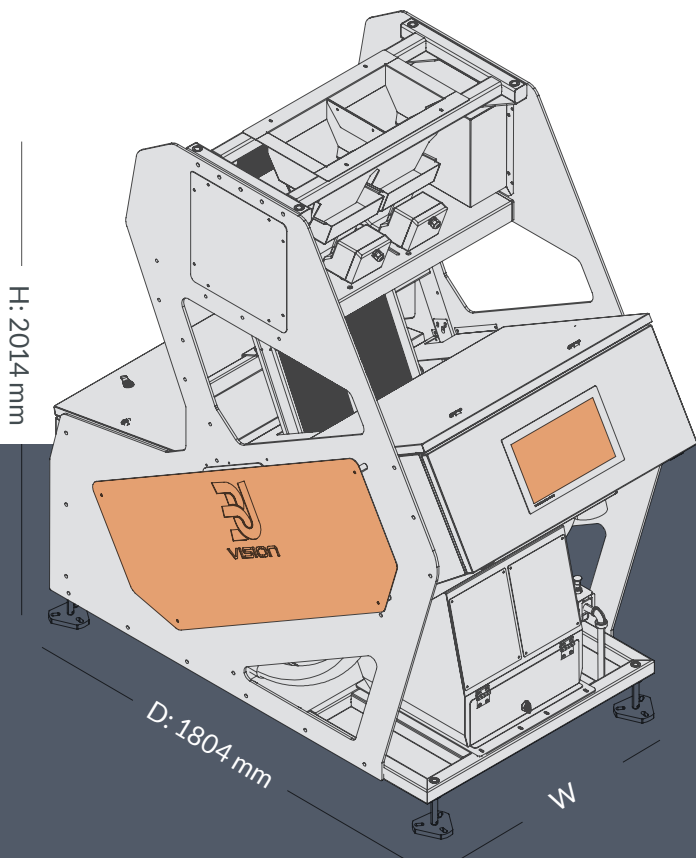
**Chutes:** coated with silver ion treatment for improving smoothness and sanitation.

**System of signal equalization:** to obtain the same results in all chutes of the machine.

**IOT ready, totally compatible with IOT 4.0:** this enables the exchange of information related to estimated throughput, estimated reject quantity, number of ejections, morphological product features, etc.

**Integrated Remote-Service system:** in order to quickly assist the operator in real time, and avoiding the need for on-site intervention, saving the expense of a technician, regardless of your location.





## 3U Vision Srl

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Model	OP1	OP2	OP3	OP4	OP5	OP6	OP7	OP8
Channels	1	2	3	4	5	6	7	8
Air ejectors	64	128	192	256	320	384	448	512
W: Width (mm)	1066		1563		2060		2558	
H: Height (mm)	2014		2014		2014		2014	
D: Depth (mm)	1804		1804		1804		1804	
Electric consumption (kW)	1,4	1,5	1,7	1,8	1,9	2	2,5	
Air consumption (l/sec)	7	13	22,5	31	40,5	54,2	62,1	68

The above-mentioned dimensions and technical specifications are only approximate and subject to alterations.

3U Vision SRL reserves the right to modify these specifications at any time without notice.



3U Vision,  
 all new,  
 except 40 years  
 of experience

