



FENIX mini

SMALL SCALE HUGE QUALITY

The brand new
compact optical sorter
from 3U Vision,
designed specifically
for small, exclusive,
high value-added
production.



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**.

15" widescreens touch display: which **continuously display the key information** necessary to monitor the machine effectively.

Smart, custom-designed cameras with Italian-made hardware and software, featuring an **integrated processing and analysis system**, with the highest market resolution of 0.03 mm.

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

State of the art ejectors @ 3.2mm pitch: custom designed and specified to achieve **maximum sustained velocity** while their compact design almost doubles the number of ejector valves in each chute. 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.

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

IOT ready, 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.

Full-color polymer casing, unpainted, **to prevent scratches or color fading**.

The most compact design in its category, ideal for **small-scale high-quality** productions, analysis centers, and testing laboratories. An additional application is at the end of a production line for **accurate recovery of rejected products**.

Support stand with integrated hoppers and **pull-out sliding trays**. Removable for easy **integration of the sorter into a production line**.



WIDTH: 590 mm
DEPTH: 1230 mm
HEIGHT body only: 1200 mm
HEIGHT with stand: 1700 mm

