

SORTING YOUR IDEAS

LAUFFER
VISION

MULTIPURPOSE

SUPREME OPTICAL SORTING SOLUTION

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SORTING YOUR IDEAS

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ABOUT LAUFFER VISION

Lauffer Vision Technology Co.,Ltd. is a wholly owned subsidiary of HFM group (a Chinese Public Company, Stock Code:603011).

In 2017, the Intelligent Industry Manufacturing Fund led by HFM acquired 100% of the shares of Lauffer, a German company with a history of nearly 150 years, and was approved by the relevant departments of the German government.

Based on the respective advantages of China and Germany in the visual industry and sorting field, Lauffer Vision was formally established in August 2018 after nearly half a year of preparation.

At present, Lauffer Vision has gathered the most competitive R&D, Production, Sales and Technical service elite teams in Europe and China, and is committed to meeting the deeper market sorting requirements and user experience.

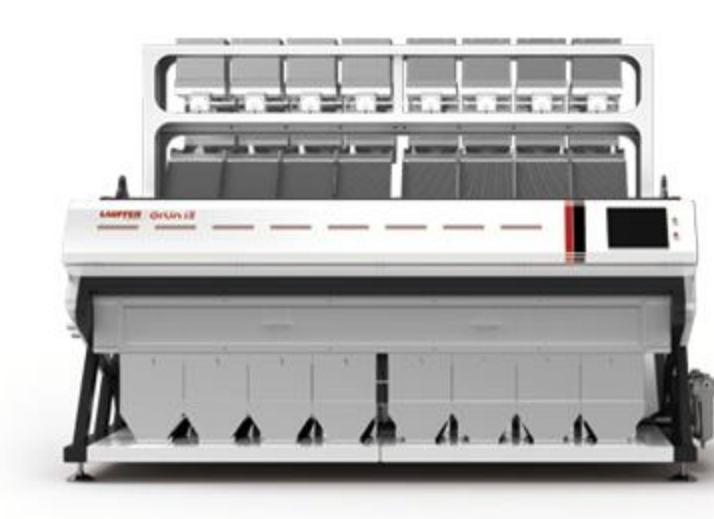


PRODUCT

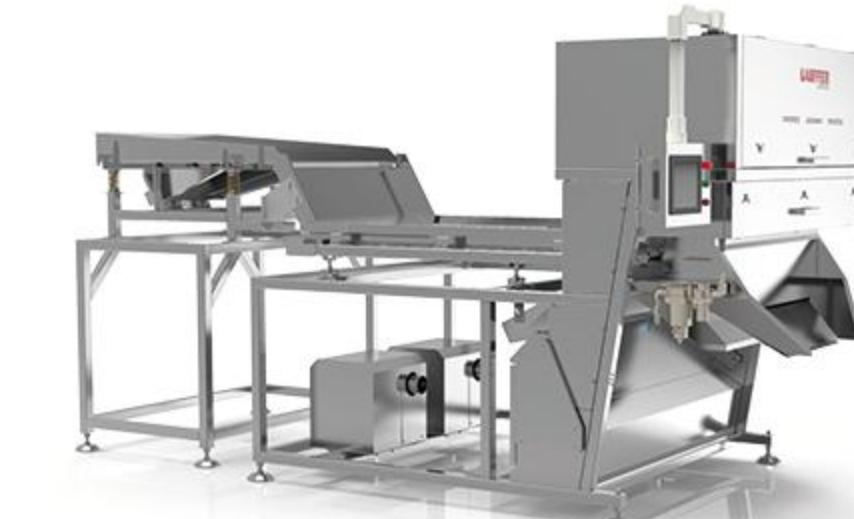
VERTICAL SORTER



INFRARED SORTER



HORIZONTAL SORTER

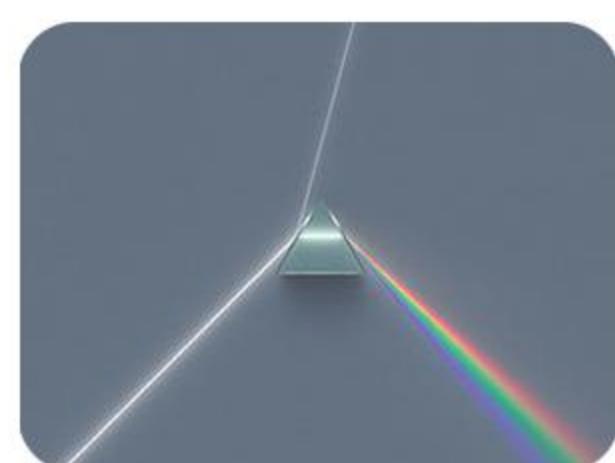


X-RAY INSPECTION SYSTEM



TECHNOLOGY

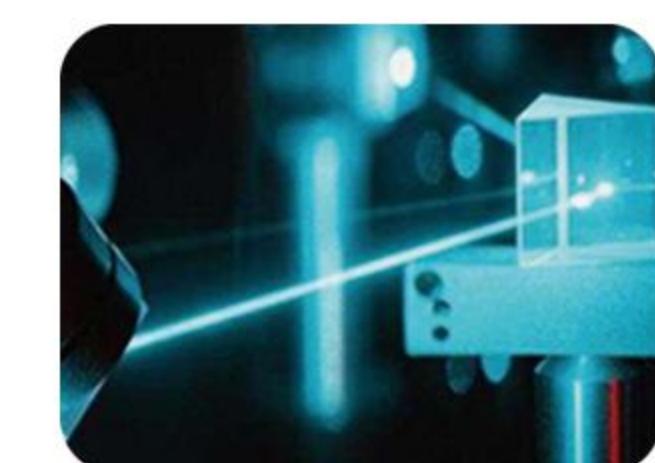
VISIBLE LIGHT TECHNOLOGY



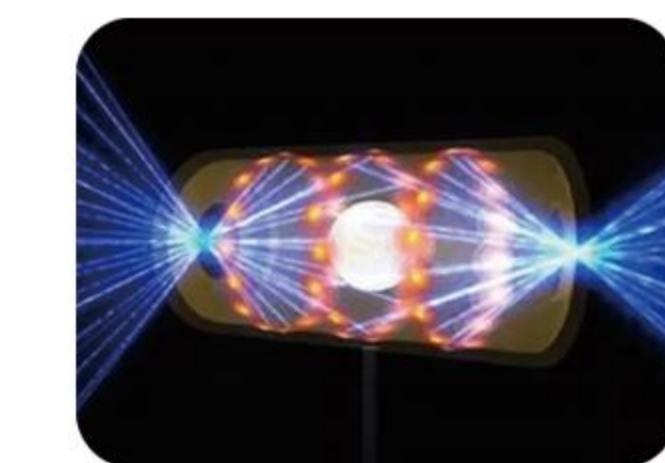
INFRARED TECHNOLOGY



LASER TECHNOLOGY



X RAY TECHNOLOGY



1872

In 1872, Johann Martin Lauffer lays the groundwork for today's Maschinenfabrik with the establishment of a locksmith and mechanical workshop in Mühlen am Neckar. The young company at the edge of the Black Forest specializes in the maintenance and distribution of agricultural machinery.



1914

In 1914, Mr. Ernst Lauffer (senior) as well as Gottfried and Wilhelm Lauffer, the next generation of the Lauffer family take over the management of the enterprise in Mühlen am Neckar.



1949

In the postwar period from 1949 to 1983, the factory developed rapidly. Under the leadership of Ernst Lauffer (Jr.) and Richard Lauffer (senior) the product range is extended. Because the space in the original factory in Mühlen could no longer support the growth of the company, the year 1976 marked a further milestone when the company moved to its new production and administration facility in Horb am Neckar.



1984

In the year 1984 Hans-Martin and Richard Lauffer take over the family business in the 4th generation.

In 2018 Christof Lauffer and Markus Oechsle form the management team. With the wide range of products, LAUFFER provides solutions for customers from all over the world and is one of the world market leaders in their respective sectors.



Since 2018

In 2018, the strategic partnership and cooperation with the Chinese HFM Group is announced and implemented. Christof Lauffer and Markus Oechsle continue to form the management team of the company. Prof. Dr. Yan Jianwen, Chairman of the HFM Group, is appointed Chairman of the new Supervisory Board. Meanwhile, the Asia-Pacific manufacturing centre has been established in Hefei, China with annual manufacturing capacity up to 4000 sets of optical sorting machines.



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.



GOETTIN 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.



GOETTIN Series Vertical Sorter

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



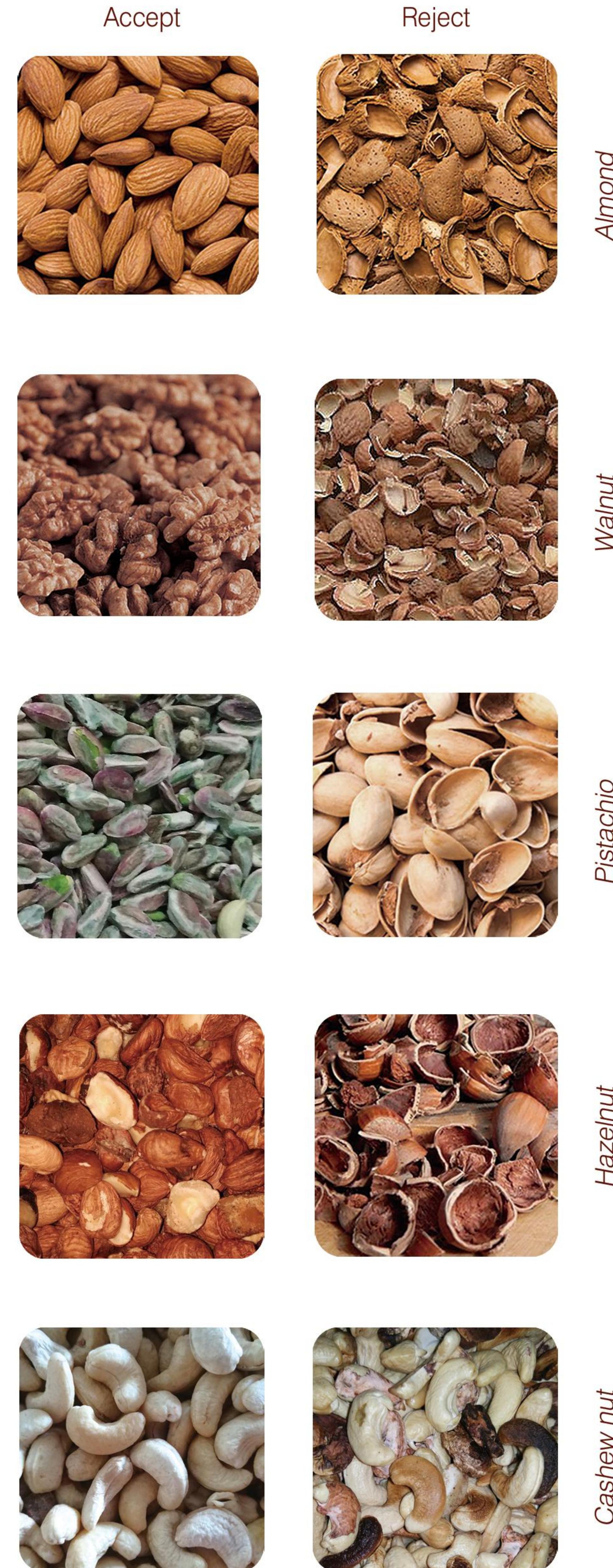
Technical Advantages

15" HD touch screen
5th generation Intel FPGA core

AI self-learning system
remote control

anti-broken system
3D dust suction system

Nuts



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.



LEGENDE Series Horizontal Sorter

LEGENDA 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 in sorting kinds of nuts, dehydrated vegetables, salt and other special products. InGaAs infrared sensors can be optioned according to the sorting requirements of shell and kernel separation.



MONARCH Series Infrared Sorter

MONARCH series infrared sorter is mainly used for kernel and shell separation of nuts production. With InGaAs infrared imaging technology, it can effectively identify and distinguish all kinds of kernels and shells of the same color, 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 color sorting.



GÖTTIN Series Vertical Sorter

GÖTTIN Series vertical sorter supplies customers an economical solution of color separation for nuts when the colors have obvious distinctions between kernel and shell. With the most advanced colorful CCD sensor and unique AI self-learning system, operators can remove the discolor shells from kernels easily. Glass, stone, metal, rubber, plastic can also be removed from nuts by the optional infrared system.



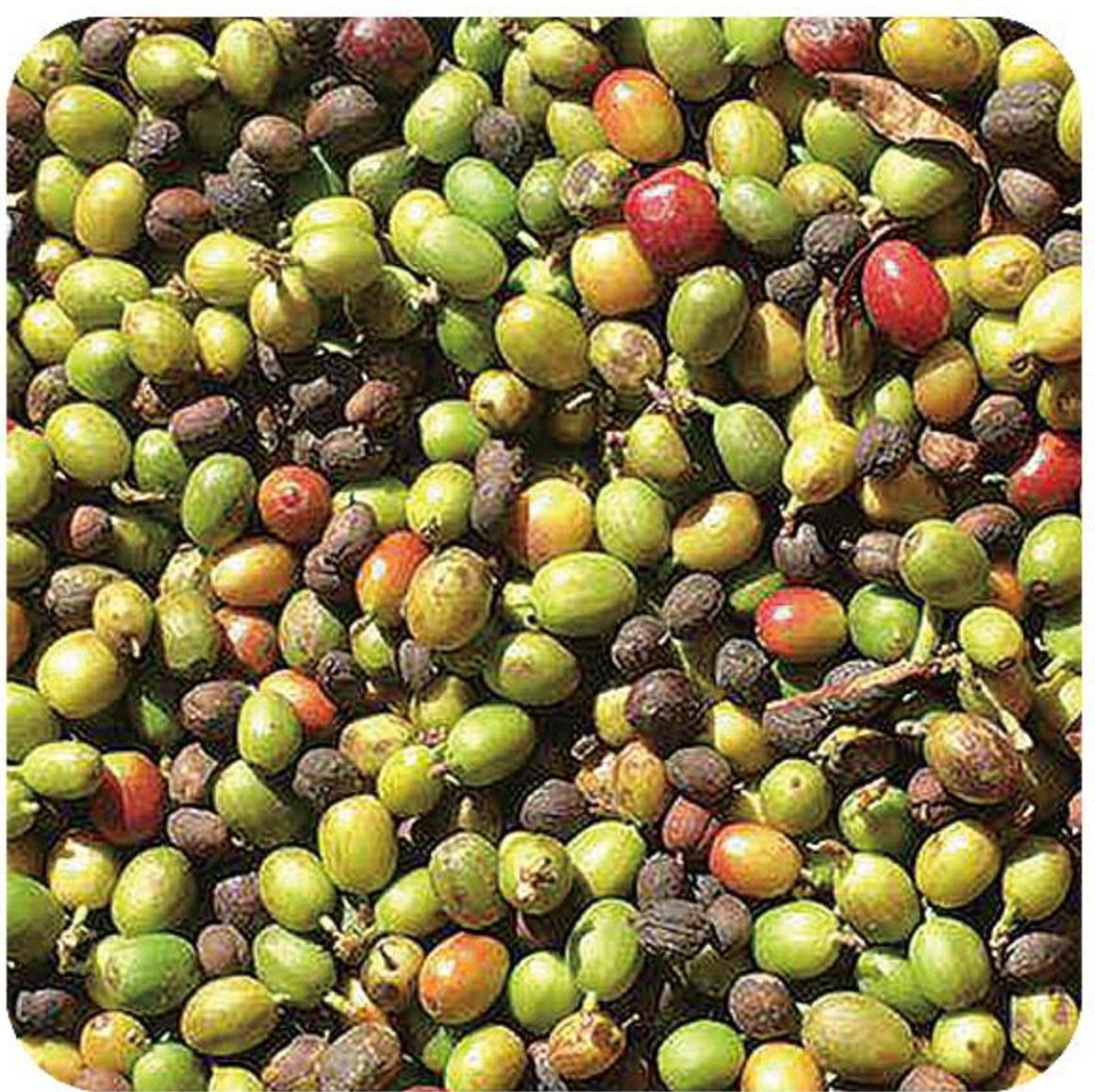
Coffee

Coffee berry

Accept



Reject



Lauffer improved the design of LEGENDE series belt sorter due to the special characteristics of fresh coffee cherry, the structure of air blowing system, lighting system and cleaning system are completely updated for a better result, higher standard of water proof level makes this machine body can be washed by water directly.

LEGENDE Series Horizontal Sorter



Coffee bean

Accept



Reject



Lauffer has designed a special AI self learning system, with this advanced system, dark grain, light grain, brocade grain, dull grain, wrinkled grain, stained grain, broken grain, immature grain, shells, parchment grain and dry cherry grain can be removed easily.



GÖTTIN Series Vertical Sorter



Grain&Seeds

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

GÖTTIN Series Vertical Sorter



LEGENDE Series Horizontal Sorter



TYPICAL APPLICATIONS



LAUFFER 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 choose the best solution for individual products.

Chilli

Legende series chilli color sorter is a equipment specially designed to meet the requirements for chilli pepper sorting. It can effectively remove the rod, yellow skin, black skin, bad chilli, leaf and stem in chilli pepper raw materials and separate different sizes.



LEGENDE Series Horizontal Sorter

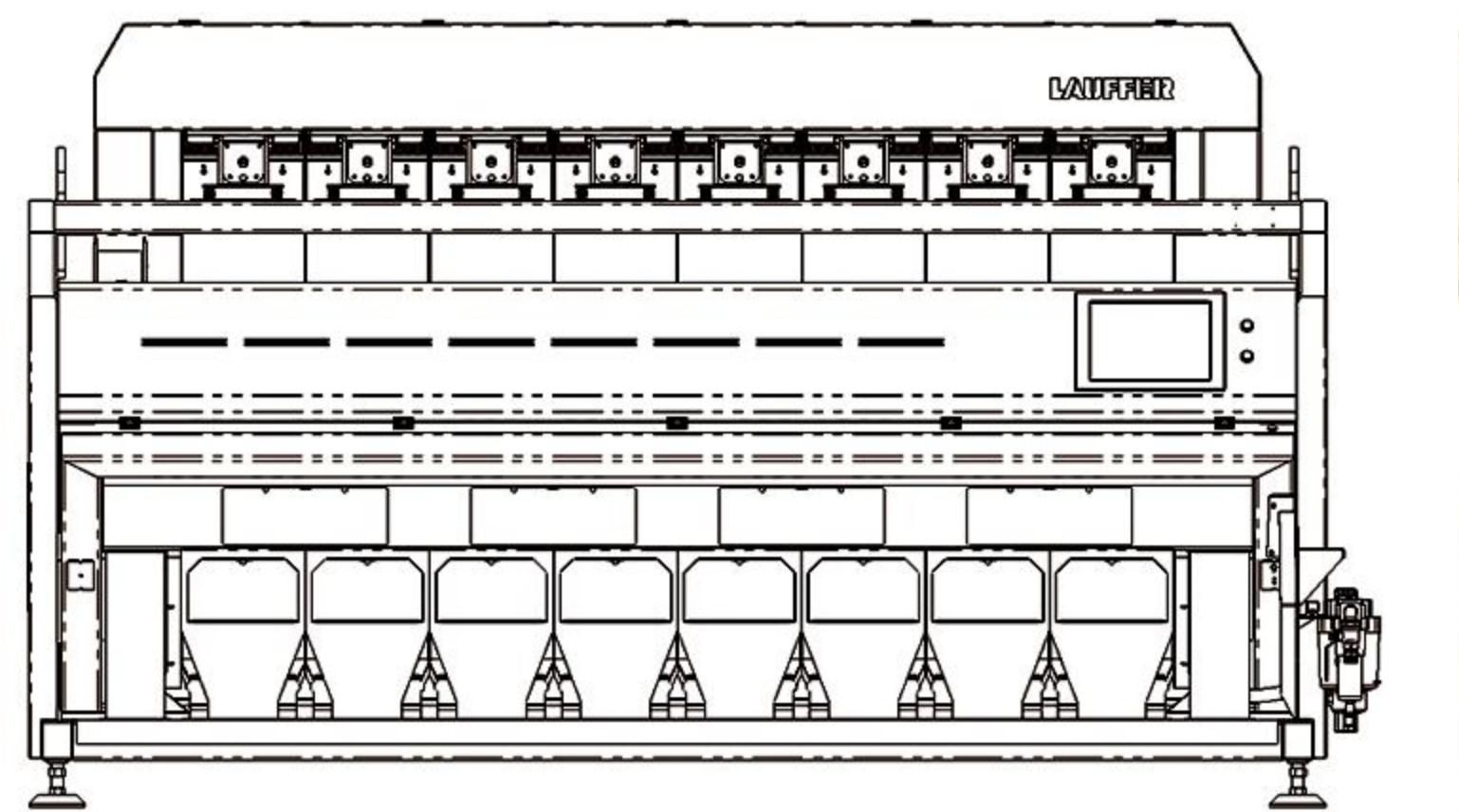


LEGENDE SERIES chilli pepper color sorter can provide independent "shape sorting", or "color sorting" or "shape sorting + color sorting" schemes to meet various producing requirements.



Specification & Application

GÖTTIN Series

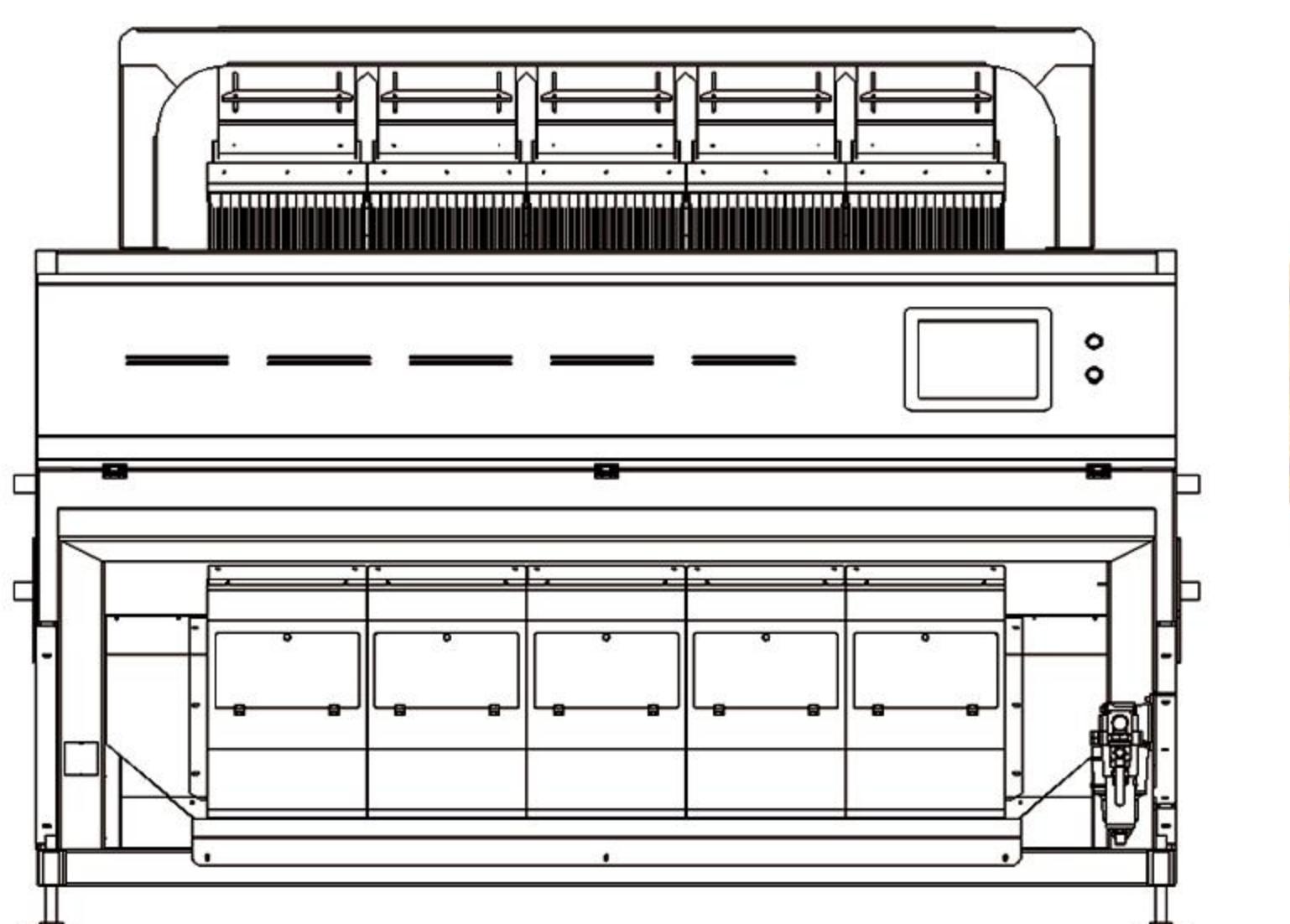


Model	Ejectors	Air Pressure(mpa)	Air consumption(L/min)	Power(kw)	Voltage	Dimension(L*W*H)(mm)	Weight(kg)
Z4	256	0.6-0.8	<2,000	2.9	220V(50Hz)	1,870×1,610×1,987	1,165
Z6	384	0.6-0.8	<3,000	4.4	220V(50Hz)	2,500×1,610×1,987	1,440
Z7	448	0.6-0.8	<3,500	5.2	220V(50Hz)	2,815×1,610×1,987	1,580
Z8	512	0.6-0.8	<4,000	5.9	220V(50Hz)	3,130×1,610×1,987	1,715
Z10	640	0.6-0.8	<5,000	7.3	220V(50Hz)	3,770×1,610×1,987	2,050

* Optional NIR System is available

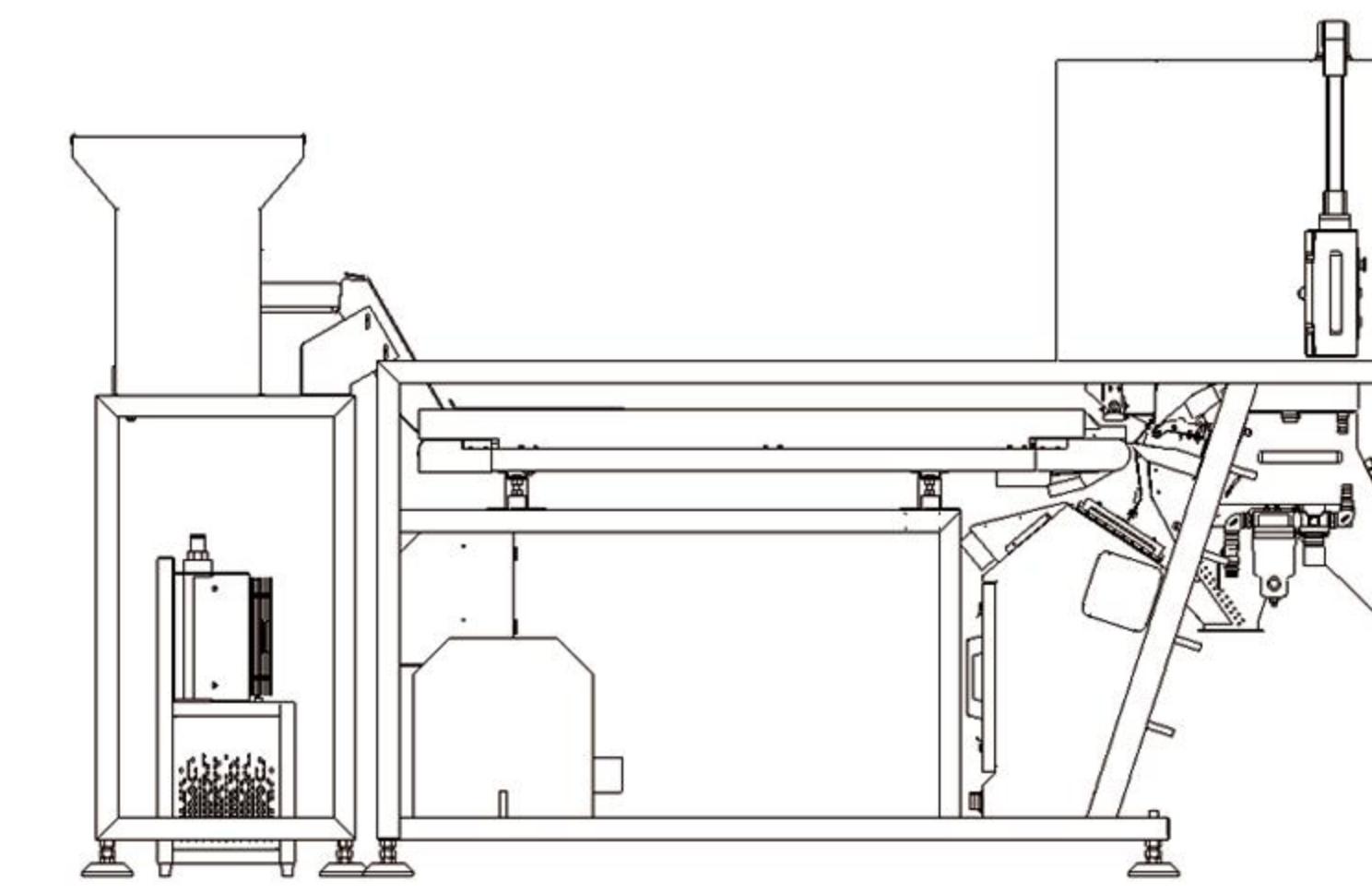
MONARCH Series

with InGaAs Infrared System



Model	Ejectors	Air Pressure(mpa)	Air consumption(L/min)	Power(kw)	Voltage	Dimension(L*W*H)(mm)	Weight(kg)
I1	64	0.6-0.8	<800	2.9	380(50Hz)	1,058×1,845×1,857	600
I3	192	0.6-0.8	<2,500	4.5	380(50Hz)	1,734×1,845×1,857	1,028
I5	320	0.6-0.8	<4,500	6.1	380(50Hz)	2,410×1,845×1,857	1,460
I6	384	0.6-0.8	<5,500	6.9	380(50Hz)	2,825×1,847×1,874	1,620

LEGENDE Series



Model	Ejectors	Air Pressure(mpa)	Air Consumption(L/min)	Voltage(V)	Power(kw)	Belt Width(mm)	Dimension(mm)	Weight(kg)
L1S/H	80	0.6-0.8	<1,200	220(50Hz)	5.2	460	3,770×1,600×2,400	1,030
L2S/H	160	0.6-0.8	<2,400	220(50Hz)	6.2	860	3,800×2,040×2,400	1,300

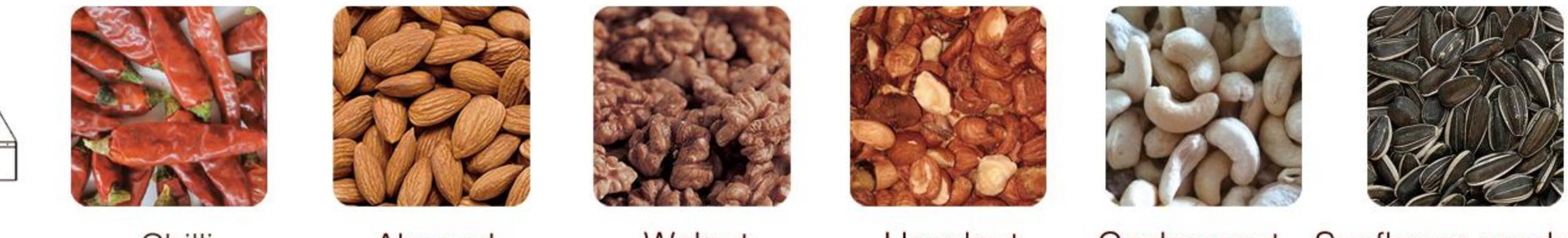
* Optional NIR System is available

* LH is with InGaAs Infrared System



Model	Ejectors	Air Pressure(mpa)	Air Consumption(L/min)	Voltage(V)	Power(kw)	Belt Width(mm)	Dimension(mm)	Weight(kg)
L1X	80	0.6-0.8	<1,200	220(50Hz)	4.2	460	4,500×1,200×2,360	760
L2X	160	0.6-0.8	<2,400	220(50Hz)	5.0	860	4,126×2,030×2,360	985
L3X	240	0.6-0.8	<3,600	220(50Hz)	7.2	1,260	4,500×2,500×2,360	1,400

* Optional NIR System is available



Model	Ejectors	Air Pressure(mpa)	Air consumption(L/min)	Voltage(V)	Power(kw)	Belt Width(mm)	Dimension(mm)	Weight(kg)
L4XD	512	0.6-0.8	<4,100	380(50Hz)	8.1	1,260	4,865×2,440×2,650	2,338

* Optional NIR System is available