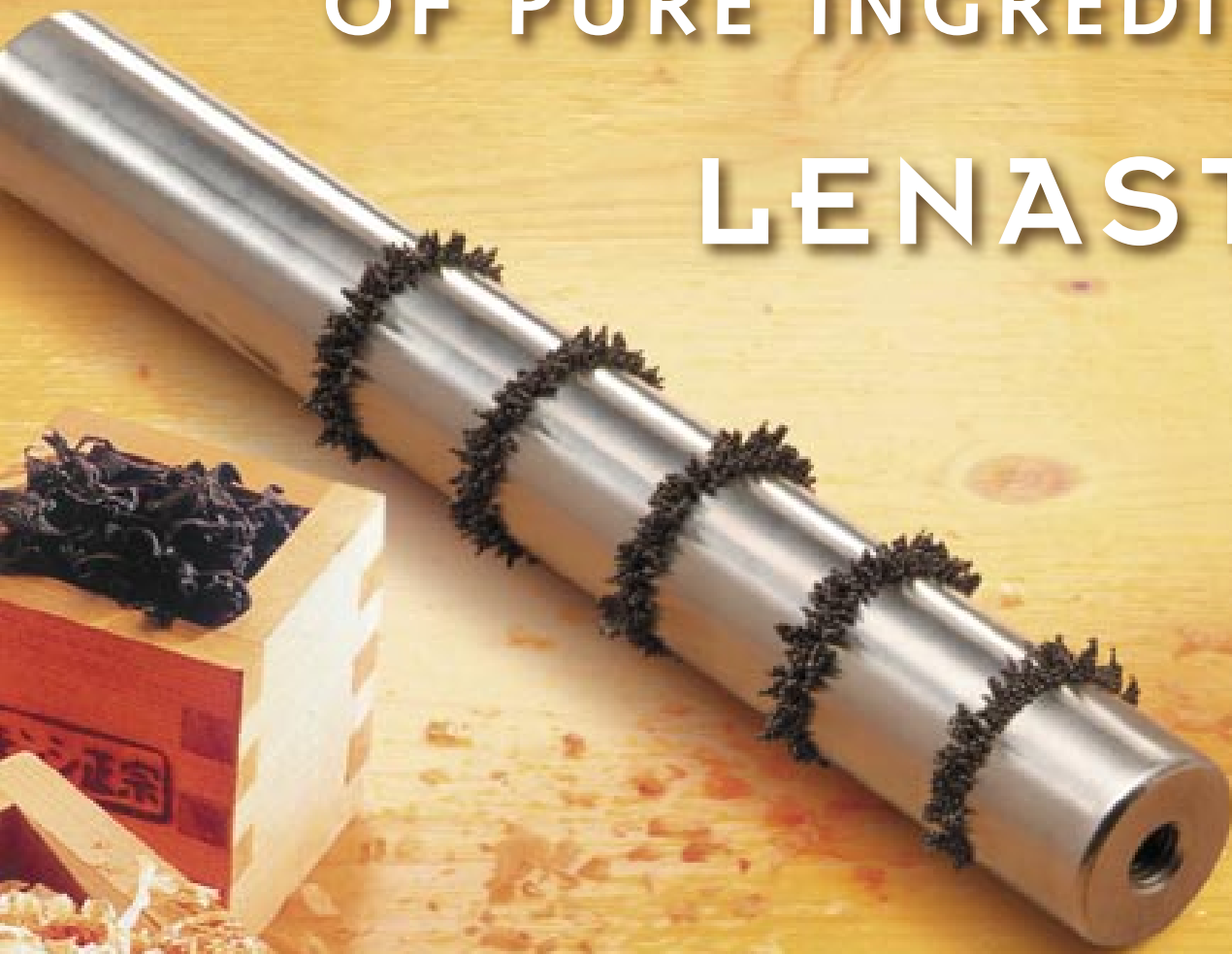


DETECT THE ESSENCE
OF PURE INGREDIENTS

LENASTAR



JAPANESE QUALITY DEMANDS NOW ALSO ATTAINABLE IN EUROPE



The LenaStar is a highly advanced metal separating system, developed and manufactured by Goudsmit Magnetic Systems B. V., in collaboration with its Japanese partner. This advanced system strips all foodstuffs of

metal contamination (including pebbles, mud, insect droppings) in 2 phases and realizes food safety to the smallest particle. The stringent Japanese quality requirements mean that the very highest standards of precision detection are adhered to. Already about 50 leading Japanese foodstuff companies (including Fuji Foods, Nissin Foods, Twinings, Lipton tea, Unilever and Kellogg's) have opted for the LenaStar. This high-quality Japanese standard is now also attainable in Europe by anyone!

CHARACTERISTICS:

- Changing the transport belt is superfluous, saving time and money
- Simple design and maintenance
- Can be completely cleaned with water and, if so desired, steam (waterproof)
- Product materials do not stick to surface
- Compact design, easy to incorporate into existing process

Model	Effective breadth (jacket)	L	W	H
NB * LNS503-300	300	826	1064	1225
NB * LNS503-400	400	826	1164	1225
NB * LNS503-500	500	826	1264	1225
NB * LNS503-600	600	826	1364	1225

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APPLICATION:

Aside from magnetic particles, the LenaStar also removes paramagnetic particles from foodstuff ingredients and additives, chemicals and pigments. But it will also strip granular products such as vegetables, fruits, soups, seeds, pasta, spices, nuts or tea of items including pebbles, mud or insect droppings. The paramagnetic particles of many soil types cause the magnetization of these droppings, which are particularly present in spices and tea. Only this extremely powerful magnet demonstrates that foodstuffs are contaminated with such unwanted particles, which the end-user unwittingly consumes.



OPERATION:

The LenaStar contains a very strong high gradient magnetic separator (12.000 Gauss) that removes magnetic and paramagnetic particles from 0.25 Mhu upwards from the raw materials and end products during the production process.

Consequently, a metal detector can concentrate completely on non-ferrous particles (starting at 0.6 mm), seeing that the sensitivity is no longer hindered by the presence of ferrous particles. These non-ferrous particles pass through the high-frequency detection field, after which a signal



follows, which controls the valve box. This valve box opens up for a period of milliseconds, and the contaminants are cast out via a pneumatic high-speed cylinder with a minimum of product loss. The detector does not react to external disruptions (such as moving metal parts, vibrations, the frequency of the regulators, etc.) and automatically checks itself. The system can be cleaned with water. This 2-phase system (magnet/metal detector) can also be equipped with an X-ray, which detects and ejects so-called foreign bodies in a third phase.

GOUDSMIT
magnetic systems

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