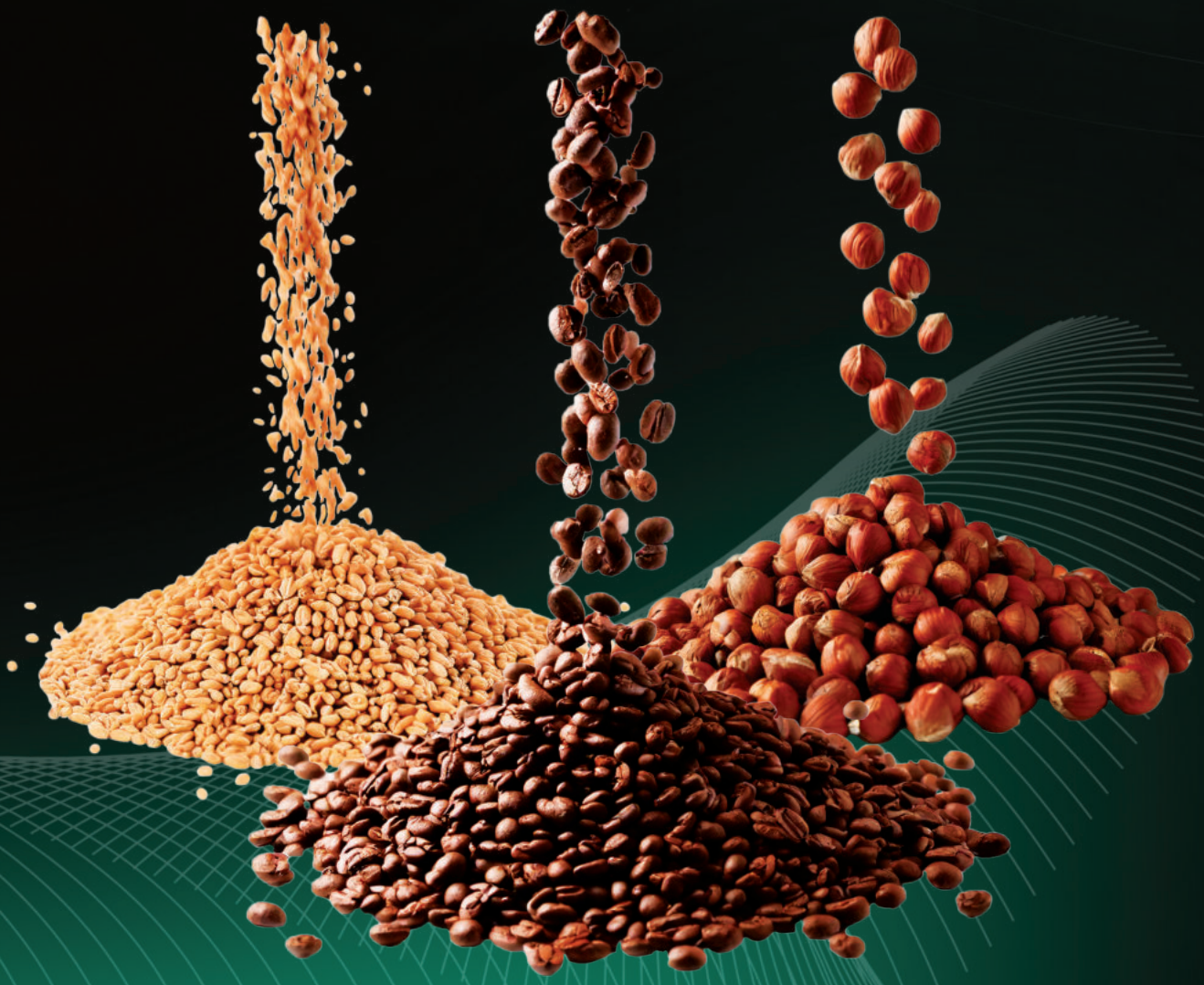
MEYER

AGRICULTURE SORTING SOLUTIONS



MEYER

Meyer Optoelectronic
Leading the way in agriculture sorting solutions

For over thirty years, Meyer Optoelectronic has been at the forefront of developing intelligent optical recognition equipment, with a strong focus on the agriculture industry. As a global leader in this field, Meyer has accumulated over 600 proprietary patents and is recognized for its innovative solutions in material sorting and waste management. Our optical sorters and X-ray detectors are capable of detecting and sorting over 500 different types of materials, improving efficiency and precision in recycling operations.

Meyer's commitment to quality and customer satisfaction drives our continuous innovation in the recycling sector. Our products, trusted by over 60,000 customers in more than 100 countries, are designed to enhance the efficiency of agricultural processes, improve crop quality, and support sustainable farming practices. With a focus on key performance indicators such as efficiency and reliability, Meyer ensures that its sorting solutions meet the highest standards of accuracy and performance.

Through advanced software, Meyer's devices seamlessly integrate with modular assembly lines and other infrastructure, making them adaptable to a wide range of recycling environments. Our two intelligent factories and numerous automated production lines ensure the consistent quality of every device, offering a reliable solution for businesses striving to improve agricultural efficiency and food production.

MEYER IN NUMBERS

1993

Optical Sorting devices produced since **1993**

100+

Products installed in more than **100** countries

100.000+

Over **100.000** machines sold worldwide

60.000+

Above **60.000** customers use MEYER products

500+

More than **500** engineers working in R&D department

50+

MEYER showrooms in more than **50** locations around the globe

MEYER HISTORY

1993 — Founding of Ancoo, the precursor to Meyer

1994 — Ancoo produced the first optical sorter with a CMOS sensor

2000 — MEYER was founded

2004 — Invention of thefirst monochromatic sorter

2005 — MEYER's first colorful CCD optical sorter was released

2012 — MEYER listed on the stock market

2013 — Leading the formulation and publication of the national standard for rice color sorter

2014 — Attained 25th place in Forbes' top 100 companies with the greatest development potential.

2017 — Production of MEYER's first optical sorter with artificial intelligence (AI)

2019 — Establishment of MYER Europe

Introduction of the innovative R&D platform "MAGA."

2020 — The new building of MEYER intelligent factory completed

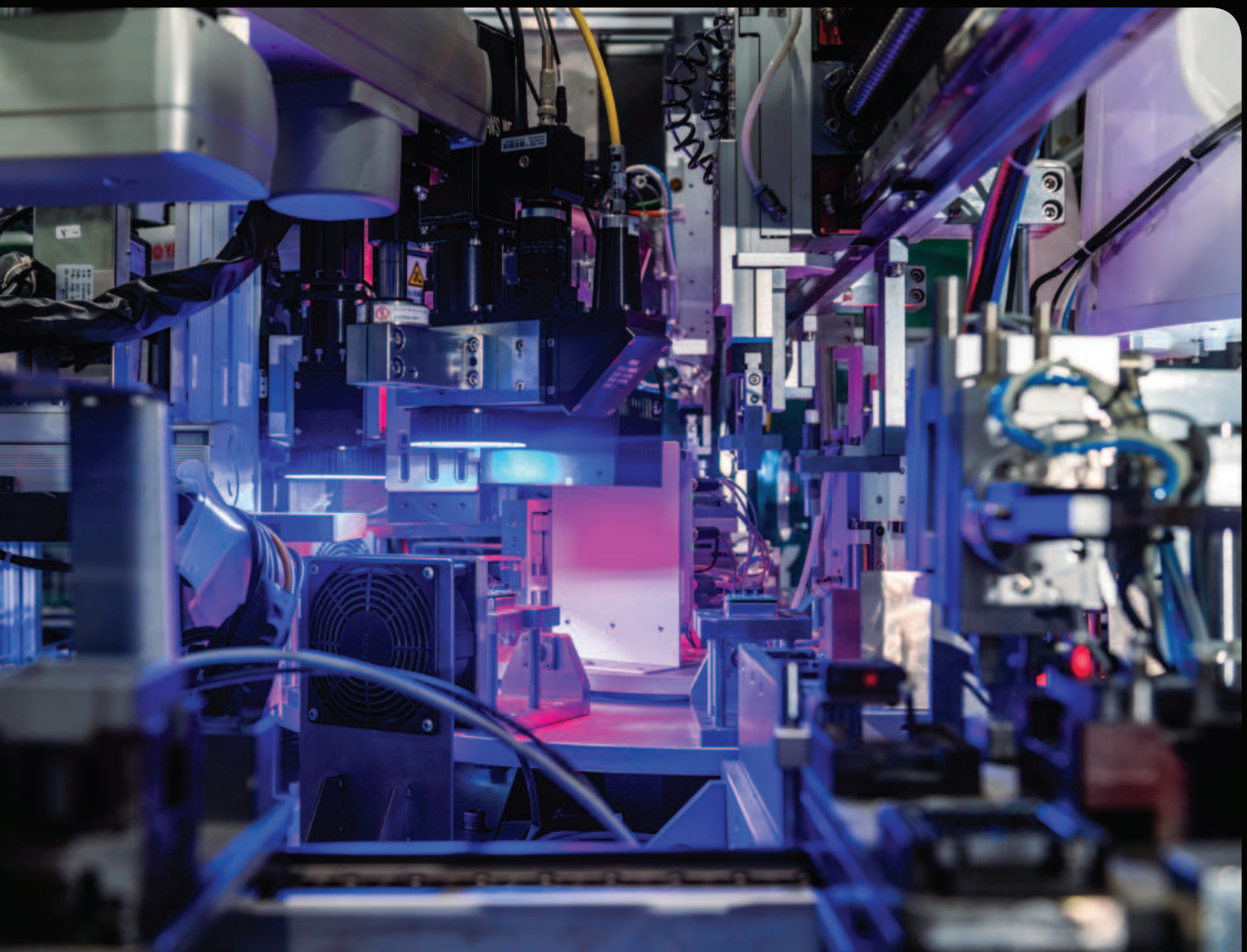
2023 — Introduction of Ai Deep Learning platform

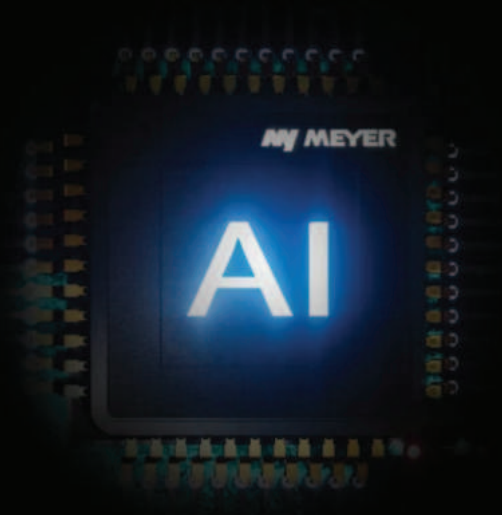
2025 — Premiere of MASTER 4.0 - - new generation systems and sorters

Meyer Technology
Impressive effectivness

At MEYER, we continuously refine our technologies to deliver the most advanced solutions for our customers. Through relentless innovation, we enhance the precision, efficiency, and reliability of our optical sorters. Our commitment to research and development ensures that we stay ahead in the industry, offering innovative and highly effective sorting solutions. By integrating artificial intelligence, deep learning, and high-resolution imaging, we optimize sorting accuracy and performance.

MEYER's advanced cameras and intelligent algorithms enable superior defect detection and impurity removal. We focus on user-friendly designs, ensuring seamless operation and minimal maintenance. Sustainability is also at the core of our innovations, helping industries reduce waste and improve resource efficiency. With MEYER technology, customers achieve higher productivity, better quality control, and greater operational excellence.



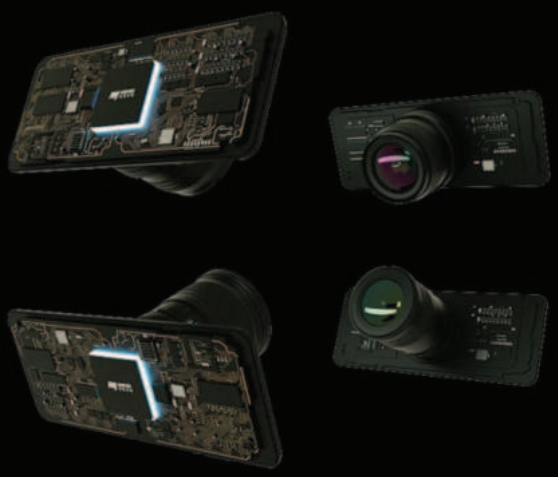


AI Deep Learning

Meyer invests heavily in AI technology to develop highly efficient sorting solutions. Our machines utilize advanced deep learning systems that analyze and process key material characteristics, such as color, shape, and density. By comparing objects with a vast database of reference models, they achieve exceptional accuracy in classification. This intelligent technology enables the detection of even the tiniest defects, down to just 1-2 pixels. Constant self-learning and optimization ensure that the system adapts to new materials and evolving sorting challenges. As a result, Meyer's AI-driven solutions provide unmatched precision, efficiency, and reliability in optical sorting.

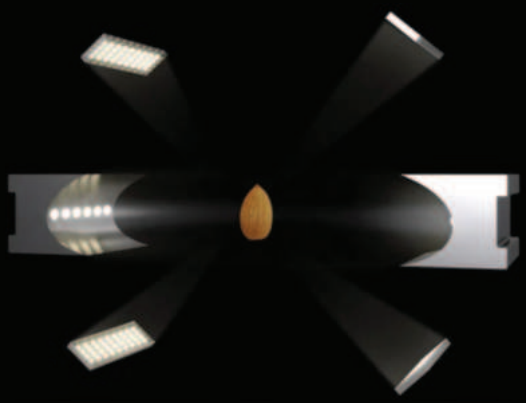
Maglev 3.0

Designed, produced, and patented by MEYER, the Maglev 3.0 ejectors deliver ultra-fast response and highly accurate ejection. Their millisecond-level opening and closing mechanism minimizes material loss and enhances sorting precision. The standardized design and fully automated manufacturing process guarantee extended durability and simplified maintenance. With exceptional efficiency and reliability, Maglev 3.0 ejectors optimize operational performance. Their advanced engineering ensures consistent performance even under intensive use, making them a key component of MEYER's high-tech sorting solutions.



Ultra high-speed HD Imaging System

The advanced inspection system scans material at a speed of 50,000 times per second, capturing its movement in slow motion-up to 1,000 times slower than in real time. The super slow-motion technology enables precise reconstruction of the material's actual parameters, significantly enhancing sorting efficiency. The use of low-distortion lenses and an industrial-grade CCD sensor allows for the identification of objects as small as 0.0025 mm^2. This exceptional precision ensures unparalleled sorting accuracy, even for the smallest defects and impurities.



Full-Spectrum Lighting System

MEYER's advanced lighting system, designed to mimic natural daylight, accurately captures the true colors of materials, making even the slightest color variations visible. Utilizing a full RGB range, it ensures precise color recognition for enhanced sorting accuracy. Additionally, the system allows for background color adjustments, optimizing the visibility of material features based on their unique properties.

Sniper System

The Sniper System is an advanced detection technology designed to identify contaminants in materials with exceptional precision. By utilizing three-dimensional reconstruction and a high-speed HD imaging system, it accurately pinpoints the exact location of impurities. This approach ensures that even the smallest defects are detected with maximum accuracy. The system processes real-time data to determine the precise center of contamination, enabling targeted and efficient removal of defective units.

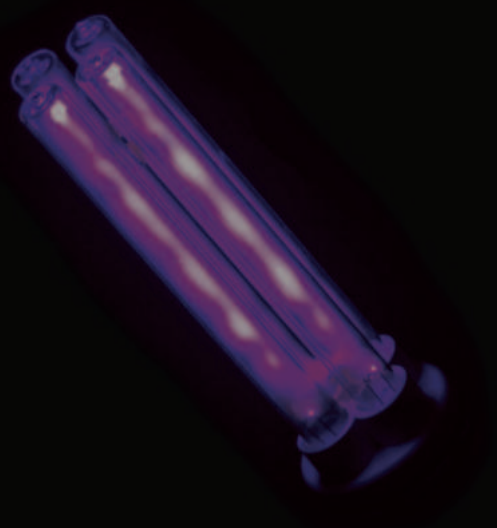
Intuitive Interface

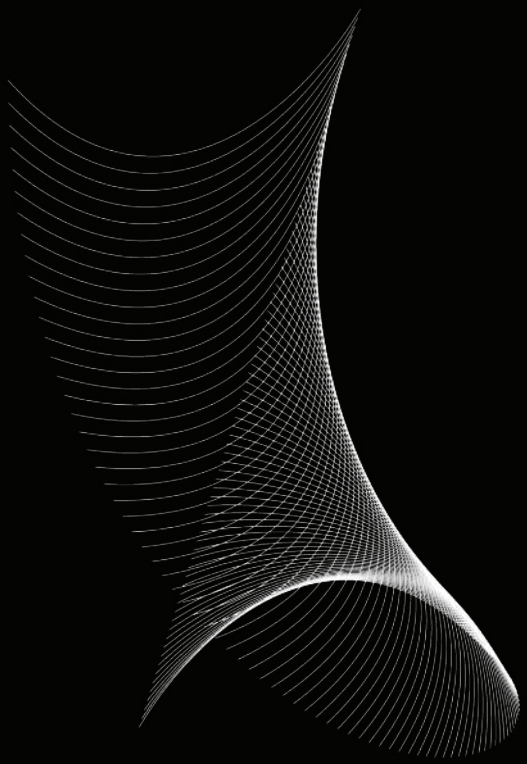
The control panel in MEYER devices is designed for maximum intuitiveness, making machine operation easy at any skill level. With a clear layout and user-friendly design, the system ensures convenience and operational efficiency. After proper training by the MEYER service team, operators can fully utilize the machine's capabilities while minimizing the time required for configuration and adjustments.

Innovative Vision Systems

MEYER machines are equipped with high-resolution cameras, enabling the identification of material characteristics based on multiple aspects such as color, shape, density, and type of material. The minimum recognition range can reach as small as 0.0004 mm^2. MEYER sorters feature a multispectral identification system, including visible light, infrared light, UV light, and X-RAY technology. By utilizing differences in material properties, the cameras in MEYER machines allow for the precise removal of defects and foreign objects.

Meyer's optical sorters leverage advanced UV technology to precisely detect and separate materials based on their fluorescence and absorption properties. This innovation is particularly effective in recycling, enabling the accurate identification of plastics, coatings, and contaminants that are invisible under standard lighting. By enhancing purity and efficiency in waste sorting, Meyer's UV technology helps industries chieve higher recycling rates while reducing environmental impact. It's a game-changer for sustainable material recovery.





X-ray detection technology in material sorting enables precise differentiation between combustible and non-combustible fractions based on their density and chemical composition. With its ability to penetrate materials, X-ray effectively identifies minerals, metals, and other non-combustible contaminants hidden within waste—elements that remain invisible to conventional optical systems. This is a game-changing solution for recycling and the energy sector, enhancing recovery efficiency and improving the quality of alternative fuels. Advanced image analysis algorithms ensure the process is fast, accurate, and reliable, minimizing losses while maximizing resource value.

MEYER smart factory

To ensure continuous operation and long-term usage with stable performance, MEYER has implemented appropriate engineering designs and elements of the modular production line to achieve product standardization and increase component integrity to 70%. The majority of parts are manufactured through automated and intelligent production processes.

Automatic, flexibly configurable metal processing production line

We have entirely mechanized metal processing, including the integration of manual, independent processes. To ensure high quality and product efficiency, we have incorporated storage, feeding, cutting, and unloading processes into the mechanized production line.

Automated welding line

We replaced manual spot welding with laser welding, allowing us to achieve smooth and even surfaces, aesthetic welds, and exceptional component coherence. Intelligent digital process control helps prevent thermal deformation. Precise, fully automated production minimizes errors, ensuring that each manufactured device maintains stable and consistent quality.

Fully Automatic SMT Circuit Board Production Line

Thanks to three fully automated SMT production lines, we execute hands-free production processes, including coding, automatic printing, solder paste dispensing, component placement, soldering, and automatic optical inspection. We have a fully automated UV glue application process (resistant to moisture, mold, and dust), ensuring consistent quality of PCBs, which guarantees the highest product quality in every aspect.

Intelligent surface painting workshop

We have introduced an environmentally friendly, robotic powder coating line with a digital management system. The spray painting process eliminates pollutants and increases coating hardness, and achieves a powder utilization rate of over 95%. This type of production line improves process quality and efficiency, as well as contributes to resource and environmental protection.

Optical sorters assembly line

The automatic assembly line equipped with Siemens CNC system autonomously monitors the entire production process, encompassing optical sorter frame preparation, complete device assembly, and other production processes. Thanks to standardized and modular production lines, sorter assembly efficiency increases by over 40%, significantly improving production efficiency and product quality.

MEYER

Rice

input

accept

reject

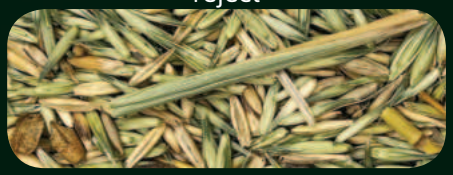
MEYER's solutions ensure precise rice sorting and exceptional product purity. Utilizing advanced optical systems, InGaAs cameras, and X-Ray detectors, our technology effectively removes impurities such as discolored grains, damaged kernels, internal defects, and foreign materials. Every stage of the sorting process is fully optimized to deliver the highest levels of quality and safety. MEYER guarantees complete control over raw material quality, meeting the most stringent standards of the food industry.

Oat

input

accept

reject



Optical sorting of oats is a precise process designed to remove unwanted impurities and low-quality grains. Using high-resolution cameras, the system detects subtle differences in color, shape, and surface texture, allowing for accurate separation of damaged, discolored, or contaminated kernels.

Pumpkin Kernels

input

accept

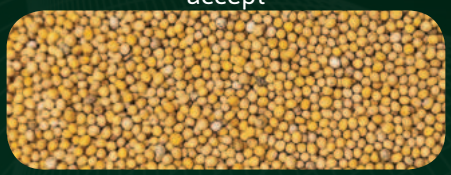
reject

Color sorting of pumpkin seeds relies on optical systems that precisely analyze the color and shape of each seed. This technology enables effective separation of healthy, high-quality seeds from those that are damaged, discolored, or contain other defects. The optical systems detect subtle shade variations, allowing for the removal of lower-quality seeds and ensuring product uniformity and visual appeal.

Mustard

input

accept



reject

Optical sorting offers an efficient solution for cleaning mustard seeds, which are challenging to process using traditional methods due to their small size. High-resolution cameras scan each mustard seed, detecting minute differences in color and shape. Based on this analysis, the system separates foreign materials and low grade seeds from the accepted product stream.

SORTING EXAMPLES

Almonds

input

accept

reject

Sorting almonds is a detail-oriented process—every aspect matters, from color and shape to the smallest surface imperfections. Modern optical sorters enable fast and accurate removal of kernels that don't meet quality standards. This technology proves essential where manual sorting is too time consuming and conventional methods fall short.

Walnuts

input

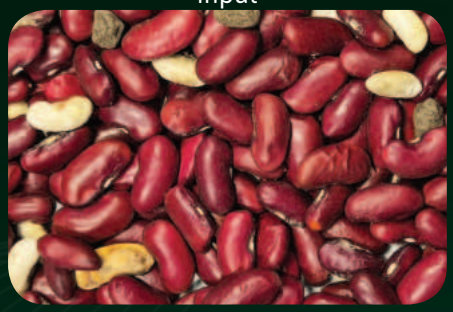
accept

reject

Sorting walnuts is a vital step in preparing the raw material for sale and further processing. Our solutions effectively separate kernels from shells, significantly improving efficiency and reducing raw material loss. Optical sorting technology also enables the removal of overripe, discolored, and broken nuts that can impact final product quality. The result is a clean, uniform, and visually appealing product that meets the highest market standards.

Kidney Beans

input



accept

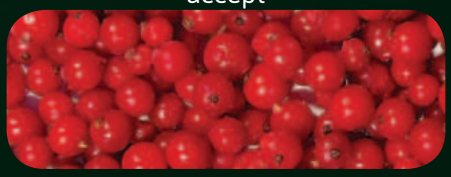
reject

Sorting beans—whether white, red, black, speckled, or pinto—requires precision beyond the capabilities of traditional methods. Each variety differs in color, texture, and shape, posing unique challenges for sorting systems. MEYER optical sorters, equipped with advanced color cameras and image analysis, quickly detect discoloration, damage, mold, and foreign materials. Tailored algorithms ensure accurate separation of substandard beans while maintaining high efficiency and minimal loss.

Red Currant

input

accept



reject

Red currants demand a gentle yet highly accurate sorting process to preserve their delicate structure and natural quality.MEYER optical sorters are specifically adapted to handle the unique challenges of small, frozen fruits. The system quickly identifies and removes leaves, stems, and damaged berries without compromising the integrity of the product. By analyzing color, shape, and surface characteristics in real time, the technology ensures only clean, intact fruits move forward.

Coffee Bean

input

accept

reject

Coffee sorting is a precise process essential for ensuring raw material quality. MEYER technology effectively removes beans that are too light or burnt, guaranteeing uniform appearance and consistent quality. Our optical sorters also detect and eliminate sticks, broken beans, and foreign objects that affect the product's cleanliness and presentation. This advanced sorting ensures every batch is thoroughly cleaned, allowing producers to focus on delivering coffee that meets the highest industry standards.

Phacelia

input

accept

reject

Sorting phacelia seeds, known for their exceptionally small size, presents a unique challenge. Traditional methods often fall short when handling such delicate grains. MEYER's optical sorting technology, however, delivers precise separation of impurities and defects, elevating seed quality to meet strict agricultural standards. Our systems ensure clean, uniform phacelia seeds, providing reliable material that supports successful planting and crop performance.

Psyllium

input

accept

reject

Sorting psyllium seeds requires exceptional precision due to their tiny size. MEYER's optical technology gently and effectively removes impurities, ensuring each batch meets the highest quality standards. Our systems handle even the smallest seeds with accuracy, delivering clean, uniform material ready for further use. MEYER's innovative solutions achieve levels of quality unattainable by traditional sorting methods

SORTING EXAMPLES

Bee Pollen

input

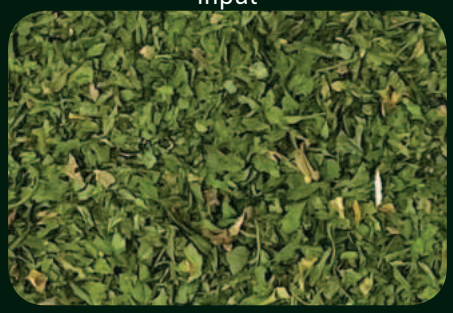
accept

reject

Sorting bee pollen using MEYER technology is a precise process that highlights the best qualities of this natural product. Our optical sorters accurately separate pollen based on color, enabling detailed classification by species and quality grade. This method enhances the pollen's visual appeal and allows producers to offer products with clearly defined characteristics, increasing their market value.

Dried Parsley

input



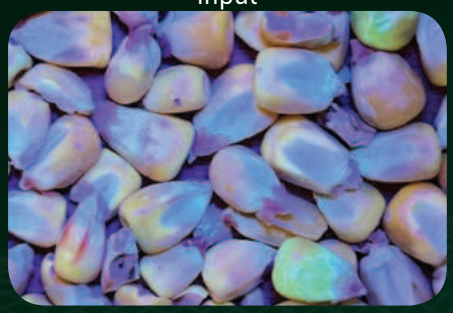
accept

reject

Dried parsley's light and delicate nature poses a challenge for sorting technology. While conventional optical sorters may struggle with effective cleaning, the MEYER KR series is engineered to detect impurities precisely and separate them gently. Thanks to advanced optical systems, MEYER KR sorters efficiently remove contaminants without compromising the product's structure

Corn Sorting (Aflatoxin Removal)

input



accept

reject

MEYER optical sorters use advanced UV technology to precisely detect and remove corn kernels contaminated with aflatoxins. Contaminated grains fluoresce under UV light, emitting a distinct glow that enables real-time identification and ejection. This method significantly enhances food safety by eliminating even trace amounts of toxins invisible to the naked eye. MEYER provides farmers and food processors with a reliable solution to meet the highest quality and safety standards, protecting consumer health.

MEYER

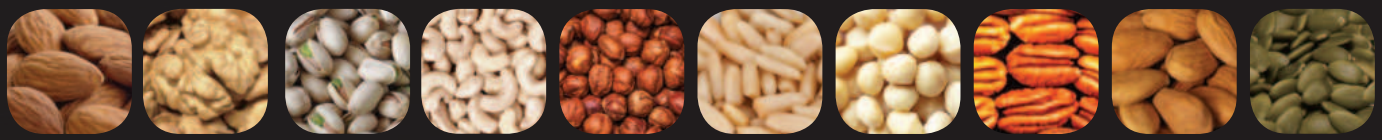
M2 series

chute type optical sorters

The M2 optical sorter is a compact and versatile solution designed for farmers, cooperatives, and small processing facilities seeking an efficient tool for agricultural product sorting. Utilizing advanced technology, the M2 effectively removes discolorations, broken grains, and other impurities, ensuring high-quality output.

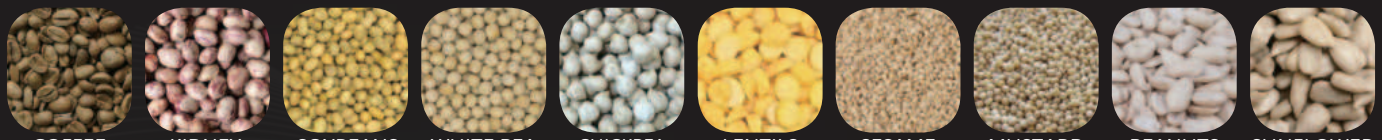
With a footprint of just 1 m², it fits easily into limited spaces. Built on a robust platform frame, the M2 offers stability, reliability, and durability. Its performance delivers precise sorting with minimal product loss. Adjustable settings provide flexibility to adapt to various requirements, making the M2 an ideal choice for dynamic production environments

NUTS & KERNELS



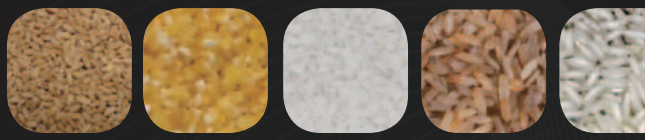
ALMONDS · WALNUTS · PISTACHIOS · CASHEWS · HAZELNUTS · PINE NUTS · MACADAMIA NUTs · PECANS · APRICOT KERNELs · PUMPKIN KERNELs

SEEDS & PULSES



COFFEE BEANS · KIDNEY BEANS · SOYBEANS · WHITE PEA · CHICKPEA · LENTILS · SESAME · MUSTARD · PEANUTS · SUNFLOWER SEEDS

GRAINS & RICE

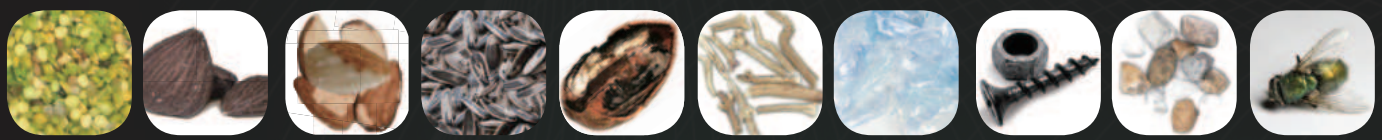


WHEAT · CORN · JAPONICA RICE · BROWN RICE · CHALKY RICE

VEGETABLES & FRUITS

RAISINS · DEHYDRATED FRUITS · DEHYDRATED VEGETABLES · TEA · GARLIC

MATERIAL & IMPURITIES REJECTION



DISCOLOURED · SHAPE & SIZE DIFFERENCE · DAMAGED · EMPTY & SHELL · ROTTEN & OILY · STALK · PLASTIC & GLASS · METAL · STONE & CERAMICS · INSECT

SPACE SAVING

LIGHTWEIGHT CONSTRUCTION

EXCELLENT PERFORMANCE

MULTIPURPOSE APPLICATION

Specifications:

Model:	M2 / MSXC-120M
Chutes:	2
Throughput:	0,2 – 1,2 T/h per chute
Power:	0.8 kw
Power Voltage:	AC 180~240 (50HZ)
Air source pressure:	≤ 1,0 m^3/min.
Weight:	300 kg
Dimensions:	940*1480*1500 mm

MEYER

CG.A series

chute type optical sorters

The CG.A series is a versatile optical sorter designed for precise sorting and classification of a wide range of materials: from grains, nuts, and vegetables to spices and herbs. The machine utilizes multispectral technology, enabling sorting based on color, shape, texture, and material. For the most demanding applications, a version with “AI Deep Learning” technology is also available, effectively detecting complex defects and contaminants that are impossible to identify with conventional methods. The machine also handles sorting by length, size, and shape. Its modular, automated design ensures stable, efficient operation and low operating costs. CG.A is the solution for those who demand maximum precision and reliability in sorting.

PHACELIA

reject

MUSTARD

reject

WHEAT

reject

YELLOW LENTILS

reject

CHICKPEA

reject

BEANS

reject

HIGH SORTING ACCURACY

EXCELLENT PERFORMANCE

MODULAR DESIGN

UNIVERSAL APPLICATION

Specifications:

Model:	GC2 / 120CG2	CG4 / 240CG2	CG6 / 360CG2	CG8 / 480CG2	CG10 / 600CG2	CG Max / 780CG
Chutes:	2	4	6	8	10	13
Throughput:	up to 1t/h per chute	up to 1t/h per chute	up to 1t/h per chute	up to 1t/h per chute	up to 1t/h per chute	up to 1t/h per chute
Power:	1.3 kw	2.0 kw	2.7 kw	3.4 kw	4.0 kw	5.0 kw
Power Voltage:	AC 180~240 (50HZ)	AC 180~240 (50HZ)	AC 180~240 (50HZ)	AC 180~240 (50HZ)	AC 180~240 (50HZ)	AC 180~240 (50HZ)
Air source pressure:	≤ 2,5 m^3/min	≤ 4,0 m^3/min	≤ 5,5 m^3/min	≤ 6,5 m^3/min	≤ 8.0 m^3/min	≤ 10.0 m^3/min
Weight:	750 kg	1120 kg	1400 kg	1750 kg	2090 kg	2800 kg
Dimensions:	1299*1564*2020 mm	1891*1564*2020 mm	2533*1564*2020 mm	3583*1564*2020 mm	3583*1564*2020 mm	4445*1620*2020 mm

MEYER

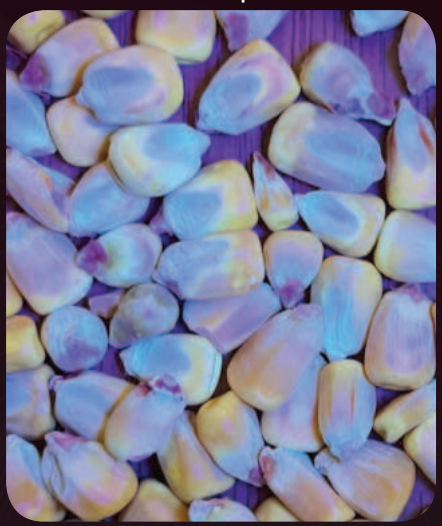
CG.A UV series

chute type ultraviolet sorters

The CG.A UV model was designed for the most demanding food safety tasks—specifically for the effective detection and removal of grains contaminated with aflatoxins. The integrated UV detection system identifies the characteristic fluorescence of infected particles, enabling the removal of defects invisible to the human eye. This specialized solution is ideal for producers who cannot afford to compromise on raw material quality and safety.

input

accept



reject

ADVANCED UV SORTING SYSTEM

OUTSTANDING PERFORMANCE

EFFECTIVE AFLATOXIN REMOVAL

Specifications:

Model:	CG8 UV / 480CG2	CG10 UV / 600CG2
Chutes:	8	10
Throughput:	up to 2,5 t/h per chute	up to 2,5 t/h per chute
Power:	3.4 kw	4.0 kw
Power Voltage:	AC 180~240 (50HZ)	AC 180~240 (50HZ)
Air source pressure:	≤ 6,5 m^3/min	≤ 8.0 m^3/min
Weight:	1750 kg	2090 kg
Dimensions:	2991x1564x2020 mm	3583*1564*2020 mm

MEYER

CG.A InGaAs series

chute type optical sorters

The CG.A series sorter with InGaAs cameras is an advanced optical solution that goes beyond traditional color sorting. Utilizing near-infrared (NIR) technology, the device analyzes not only the surface but also the internal properties of materials, such as structure and density. This enables precise separation of grains and legumes that are moldy, insectinfected, substandard, or at different stages of maturity—even when they appear very similar to healthy ones at first glance. The sorter is ideal for processing raw materials requiring deep quality selection, where standard methods fall short.

WALNUTS

reject

ALMONDS

reject

PUMPKIN SEEDS

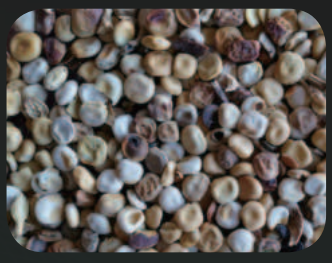
reject

COFFEE BEANS

reject

PEA

reject

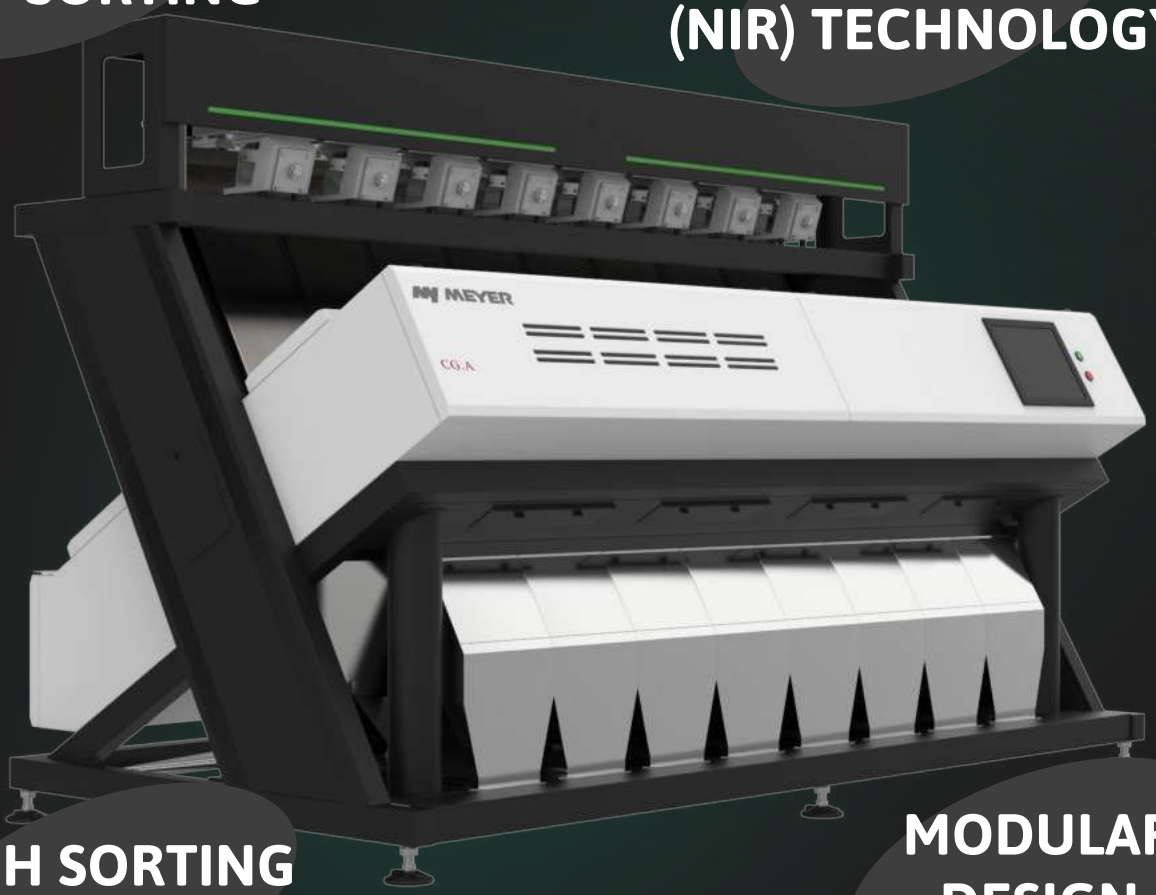


RICE

reject

DESIGNED FOR NUT SORTING

NEAR-INFRARED (NIR) TECHNOLOGY



HIGH SORTING PRECISION

MODULAR DESIGN

Specifications:

Model:	GC2 / 120CG2	CG4 / 240CG2	CG6 / 360CG2	CG8 / 480CG2	CG10 / 600CG2	CG Max / 780CG
Chutes:	2	4	6	8	10	13
Throughput:	up to 1t/h per chute	up to 1t/h per chute	up to 1t/h per chute	up to 1t/h per chute	up to 1t/h per chute	up to 1t/h per chute
Power:	1.3 kw	2.0 kw	2.7 kw	3.4 kw	4.0 kw	5.0 kw
Power Voltage:	AC 180~240 (50HZ)	AC 180~240 (50HZ)	AC 180~240 (50HZ)	AC 180~240 (50HZ)	AC 180~240 (50HZ)	AC 180~240 (50HZ)
Air source pressure:	≤ 2,5 m^3/min	≤ 4,0 m^3/min	≤ 5,5 m^3/min	≤ 6,5 m^3/min	≤ 8.0 m^3/min	≤ 10.0 m^3/min
Weight:	750 kg	1120 kg	1400 kg	1750 kg	2090 kg	2800 kg
Dimensions:	1299*1564*2020 mm	1891*1564*2020 mm	2533*1564*2020 mm	3583*1564*2020 mm	3583*1564*2020 mm	4445*1620*2020 mm

MEYER

KR series

belt type optical sorters

The KR series sorter is specially designed for handling lightweight materials such as tea, dried vegetables, and spices that require a gentle yet precise approach. Equipped with UHD2.0 technology and AI deep learning systems, the device effectively identifies and removes hard-to-detect contaminants like hair, feathers, insects, paper, glass, and small plastic fragments. The system enables simultaneous sorting by shape and color. Its innovative design features a low-speed conveyor belt and a precise air ejection system, reducing the risk of mixing fractions and minimizing damage to delicate materials

DRIED PARSLEY

reject

DRIED GARLIC

reject

CHAMOMILE

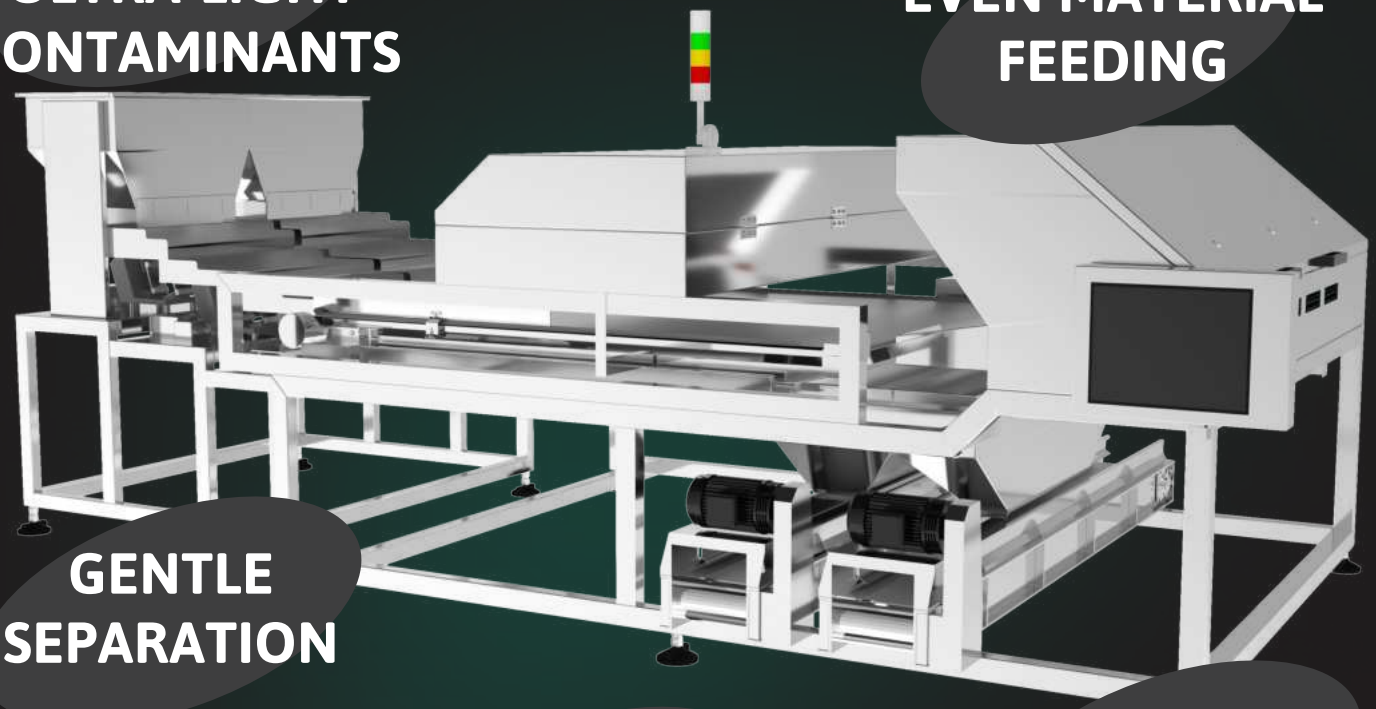
reject

HIBISCUS

reject

REMOVAL OF ULTRA-LIGHT CONTAMINANTS

EVEN MATERIAL FEEDING



GENTLE SEPARATION

PERFECT FOR SORTING LIGHTWEIGHT MATERIALS

OPERATIONAL STABILITY

Specifications:

Model:	120KR / 120KR5	240KR / 240KR5	360KR / 360KR5
Belt width:	60 cm	120 cm	180 cm
Throughput:	up to 100kg/h per belt chute	up to 100kg/h per belt chute	up to 100kg/h per belt chute
Power:	3.6 kw	4.7 kw	6.6 kw
Power Voltage:	AC 180~240 (50HZ)	AC 180~240 (50HZ)	AC 180~240 (50HZ)
Air source pressure:	≤ 2.0 m^3/min	≤ 3.0 m^3/min	≤ 4.5 m^3/min
Weight:	850 kg	1050 kg	1250 kg
Dimensions:	3600*1710*2000 mm	3600*2300*2000 mm	3600*2890*2000 mm

MEYER

KI series

belt type optical sorters

The KI series has been developed for the precise separation of shells and nut kernels, as well as the effective removal of contaminants from products such as walnuts, almonds, pistachios, and macadamia nuts. Utilizing advanced InGaAs technology based on composite infrared, the device distinguishes material composition rather than just color—allowing for the elimination of shells that visually resemble the kernel. The sorter also effectively detects and removes glass, sticks, plastic, and other contaminants that are difficult to separate using traditional methods. MEYER KI is a specialized solution for producers who demand maximum raw material purity and high efficiency in processing shelled nuts.

WALNUTS

reject

ALMONDS

reject

DRIED MUSHROOMS

reject

SLICED PEPPER

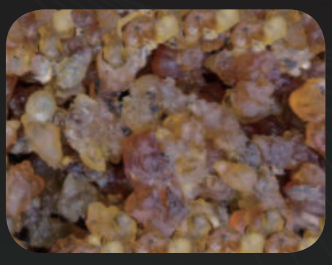
reject

DRIED CARROTS

reject

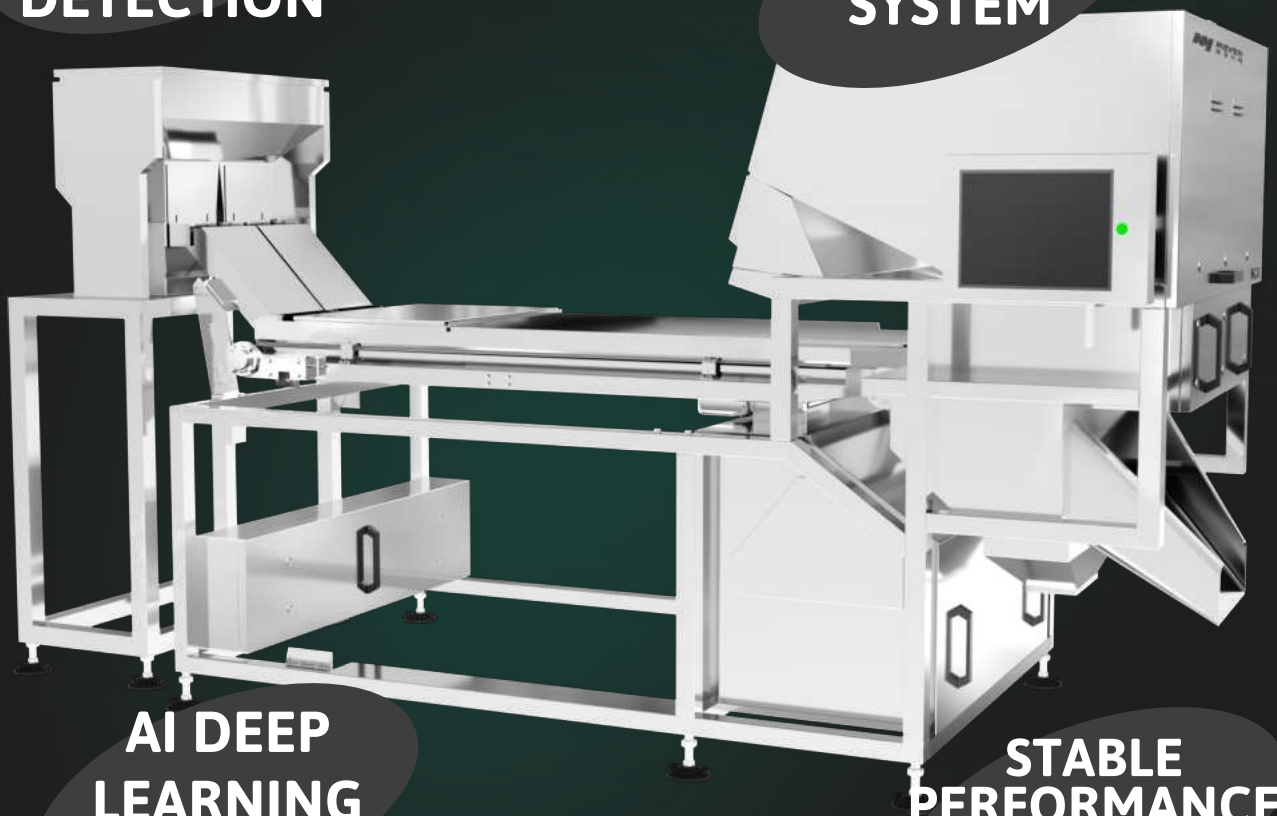
ARAB GUM

reject



ADVANCED MATERIAL DETECTION

SNIPER SYSTEM



AI DEEP LEARNING SYSTEM

STABLE PERFORMANCE IN CHALLENGING CONDITIONS

Specifications:

Model:	60KI4	120KI4	240KI4
Belt width:	30 cm	60 cm	120 cm
Throughput:	up to 1 t/h per belt chute	up to 1 t/h per belt chute	up to 1 t/h per belt chute
Power:	2.7 kw	3,8 kw	6,0 kw
Power Voltage:	AC 180~240 (50HZ)	AC 180~240 (50HZ)	AC 180~240 (50HZ)
Air source pressure:	≤ 1.5 m^3/min	≤ 2.0 m^3/min	≤ 3.0 m^3/min
Weight:	993 kg	1260 kg	1700 kg
Dimensions:	3865*1330*2350 mm	3865*1730*2350 mm	3865*2260*2350 mm

MEYER

K series

belt type optical sorters

Advanced sorting of irregularly shaped and delicate agricultural products

The K series is specifically designed for sorting challenging agricultural raw materials—those that are irregular in shape, large in size, high in moisture content, and prone to mechanical damage. It's the ideal solution for producers of vegetables, fruits, and other delicate food products that require precise yet gentle handling during the separation process.

With the integration of UHD2.0 technology and an AI deep learning system, the sorter accurately detects and removes even the smallest defects—such as discoloration, mechanical damage, mold traces, or insect presence—as well as foreign materials including glass, plastic, sand, or stones. The advanced system enables simultaneous shape and color analysis, significantly boosting sorting effectiveness while maintaining high production line efficiency.

GARLIC

reject

GARLIC FLAKES

reject

WOODPECKERS

reject

RASPBERRIES

reject

FRIES

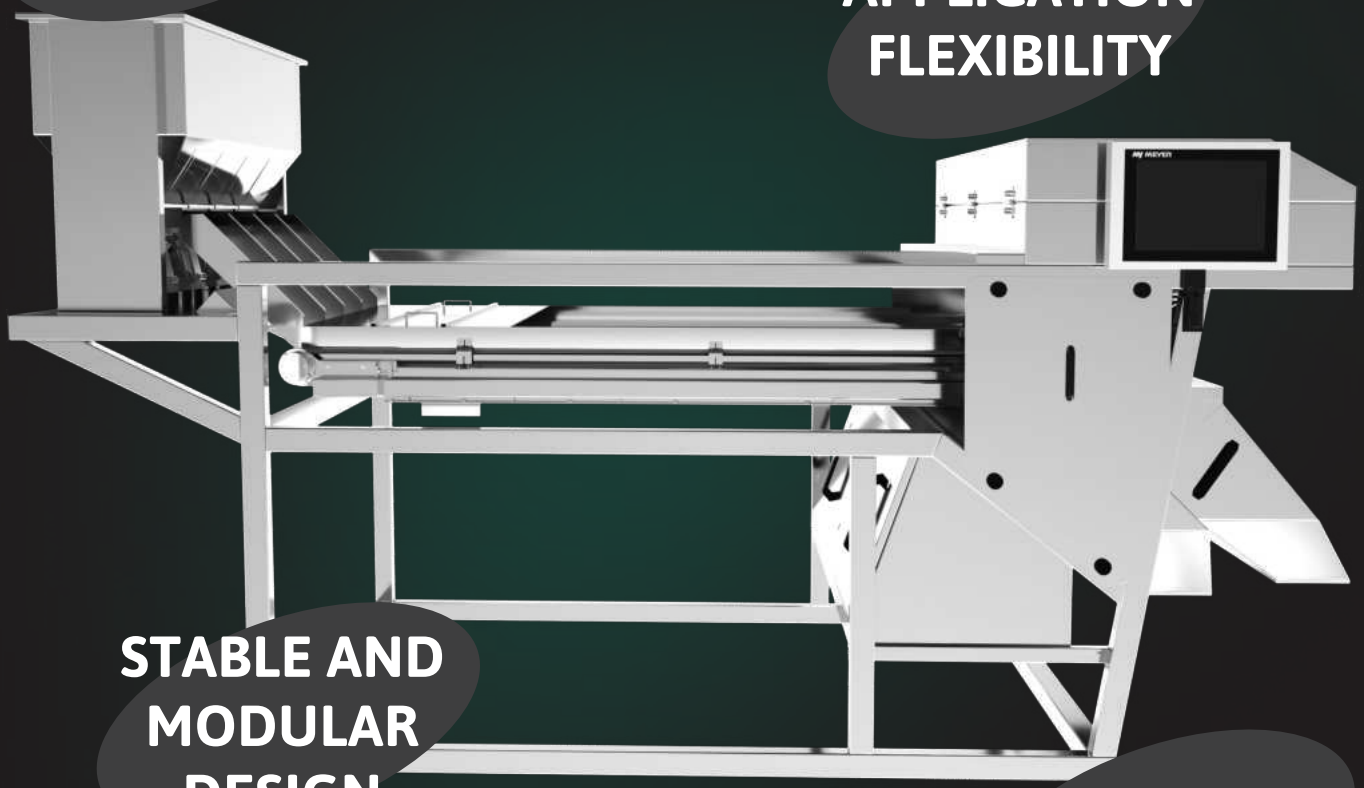
reject

CHIPS

reject

HIGH EFFICIENCY

APPLICATION FLEXIBILITY



STABLE AND MODULAR DESIGN

INTUITIVE INTERFACE

Specifications:

Model:	60K5	120K5	240K5
Belt width:	30 cm	60 cm	120 cm
Throughput:	up to 1 t/h per belt chute	up to 1 t/h per belt chute	up to 1 t/h per belt chute
Power:	3.1 kw	3,6 kw	4,7 kw
Power Voltage:	AC 180~240 (50HZ)	AC 180~240 (50HZ)	AC 180~240 (50HZ)
Air source pressure:	≤ 1.5 m^3/min	≤ 2.0 m^3/min	≤ 3.0 m^3/min
Weight:	580 kg	700 kg	990 kg
Dimensions:	3530*1200*2000 mm	3405*1421*1789 mm	3405*2043*1789 mm

MEYER

CI series

nuts chute type optical sorters

The CI series has been specifically developed for the precise separation of nut kernels and shells such as pistachios, pecans, and pine nuts. A key component is the InGaAs technology, which uses the infrared spectrum to analyze material composition—not just color. This allows the device to flawlessly detect and remove elements that are difficult to distinguish with traditional methods: shells with colors similar to nuts, small metal fragments, glass, and plastics. It's the ideal solution for those who demand high-quality sorting and consistent results in nut production.

PISTACHIOS

discoloured kernel

HAZELNUTS

shell

ALMONDS

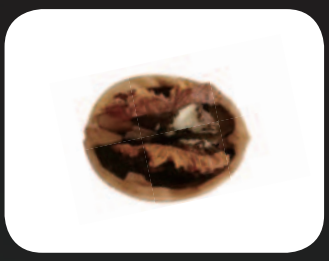
dark kernel

PINE NUTS

discoloured kernel

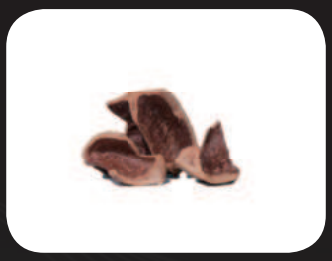
WALNUTS

rotten nut



discoloured kernel

shell



APRICOT KERNELS

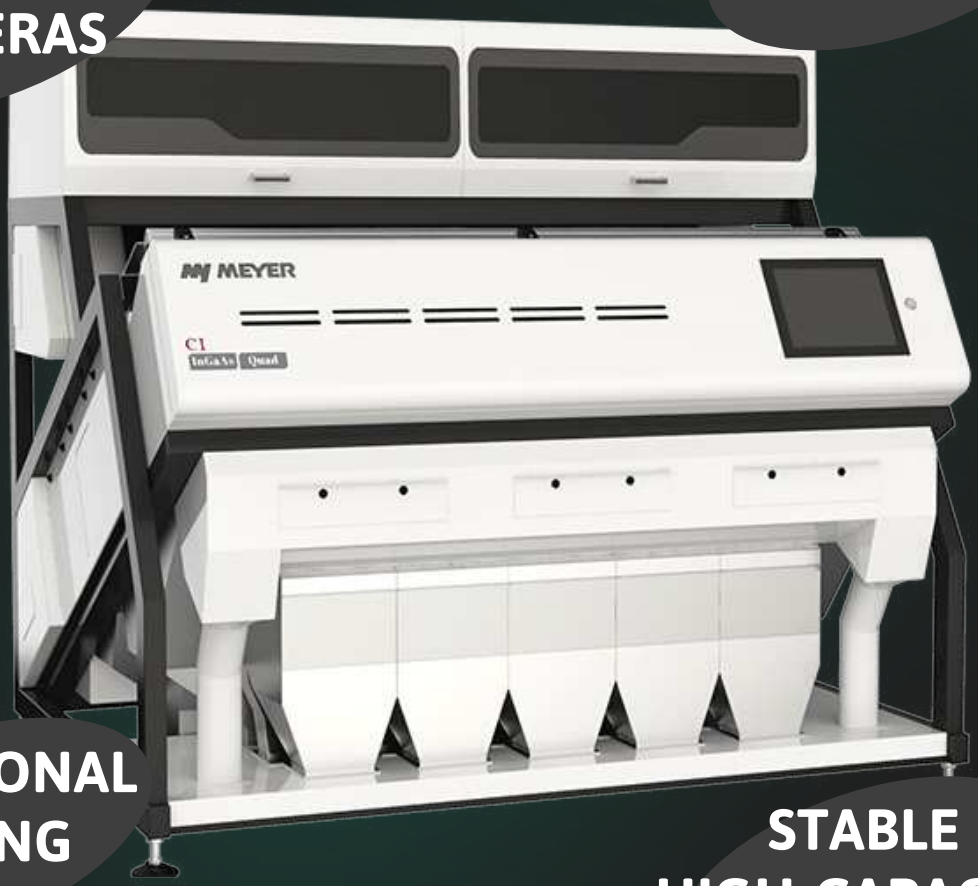
peeled kernel

discoloured kernel

shell

INGAAS CAMERAS

INTELLIGENT VISION SYSTEM



EXCEPTIONAL SORTING PRECISION

STABLE HIGH-CAPACITY PERFORMANCE

Specifications:

Model:	CI1 / 6SXZ-60CI	CI3 / 6SXZ-180CI	CI5 / 6SXZ-300CI	CI8 / 6SXZ-480CI
Chutes:	1	3	5	8
Throughput:	up to 1.2t/h per chute	up to 1.2t/h per chute	up to 1.2t/h per chute	up to 1.2t/h per chute
Power:	2.3 kw	4.5 kw	6.0 kw	8.0 kw
Power Voltage:	AC 180~240 (50HZ)	AC 180~240 (50HZ)	AC 180~240 (50HZ)	AC 180~240 (50HZ)
Air source pressure:	≤ 1.5 m^3/min	≤ 3.0 m^3/min	≤ 4.5 m^3/min	≤ 6.5 m^3/min
Weight:	1000 kg	1400 kg	1700 kg	2000 kg
Dimensions:	1136*1700*2030 mm	1628*1700*2030 mm	2220*1700*2030 mm	3108*1700*2030 mm

MEYER

XS series

X-ray detectors

The advanced X-ray detection system of the XS series is designed to eliminate the toughest contaminants across a wide range of food products—from legumes, nuts, seeds, and kernels to dried fruits, vegetables, and tea. Utilizing a state-of-the-art X-ray source with a beryllium window, the device delivers high-quality imaging that enables precise detection of differences in density, thickness, and material composition—imperceptible to the human eye. This allows effective removal of glass, metal, stones, ceramics, as well as defects such as overripe, worm-infested, or hollow grains.

With detection accuracy down to 0.05 mm and the capability to distinguish contaminants with similar densities, the system guarantees the highest level of product safety. Combined with AI deep learning technology, the XS dynamically adapts sorting algorithms to changing conditions and raw materials.

SUNFLOWER SEEDS

PEANUTS

RED BEANS

CHILLI

RAISINS

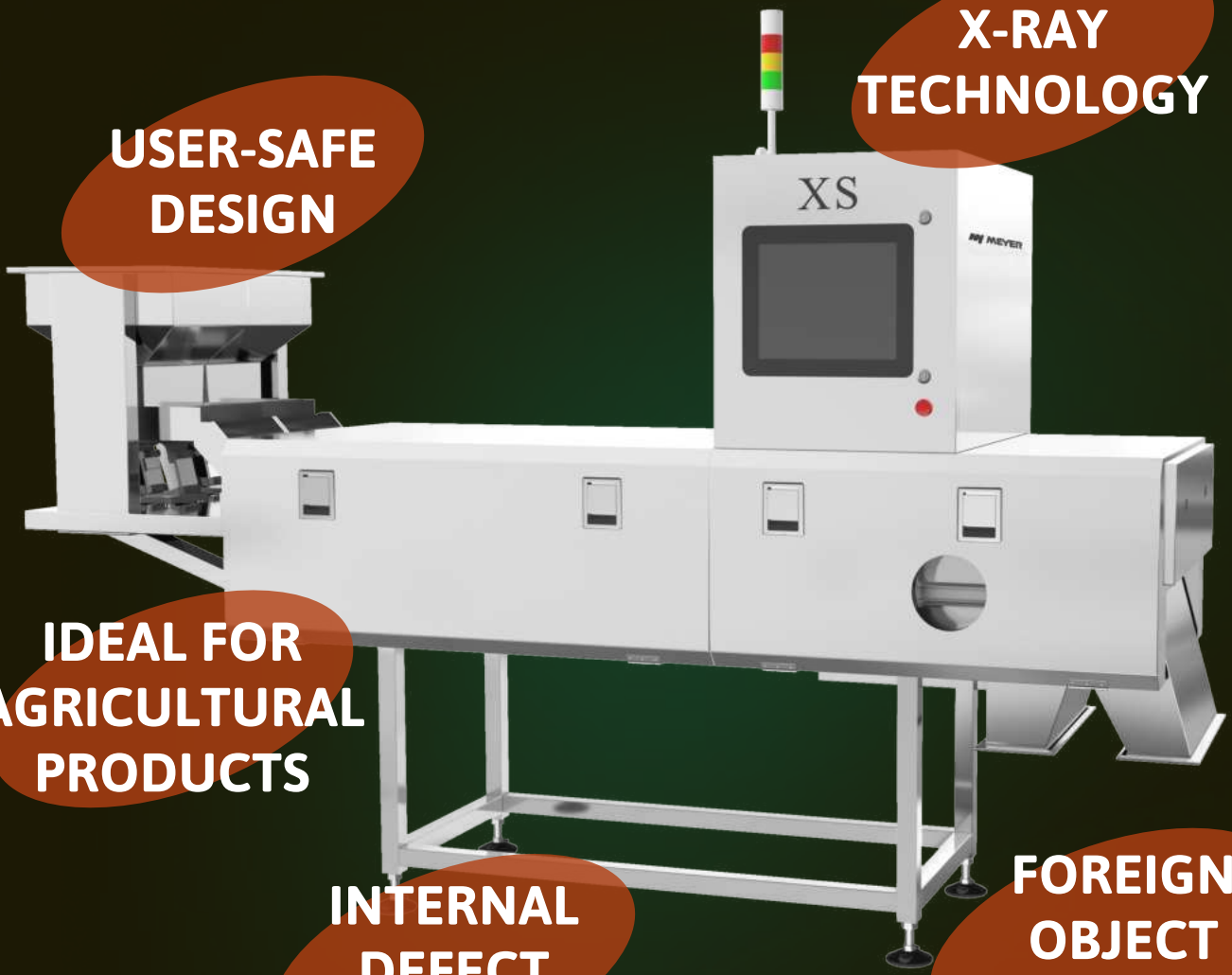
VEGETABLES

REJECT

empty | mouldy | sprouted | damaged | emptied | wormholes | metal | glass | stone

X-RAY TECHNOLOGY

USER-SAFE DESIGN



IDEAL FOR AGRICULTURAL PRODUCTS

INTERNAL DEFECT REMOVAL

FOREIGN OBJECT DETECTION

Specifications:

Model:	60XS4	80XS4	120XS4
Belt width:	440 mm	588 mm	900 mm
Throughput:	up to 2,5 t/h per belt chute	up to 2,5 t/h per belt chute	up to 2,5 t/h per belt chute
Power:	2,5 kw	2,5 kw	2,8 kw
Power Voltage:	AC 180~240 (50HZ)	AC 180~240 (50HZ)	AC 180~240 (50HZ)
Air source pressure:	≤ 0,3 m^3/min	≤ 0,3 m^3/min	≤ 0,6 m^3/min
Weight:	580 kg	680 kg	780 kg
Dimensions:	2530*1100*2200 mm	2530*1250*2400 mm	3200*1560*2200 mm

MEYER

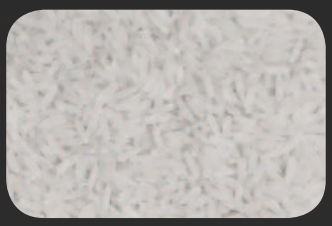
MYFV-A2

rice analyzer

The MYFV-A2 analyzer is designed for modern, automated rice processing, where not only efficiency but, above all, consistent product quality matters. Equipped with a precise 360° imaging system and a resolution of 0.075 mm, the device enables detailed assessment of each grain—from every side and angle. In just a few minutes, the analyzer provides a comprehensive data set: broken grain levels, presence of chalky, discolored, or yellow grains, retained husks, and length-to-width ratios.

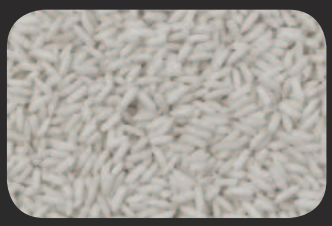
The MYFV-A2 can operate directly on the production line, working in tandem with huskers, polishers, mills, or optical sorters. Based on the collected data, machine settings can be immediately adjusted to improve the overall process efficiency. This is a tangible support for producers striving for full quality control and plant digitization. Additionally, the MYFV-A2 is a step towards unattended sorting—it enables integration with industrial data platforms, paving the way for further process automation.

JAPONICA RICE



INDICA RICE

ALL CHALKY



PARTIALLY CHALKY

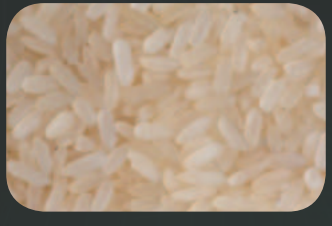
TRANSPARENT

WHITE

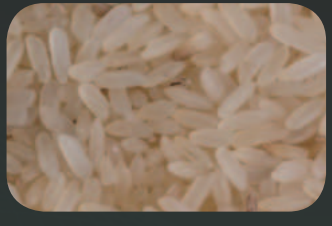
LIGHT YELLOW

STICKY YELLOW

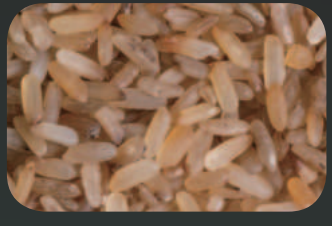
PARBOILED CLEAR



PARBOILED MEDIUM

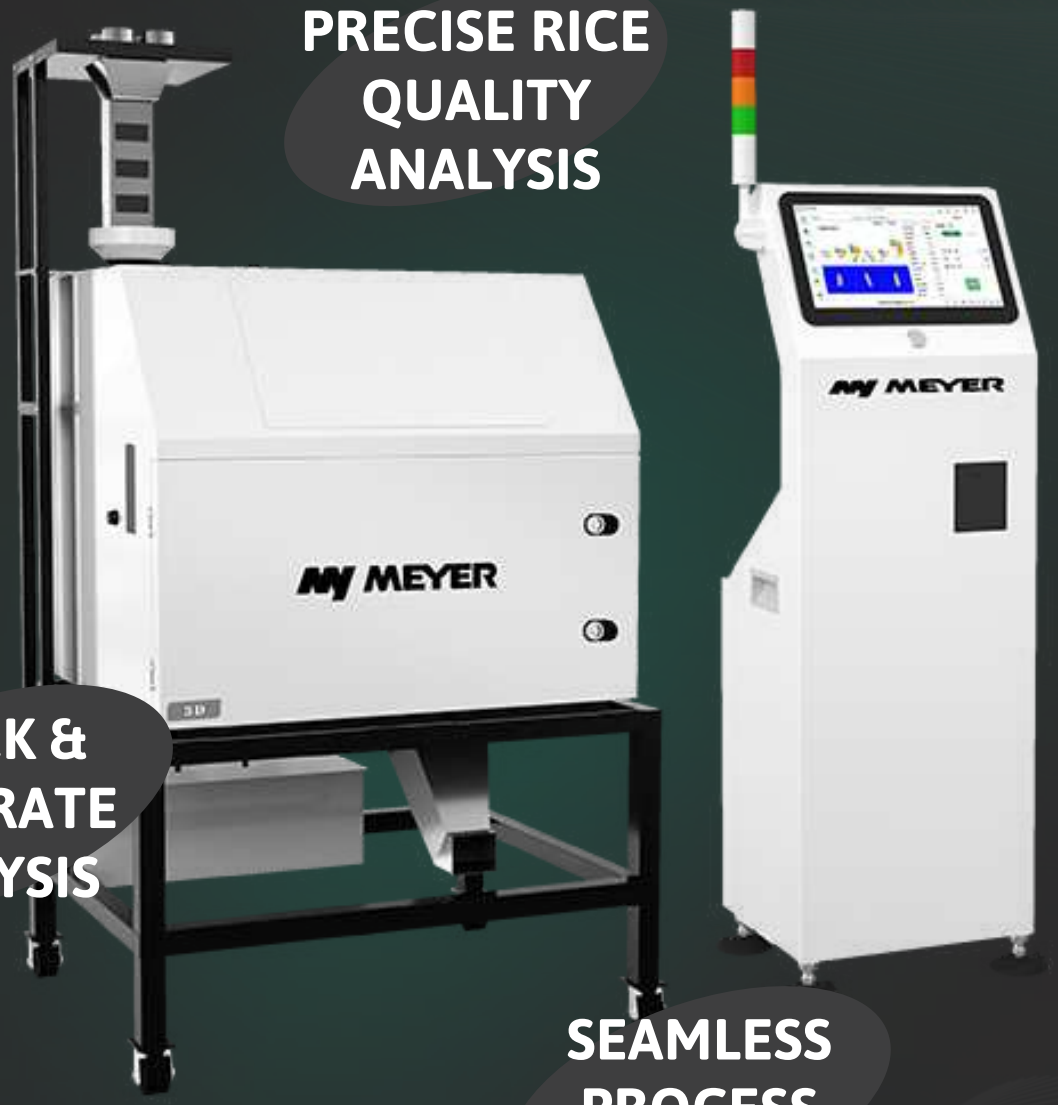


PARBOILED DARK



PARBOILED BLACK

PRECISE RICE QUALITY ANALYSIS



QUICK & ACCURATE ANALYSIS

SEAMLESS PROCESS CONTROL

Specifications:

Model:	Rice Analyzer mFV-A2
Chutes:	1
Detection weight:	50 g per time
Detection speed:	≤ 1g/s
Detection time:	2 minutes
Power:	0.4 kw
Power Voltage:	AC 180~240 (50HZ)
Weight:	130 kg
Dimensions:	750*630*743 mm

Service

Product Selection Support

Our expert team helps you choose the optimal MEYER machine, ensuring maximum business value and performance. We work closely with clients to identify needs and deliver tailored solutions.

Installation & Start-up

We provide professional assistance and training for smooth installation, efficient operation, and long-term machine performance. Well-trained staff ensures easier maintenance and better product quality.

Service & Support

MEYER offers fast aftersales support, online assistance, and maintenance plans to ensure minimal downtime and optimal efficiency. Our dedicated team responds quickly to keep your operations running smoothly.

Material Testing

Visit our Poland test center to assess sorting performance, explore MEYER technology, and make informed investment decisions. Hands-on testing helps optimize processes and improve sorting accuracy.

Test Center

The MEYER Europe Test Center in Michałowice, near Warsaw, offers customers to carry out optical sorting tests on their own materials.

The convenient location - just 15 minutes from Chopin Airport - ensures easy access from different parts of Europe. Our specialists perform live tests, conduct material analysis and adjust machine configurations to maximise performance.

For the agricultural industry, we offer advanced colour sorters, object sorters and X-Ray detectors to ensure precise material sorting.

Through testing on real materials, we help companies streamline their processes and improve sorting quality, ensuring higher standards in agriculture and food production.

Meyer Europe Team

For 30 years, MEYER has been continuously developing optical sorting technology, striving for perfection and innovation.

Over this time, we have introduced a series of groundbreaking solutions, from the first sorters based on analog digital circuits to advanced systems using artificial intelligence and X-ray detection.

We consistently enhance the performance of our machines, offering solutions tailored to a wide range of unique materials. We never rest on our laurels, constantly introducing innovations that improve sorting quality, increase precision, and boost efficiency.

MEYER is a leader that focuses on continuous development to provide optical sorting solutions of the highest level.

As awesome team, as well sorters are

MEYER

MEYER EUROPE s.r.o.

Add: Nám L.Novomeského 1, 040 01 Košice, Slovak Republic

Test Centre: Pałacowa 23 / Hala E+ / 25,
05-816 Michałowice-Wieś, Poland

Email: sales@meyer-corp.eu

Tel: +421 948 209 976

Website: www.meyer-corp.eu

May, 2025

@MEYEREurope

MEYER Europe

MEYER Europe

Website