



Servoqual

MEHR

WHEN PERFORMANCE MATTER



MULTI PURPOSE

PERFECT OPTICAL SORTING SOLUTIONS



About Servoqual

Keeping high quality as our forte, we Servoqual Industry LLP, are engaged in the manufacturing, supplying and exporting of a wide range of Color Sorters. Our better understanding and in-depth expertise coupled with the team of experienced and expert professionals assist us in delivering customized & cost effective products.

Our relentless efforts in providing varied customized solutions regarding the technical aspects of the products help to get a new dimension of customer's trust and confidence. Established in the year 2010 at Coimbtore, we have been striving in delivering a wide range of Color Sorters, which experience commodious demand in varied industries.

We have high competency in manufacturing of Color Sorters, (Rice Color Sorters, Tea color Sorters, Wheat color Sorters, Soya Bean, Ground Nut, Cashew, Garlic, Color Sorters, Etc.) sorter etc. To cater to the inclusive potential of the industry, we are coming forward with latest technological advancements.

Our policy based on our quality aspirations and customer satisfaction, we have judiciously placed our overall business policy, which comprises

Vision

Innovation through research, development and most recent technology to make the outcomes and establish the company's growth in accordance with the value of customer.

Mission

- Committed, innovative design,
- experience to change unfavourable moments
- in sorting areas of clients' business around the world.



SERVOQUAL INDUSTRY LLP

QUALITY POLICY

We are committed to fulfill our customer's expectations and comply with all relevant Legislation. This will be achieved by continually improving the performance of our systems in the Design, Manufacturing and Service and On-time Delivery through team Work. Establishing, implementing and maintaining continual improvement projects in quality management system. Providing necessary motivational trainings to our employees.

PRODUCTS FEATURES

With our ultimate aim to place ourselves as one of the top notch company of the industry, we have been designing & developing a precision range of Range of Color Sorters, which are exclusively used in different industry applications.

- Special-designed Chute for Small & Light Seeds
- Dust Sucking System
- PID Position Control System
- True Color Camera
- Exclusive Seed Algorithm
- Sniper System
- Easy to Clean

PULSES

By thousands of sorting tests for different shapes and colors of various pulses, we finally find the best solutions for pulses sorting and achieve the requirements from customers.

Accept

Reject



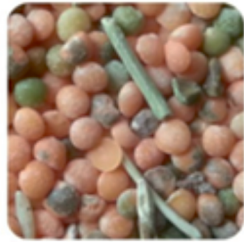
Urad bean



Soya



Chickpea



Lentil



MEHR Series is a flexible machine with high accuracy and stability. It can effectively separate different colors and shapes for different kinds of pulses, and provide customers with easy and reliable solutions.

MEHR SERIES COLOUR SORTER

with over 20 years research in pulses production, MEHR Series color sorter can work perfectly for more than 100 different types of pulses such as chickpeas, daal, lentil etc. The shape sorting function can separate different sizes of materials as well.



TECHNICAL ADVANTAGES

15" HD touch screen
5th generation Intel FPGA core

AI self-learning system
remote control

anti-broker system
3D dust suction system

NUTS

Accept



Reject



Almond



Walnut



Pistachio



Peanut



Cashew Nut

Kernel Shell Separation & Color Separation

We are experts in nuts production. Our machine can help the customers not only separate shells from kernels when they have different colors, but also work perfectly to separate shells from kernels when they have the similar colors. The most advanced InGaAs infrared technology makes nothing is impossible in nuts processing.



MEHR - X SERIES

MEHR - X Series horizontal sorter is mainly used for the sorting purposes of various materials with large size, irregular shapes, easily broken and other special characteristics. At present it is widely used inserting kinds of nuts dehydrated vegetables salt and other special products. In gas infrared sensors can be optioned according to the sorting requirements of Shell and kernel separation.



MEHR - Z SERIES

MEHR - Z Series infrared sorter is mainly used for kernel and shell separation of nuts production. With In Gas infrared imaging Technology, it can effectively identify and distinguish all kinds of kernels and shells of the same colour, as well as malignant impurities such as stones, glass and metals in Raw materials. At the same time this equipment also has the function of colour sorting.



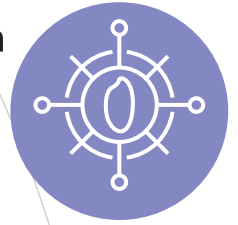
MEHR - G SERIES

MEHR - G Series vertical sorter supplies customers and economical solution of colour separation for nuts when the colours have obvious distinctions between kernel and shell. With the most advanced colourful CCD sensor and unique AI self learning system operators can remove the discolour from kernels easily. Glass, stone, metal, rubber, plastic can also be removed from Nuts by the optional and infrared system.



Intelligent Image Recognition

Hundreds of professional identification algorithms, integrated with the third-generation multispectral confocal technology,
Realize multi-dimensional and multi-feature learning such as color, shape, texture, area, weight, soft and hard, etc.
Continuous perception, improvement, and data iteration, the road is simple, and the recognition is infinite;



Ai Smart Sorting

One-click smart selection, smart simulation technology,
real-time dynamic online tracking,
Bring the ultimate operating experience;



Cloud Think Tank

MEHRinvested to build an open mass sorting application database,
Cloud interactive storage, a wide range of material solutions are exclusively created for you,
Share the convenience and value of the big data era with users.



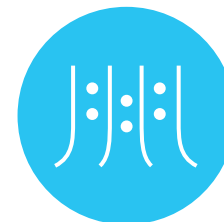
Intelligent Care System

Feeding protection + soft landing buffer design, detail protection, sincerely for you;



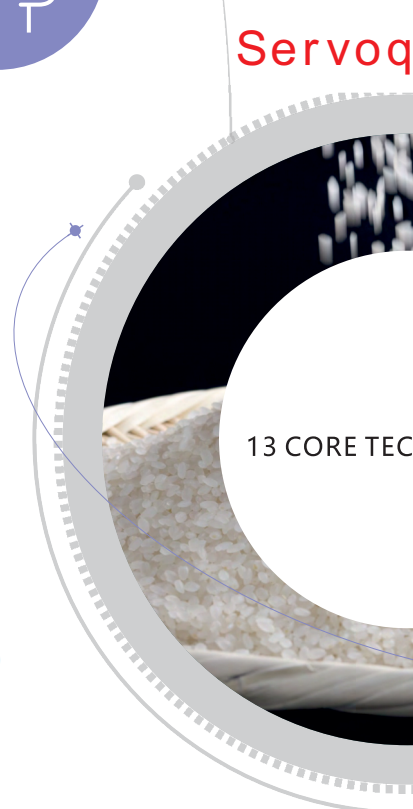
Balanced Feeding

Intelligent analysis adaptive material level flow rate system,
Balance the flow of the production line to ensure the best sorting effect, better production capacity, and unattended;



Intellectual Defense Guard

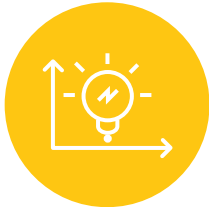
Multiple intelligent early warning protection,
No worries about equipment operation, unlimited distance,
serve us everywhere;





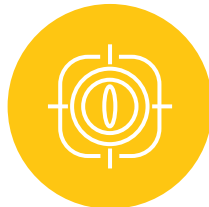
S-class Professional Vision System

Using customized ultra-high transmittance optical lenses, multi-frame synthesis noise reduction, true color reproduction, more accurate identification of dark light and dark color differences, and better system optical quality; with E image processing technology, to meet every pursuit of the ultimate sorting effect user.



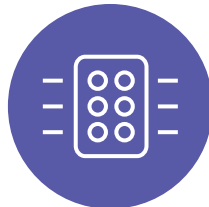
Intelligent Control Dimming System

MEHRintelligent control light source system has been upgraded again. High brightness, high penetration light source, intelligent control system intelligently matches material selection requirements and changes in the environment, and the penetration ability of dark light and dark light absorbing parts is comprehensively improved, illuminating the world, only for Perfect sorting.



Target Positioning 3.0 Algorithm

The center of mass dynamic 3.0 processing algorithm can match the best strike method according to the material's running trajectory, attitude, spatial position, speed, three-dimensional force center, edge characteristics and other information.



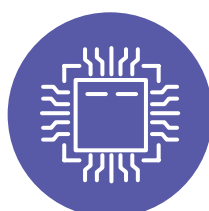
Super Alloy High Frequency Solenoid Valve

National patent, high frequency and low air consumption, Wear-resistant and high-temperature superalloy, matching for lifetime;



Breathable Bionic Wind Net System

Engineering bionic design, intelligent breathing air network system, multi-directional separation design, non-stop cleaning, more thorough cleaning;



Powerful Chips

MEHR Smart DGS chip and ARM work together, dual-core + dual intelligent engine, the operation efficiency is geometrically improved, higher speed, more efficient and smarter, to meet the user's requirements for different material characteristics, impurities, and quality standards changes, MEHRDedicate a shocking sorting experience to the forward-looking.

al, Yes 👍



GRAINS & SEEDS

With people's further understanding of the health function and nutritional components of grains, the global consumption of grain products had increased rapidly in recent years. More than 1.4 billion tons of grains and grain products are consumed worldwide every year.

MEHR - G SERIES



MEHR - X SERIES



TYPICAL APPLICATIONS



Servoqual offers a wide range of technologies and services for thousands kinds of grains and grain products, we also understand the whole process, so we can help you to chose the best solution for individual products.

Belt type colour sorter

Belt Conveying Type Color Sorter Machine, is designed for fragile, irregularly shaped, big sized material sorting solution, Garlics, Chilli Peppers, Dehydrated Vegetables, Quartz Sand, Mineral Stones, Sea Products etc. applications.



Reject



Accept



Accept



Yellow Skin



Bad Chilli

Reject



MEHR - X SERIES



MEHR X series Garlic color sorter can provide independent "shape sorting", or "color sorting" or "Shape sorting + color sorting" schemes to meet various producing requirement.





WHEN PERFORMANCE MATTER

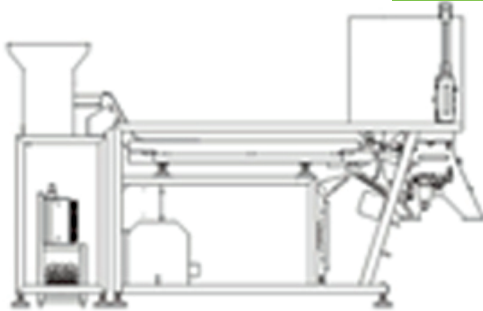


PRODUCT PARAMETERS

Model	Throughput (T/H)	Carryover Ratio (bad: good)	Accuracy (%)	Voltage (V/Hz)	Power (KW)	Weight (Kg)	Dimension (mm)
MX1 MEHR*1	1-1.2	150: 1	>99.99%	220/50	1.3-2.2	300/600	875*1550*1320
MX2 MEHR*2	2-3	150: 1	>99.99%	220/50	1.3-2.2	800/860	1403*1610*1887
MX3 MEHR*3	3-5	150: 1	>99.99%	220/50	1.3-2.2	960/1030	1718*1610*1887
MX4 MEHR*4	4-6	150: 1	>99.99%	220/50	1.7-2.9	1120/1200	2033*1610*1887
MX5 MEHR*5	5-7	150: 1	>99.99%	220/50	2.2-3.7	1280/1360	2348*1610*1887
MX6 MEHR*6	6-8	150: 1	>99.99%	220/50	2.6-4.4	1440/1530	2663*1610*1887
MX7 MEHR*7	7-9	150: 1	>99.99%	220/50	3.1-5.2	1600/1700	2978*1610*1887
MX8 MEHR*8	8-10	150: 1	>99.99%	220/50	3.5-5.9	1800/1910	3293*1610*1887
MX9 MEHR*9	10-12	150: 1	>99.99%	220/50	4.3-7.3	2150/2260	3933*1610*1887
MX10 MEHR*10	12-14	150: 1	>99.99%	220/50	5.2-8.8	2500/2630	4563*1610*1887

* Output Depends on Contamination

MEHR - X SERIES



Maize



Almond



Walnut



Hazelnut



Cashew Nut

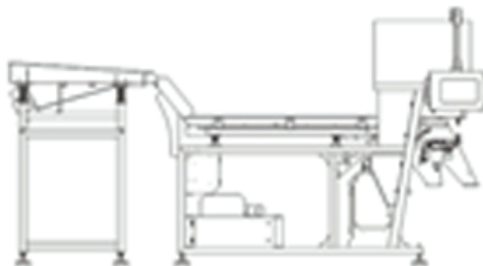


Sunflower Seeds

Model	Ejectors	Air Pressure (mpa)	Air Consumption (L/min)	Voltage (V)	Power (kw)	Belt Width (mm)	Dimention (mm)	Weight (kg)
M1X	80	0.6-0.8	<1,200	220(50Hz)	5.2	460	3.770x1.660x2.400	1,030
M2X	160	0.6-0.8	<2,400	220(50Hz)	6.2	860	3.800x2.040x2.400	1,300

* Optional NIR System is available

* LH is with In GaAs Infrared System



Coffee berry



Frozen Maize



Green Soy Bean



Garlic



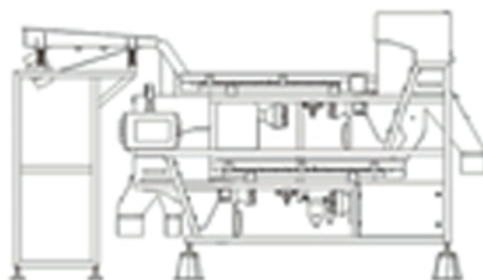
Cowpea



Cranberry

Model	Ejectors	Air Pressure (mpa)	Air Consumption (L/min)	Voltage (V)	Power (kw)	Belt Width (mm)	Dimention (mm)	Weight (kg)
M3X	80	0.6-0.8	<1,200	220(50Hz)	4.2	460	4,500x1,200x2,360	760
M4X	160	0.6-0.8	<2,400	220(50Hz)	5.0	860	4,126x2.030x2.360	985
M5X	240	0.6-0.8	<3,600	220(50Hz)	7.2	1260	4,500x2,500x2.360	1,400

* Optional NIR System is available



Chilli



Almond



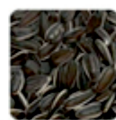
Walnut



Hazelnut



Cashew Nut



Sunflower Seeds

Model	Ejectors	Air Pressure (mpa)	Air Consumption (L/min)	Voltage (V)	Power (kw)	Belt Width (mm)	Dimention (mm)	Weight (kg)
M6X	512	0.6-0.8	<4,100	380(50Hz)	8.1	1,260	4,860x2,440x2,650	2,338

* Optional NIR System is available



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