

# THE HIGH CAPACITY DOUBLE VISION SORTER

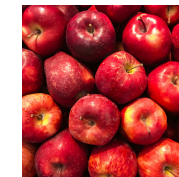


AN **ATS** COMPANY

**INGENUITY** is a **double-vision sensor sorter**. It is equipped with Visible Color and NIR technology (Near Infra Red).

The system detects soil clods, stones, and green potatoes in unwashed potatoes, and for washed potatoes, it identifies rotten products and color defects. Thanks to the 100 channels configuration, **INGENUITY** allows a capacity up to **80 t/h**, for a large agro and industrial production.

The machine is available in a **2WAY** or **3WAY configuration** and the ejection system is by mechanical fingers in a special high-resistance and anti-abrasion material.



**RAYNBOW** STD



**RAYNBOW** High Speed



Model	Launch year	Double vision	Channels	Resolution	Capacity	Conveyor speed
Raynbow 50	2003	✓	50	4x4 mm	up to 40 t/h	50 - 75 m/min
Raynbow HS	2006				up to 60 t/h	120 m/min
Ingenuity	2022		100		up to 80 t/h	50 - 70 m/min



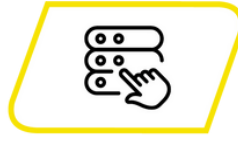
# Benefits



**High production capacity**



**Low maintenance costs**



**Constant selection over time**



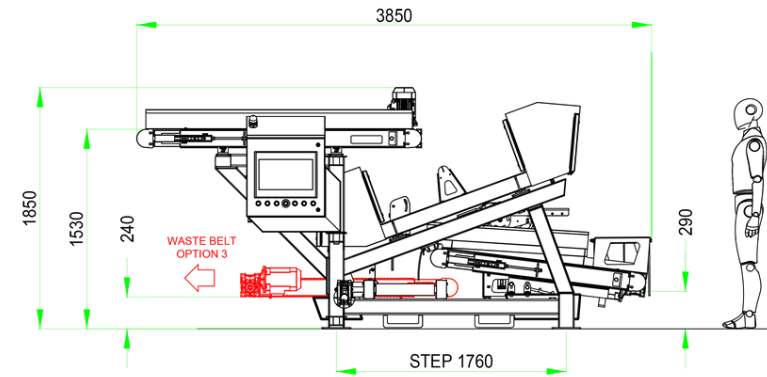
**Automatic capture of images**



**Real time detection**



**User friendly software**



TECHNICAL FEATURES	
Sorting channels	100
Vision area width (L)	2500 mm (100")
Pixel dimension	4x4 mm
Control and diagnostic device	Interactive LCD touch-screen monitor
Rejection channel width	25 mm (1")
Rejection type	Mechanical fingers
External and/or remote connection	Ethernet and/or modem
Conveyor speed	50-70 m/min
Power supply and consumption	
Power supply	3-Ph + Gnd
Voltage	400/480 V
Frequency	50/60 Hz
Installed power	4.5 kW
Applied air treatment (pneumatic circuit)	Dehumidification - Filtration - Lubrification
Lubricating system (pneumatic circuit)	Food grade and pharmaceutical compatible
Working pressure (pneumatic circuit)	6÷8 bar [87÷116 psi]
Typical consumption (pneumatic circuit)	300 NI/min (10.5 cft/min)
Max. air flow rate (pneumatic circuit)	1200 NI/min (42 cft/min)

