



PRECISION SORTING



isys Makine was founded based on the slogan, “**excellent quality and rapid service with high quality**”, and we produce high technology products with its experienced and specialized, young and dynamic personnel and staff who have experience in their fields.

Starting from laser equipped sorting out machine, as the result of the reactions we received from the industry without completing the first year of our founding; we achieved success in the market within a short period of time. Following the second year, we proved that we are on the right course to success by increasing our market share in Turkey.

The next targets of the company which is well known and is a leader in dry fruit industry with its sorting out technology are increasing our share in Turkish and global markets and improving our exports.

AURA

Double Side Laser Sorter



PRECISION SORTING



High-Tech



Solid Structure



User Friendly



Fast Service



BENEFITS

- > Double side object scanning
- > Foreign materials detection according to object structure
- > Contrast Colors
- > Ultraviolet Reflective Objects (Aflatoxine)
- > Glass Detection
- > None belt system provides for mechanical maintenance- free use
- > Can be used for wet or dry products
- > Fully stainless steel structure
- > Long vibration feeder for a good distribution of the products together with an integrated dust sieving system
- > Monophase Electricity
- > Ip 65

TECHNOLOGY

- > Double laser scanning units (front & rear)
- > Up to 4000 scans per second with 8 lasers
- > 12 Signals combined algorithm software
- > 120 or 240 Air Valves
- > Network Connecion
- > Touch Screen User Interface

FUNCTIONAL DIMENSIONS

- > 1200 mm scanning area
- > 2500 mm vibration feeder for a good distribution of the products
- > 700 mm vertical chute to accelerate speed of a product for better recognition

TOTAL MACHINE DIMENSIONS

- > W x L x H - 2100 mm x 4100 mm x 2190 mm

CAPACITY

- > Capacity varies depending on the density of the product kg / m^3
- > The product with a density of 1000 kilograms per cubic meter can be nominally sorted at four tons per hour

REQUIREMENTS

- > Electricity ----- 240 Vac / max 35 A
- > Pressured Air ----- min 6 bar / max 10 bar
- > Air Quality ----- 40 μm filtered oil free, water free, dust free
- > Air Consumption ----- typical 200 m^3/h
- > Air Connection ----- 1 1/2 inches
- > Cooling Water ----- min 1 bar / max 3 bar
- > Cooling Water Temperature ----- min +5° c / max +12° c
- > Cooling water Quality ----- Lime free and reusable
- > Cooling Water Connection ----- Inlet / Outlet \varnothing 16 mm fittings

Double Side Laser Sorter

FAURFA



G-ANT

High Resolution Camera Sorter



PRECISION SORTING



High-Tech



Solid Structure



User Friendly



Fast Service



BENEFITS

- > Single side color camera scanning
- > Extremely high color resolution
- > High precision on very small objects
- > Suitable for sticky and non-slip products from vertical ramps
- > Can be used for wet or dry products
- > Fully stainless steel structure
- > Long belt for proper fixing of products to be sorted
- > Monophase Electricity
- > Ip 65

TECHNOLOGY

- > Single side color cam scanning unit (top)
- > Up to 50.000 scans per second @ 8k resolution
- > Special algorithm software
- > 40 or 80 air valves
- > Network connection
- > Touch screen user interface

FUNCTIONAL DIMENSIONS

- > 400 mm scanning area

TOTAL MACHINE DIMENSIONS

- > W x L x H - 1055 mm x 3338 mm x 1800 mm

CAPACITY

- > Capacity varies depending on the density of the product kg / m³
- > The product with a density of 1000 kilograms per cubic meter can be nominally sorted at one ton per hour.

REQUIREMENTS

- > Electricity ----- 240 Vac / max 10 A
- > Pressured Air ----- min 6 bar / max 10 bar
- > Air Quality ----- 40 µm filtered oil free, water free, dust free
- > Air Consumption ----- Typical 144 m³/h
- > Air Connection ----- 1 inch

High Resolution Camera Sorter

G-FANT



ORION

Laser-Camera Multi Sorter



PRECISION SORTING



High-Tech



Solid Structure



User Friendly



Fast Service



BENEFITS

- > Double side object scanning
- > Detection foreign materials with different chemical nature from accept product even if it is the same color.
- > Sensitive color sorting
- > Ultraviolet reflective objects (Aflatoxine)
- > Glass Detection
- > Suitable for sticky and non-slip products from vertical ramps
- > Can be used for wet or dry products
- > Fully stainless steel structure
- > Long belt for proper fixing of products to be sorted
- > Monophase Electricity
- > Ip 65

TECHNOLOGY

- > Double side laser scanning units (top and bottom)
- > Up to 4000 scans per second with 8 lasers
- > Real Hyperspectral scanning unit, up to 6000 scans per second (top)
- > Double side high resolution color camera, up to 10000 scans per second (top and bottom)
- > Multi signal combined algorithm laser-cam software
- > Extra shaker before the feeding belt for the homogeneous spread of the products
- > 120 or 240 Air Valves
- > Network Connection
- > Touch Screen User Interface

FUNCTIONAL DIMENSIONS

- > 1200 mm scanning area

TOTAL MACHINE DIMENSIONS

- > W x L x H - 2350 mm x 7200 mm x 2837 mm

CAPACITY

- > Capacity varies depending on the density of the product kg / m³
- > The product with a density of 1000 kilograms per cubic meter can be nominally sorted at four tons per hour

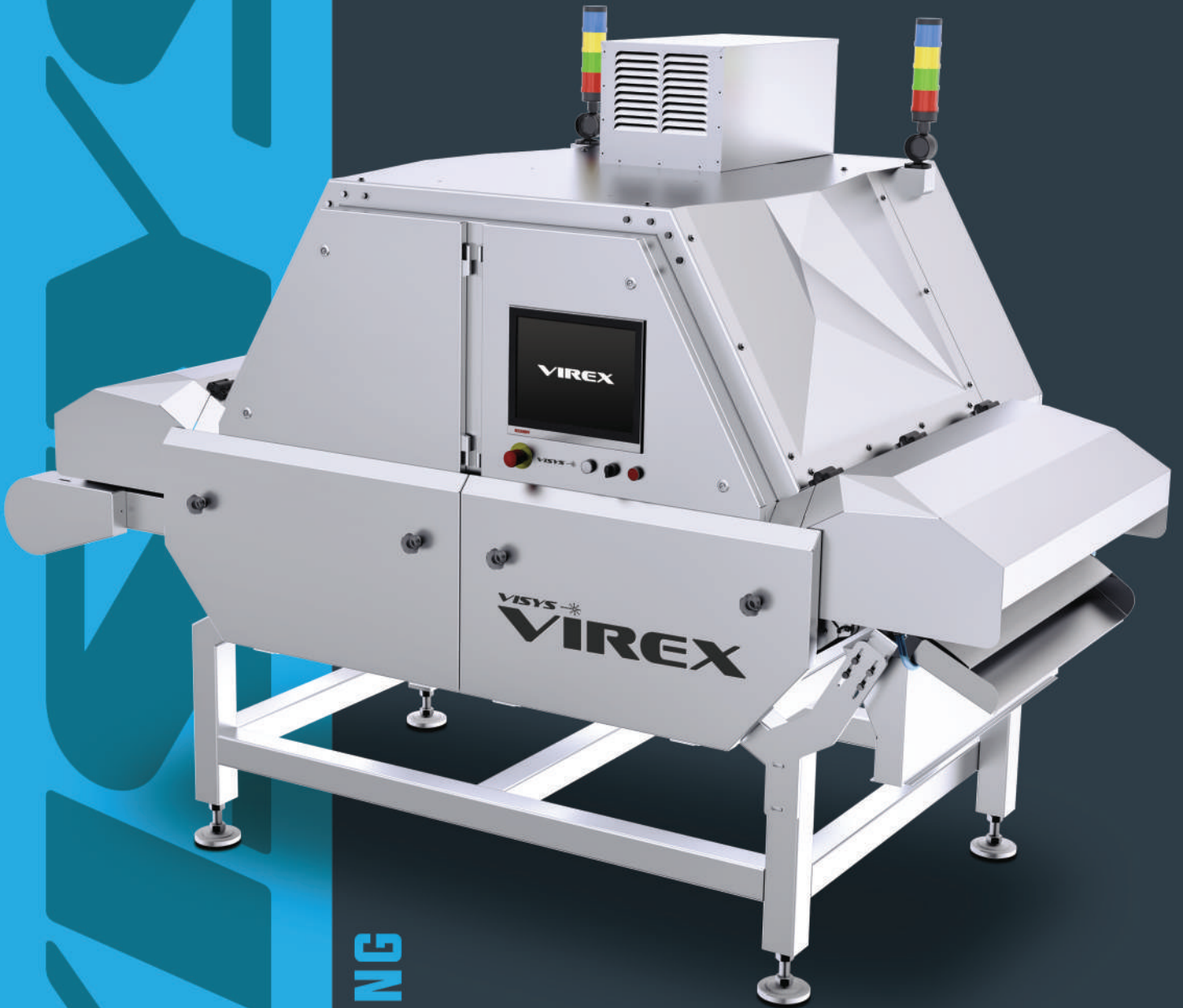
REQUIREMENTS

- > Electricity 240 Vac / max 35 A
- > Pressured Air min 6 bar / max 10 bar
- > Air Quality 40 µm filtered oil free, water free, dust free
- > Air Consumption typical 200 m³/h
- > Air Connection 1 ½ inches
- > Cooling Water min 1 bar / max 3 bar
- > Cooling Water Temperature min +5° c / max +12° c
- > Cooling water Quality Lime free and reusable
- > Cooling Water Connection Inlet / Outlet ø 16 mm fittings



VIREX

X-Ray Detection Systems



PRECISION SORTING



High-Tech



Solid Structure



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Fast Service



BENEFITS

- > Single side object scannings by the X-Ray
- > Non-damaging scanning by the beam that pass through the product
- > Object detection for a structure which is more intensive than the accepted product
- > Glass, stone, sus, ceramic and metal detection
- > Detection of intensive structure of foreign material hidden in the inner zone of products
- > High sensitivity for small objects
- > Large scanning area for high capacity
- > Suitable for sticky and non-slip products from vertical ramps
- > Can be used for wet or dry products
- > Fully stainless steel structure
- > Long belt for proper fixing of products to be sorted
- > Short feeder for products that do not require spreading, thus occupying less
- > Space in the plant or long vibration feeder for good distribution of the products together with an integrated dust sieving system
- > Monophase Electricity
- > Ip 65

TECHNOLOGY

- > Single side x-ray scanning unit (top)
- > Up to 3000 scans per second
- > X-ray Signals Algorithm Software
- > 90 or 180 Air Valves
- > Network Connection
- > Touch Screen User Interface

FUNCTIONAL DIMENSIONS

- > 900 mm scanning area

TOTAL MACHINE DIMENSIONS

- > W x L x H - 1602 mm x 2750 mm x 2107 mm
- > **Short Feeder version:** W x L x H - 1602 mm x 3532 mm x 2107 mm
- > **Long Feeder version:** W x L x H - 1602 mm x 4890 mm x 2107 mm

CAPACITY

- > Capacity varies depending on the density of the product kg / m³
- > The product with density of 1000 kilograms per cubic meter can be nominally sorted at six tons per hour

REQUIREMENTS

- > Electricity 240 Vac / max 10 A
- > Pressured Air min 6 bar / max 10 bar
- > Air Quality 40 µm filtered oil free, water free, dust free
- > Air Consumption Typical 144 m³/h
- > Air Connection 1 inch

X-Ray Detection Systems

VIREX



VISORT

Hyperspectral Camera Sorter



PRECISION SORTING



High-Tech



Solid Structure



User Friendly



Fast Service



BENEFITS

- > Single or double side object scanning
- > Detection foreign materials with different chemical nature from the accept products even if it is same color
- > Easy user interface for operators
- > None belt system provides for mechanical maintenance - free use
- > Can be used for wet or dry products
- > Fully stainless steel structure
- > Short feeder for products that do not require spreading, thus occupying less
- > Space in the plant or long vibration feeder for good distribution of the products together with an integrated dust sieving system
- > Monophase Electricity
- > Ip 65

TECHNOLOGY

- > Single or double real Hyperspectral scanning units (front & rear)
- > Up to 6000 scans per second
- > Special Algorithm Software
- > 90 Air Valves
- > Network Connection
- > Touch Screen User Interface

FUNCTIONAL DIMENSIONS

- > 900 mm scanning area
- > Short feeder or 2000 mm vibration feeder for a good distribution of the products together with an integrated dust sieving system
- > 700 mm vertical chute to accelerate speed of a product for better recognition

TOTAL MACHINE DIMENSIONS

- > **Short Feeder version:** W x L x H - 1614 mm x 2192 mm x 2288 mm
- > **Long Feeder version:** W x L x H - 1614 mm x 3271 mm x 2288 mm

CAPACITY

- > Capacity varies depending on the density of the product kg / m³
- > The product with a density of 1000 kilograms per cubic meter can be nominally sorted at three tons per hour

REQUIREMENTS

- > Electricity 240 Vac / max 35 A
- > Pressured Air min 2 bar, max 6 bar
- > Air Quality 40 µm filtered oil free, water free, dust free
- > Air Consumption Typical 144 m³/h
- > Air Connection 1 ½ inches

Hyperspectral Camera Sorter

VISORT



SNIPER

Single Side Laser Sorter



PRECISION SORTING



High-Tech



Solid Structure



User Friendly



Fast Service



BENEFITS

- > Single side object scanning
- > Foreign materials detection according to object structure
- > Contrast Colors
- > Ultraviolet Reflective Objects (Aflatoxine)
- > Glass Detection
- > None belt system provides for mechanical maintenance - free use
- > Can be used for wet or dry products
- > Fully stainless steel structure
- > Short feeder for products that do not require spreading, thus occupying less space in the plant or long vibration feeder for good distribution of products or dust sieving
- > Recommended for reject sections of main lines or for objects with entirely same construction requesting laser scanning
- > Monophase Electricity
- > Ip 65

TECHNOLOGY

- > Single laser scanning unit (front)
- > Up to 4000 scans per second with 2 lasers
- > 3 signals combined algorithm software
- > 90 Air Valves
- > Network Connection
- > Touch Screen User Interface

FUNCTIONAL DIMENSIONS

- > 900 mm scanning area
- > Short feeder or 2000 mm vibration feeder for good distribution of the products together with an integrated dust sieving system
- > 700 mm vertical chute to accelerate speed of a product for better recognition

TOTAL MACHINE DIMENSIONS

- > **Short Feeder version:** W x L x H - 1914 mm x 2533 mm x 2435 mm
- > **Long Feeder version:** W x L x H - 1614 mm x 3619 mm x 2215 mm

CAPACITY

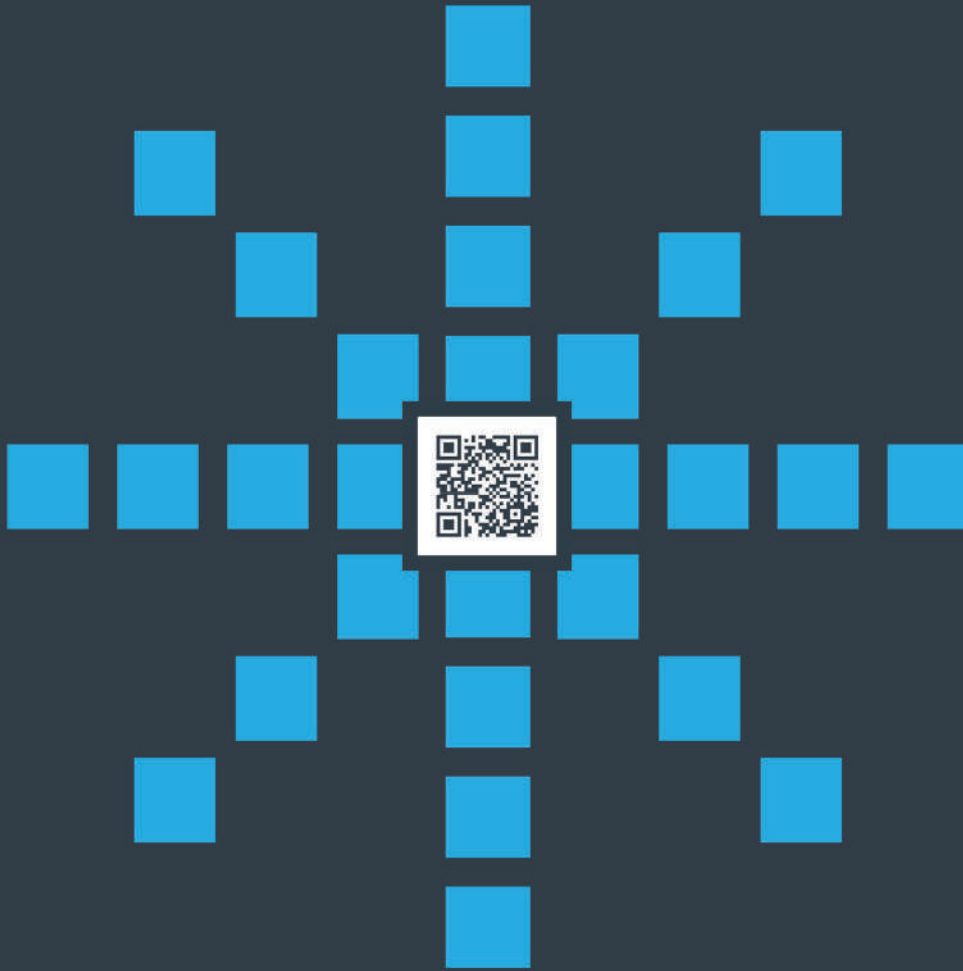
- > Capacity varies depending on the density of the product kg / m³
- > The product with a density of 1000 kilograms per cubic meter can be nominally sorted at three tons per hour

REQUIREMENTS

- > Electricity 240 Vac / max 35 A
- > Pressured Air min 2 bar, max 6 bar
- > Air Quality 40 µm filtered oil free, water free, dust free
- > Air Consumption Typical 144 m³/h
- > Air Connection 1 ½ inches



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