World première

"Python" Smart Laser Sorter

4th generation optical sorter

combines self Learning „Apollys" technology with structure, color and advanced shape detection

The Visys Python „Smart Laser Sorter" uses state-of-the-art Apollys™ Neural Network Technology to shift the sorting paradigm to „self-learning" and „advanced shape". It is the world's first 4th generation sensor-based sorter.

Optical Sorters (based on CMOS or CCD sensors and a light bulb or LED illumination source) are used in the food processing industry to ensure no contaminants remain in food products. Most of these Optical Sorters are limited in functionality as they can only distinguish on one characteristic at a time; color or structure or shape.

The general understanding amongst processors is that Optical Sorters are mostly used for color sorting, whilst high-end Laser Sorters are highly efficient on foreign matter. With added shape algorithms, Optical sorters, have increased their performance, whilst modern Uncompromised Laser Sorters such as the Visys Lynx and Spyder comprise added color sorting functionality.

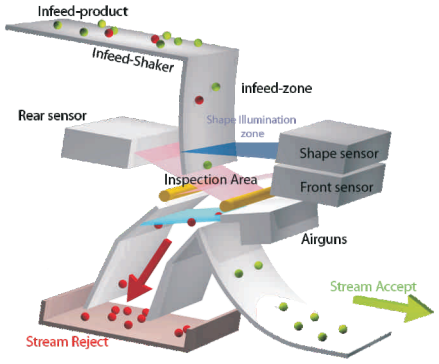
5 years ago Visys revolutionised the sorting industry with the world première of the first fully digital Laser Sorters "Lynx" and "Spyder" with uncompromised color, structure and shape detection on a proprietary infeed chute Chycane™. This infeed chute, which puts the product perfectly in front of the optics and air ejection system, reduces false reject to the minimum. This Visys innovation is now generally accepted as THE quantum step forward to improved defect efficiency and lower false reject, revolutionising the global sorting industry. Visys is now the fastest growing global sorting company, thanks to its excellent technology and visionary customers.

Building on this legacy, Visys now takes sorting to the next level by introducing proprietary self-learning Apollys™, technology and advanced shape recognition, leading to the world's first Smart Optical Laser Sorter.

The Python features the proprietary Apollys™ engine and combines signals from 2 seperate detection points, one on-chute (LED-shape) and one in-air (lasers-Structure).

The software enables self-learning functionality, which makes manual calibration no longer necessary. The Python can be equipped with a number of software algorithms and optical features adjusted to every individual application and individual customer need. During the launch period of this technology the main applications are treenuts, peanuts, peas, french beans and berries.

Check out what Visys' Python technology could mean for your business and contact our application or sales engineers today.



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Python™ feature summary

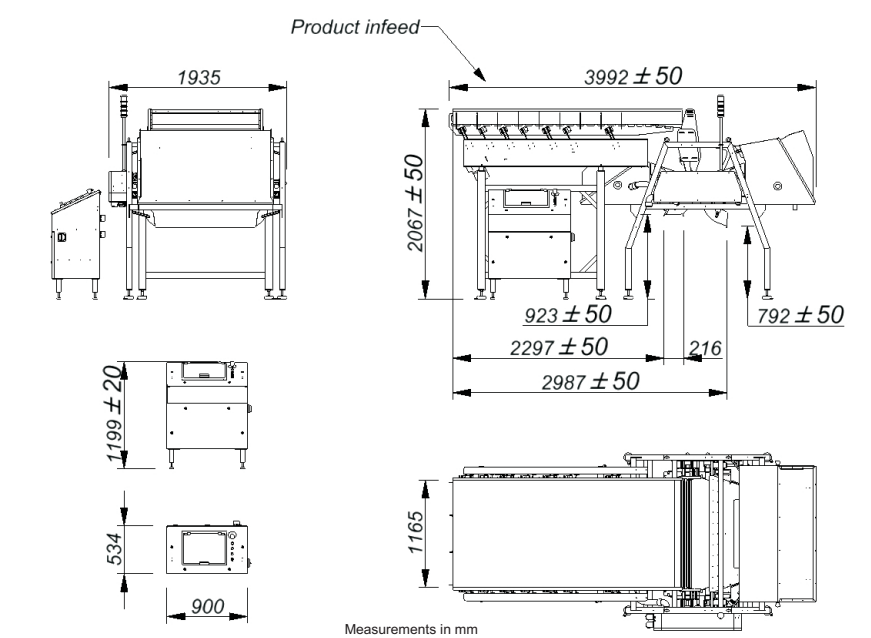
Electricity
Single phase 230v / 5kVa / fuse 25 A / wires 4 mm2
50/60 hz
Other voltages on request

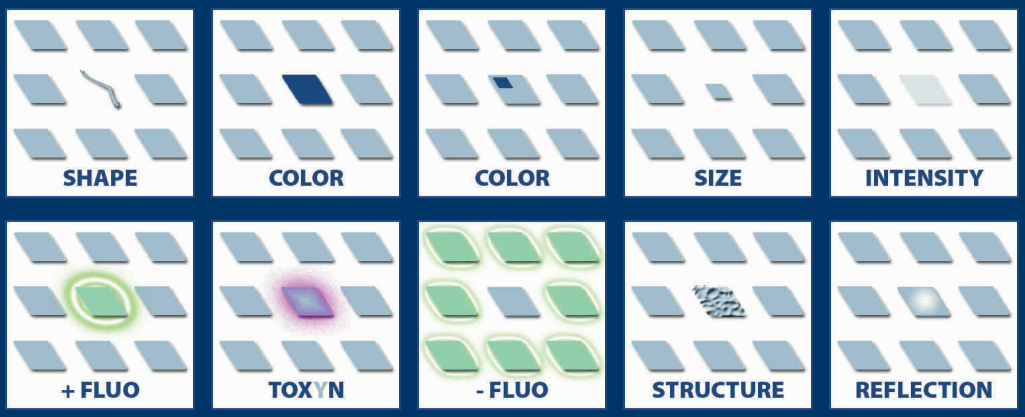
Compressed air

Minimum pressure :	6 bar (90 psi)
Maximum pressure :	10 bar (145 psi)
Typical consumption :	200 Nm3/h (120 cfm)
Max. Consumption :	450 Nm3/h (300 cfm)
Quality :	iso 8573.1 air quality standard
Connection :	1.5 inch

Cooling water

Minimum pressure :	1 bar (15psi)
Maximum pressure :	3 bar (45 psi)
Temperature :	5° c (41°F)
Quality :	lime free and reusable
Inlet connection :	½ inch
Outlet connection:	½ inch





Discover our latest innovations

IELA™
Intelligent ELectronics Architecture

DigitalFluo™
Laser Induced Fluorescence

Rubys™
Low breakage for vulnerable products

Chycaneslide™
Perfect slide for low false reject

VirtualDrum™
One digital drum for ALL your products

Toxyn™
State-of-the-art Mycotoxin detection

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