



MSE-MXL

Sweet or not?

Greefa's new MSE-MXL sorting machine supplies the answer:

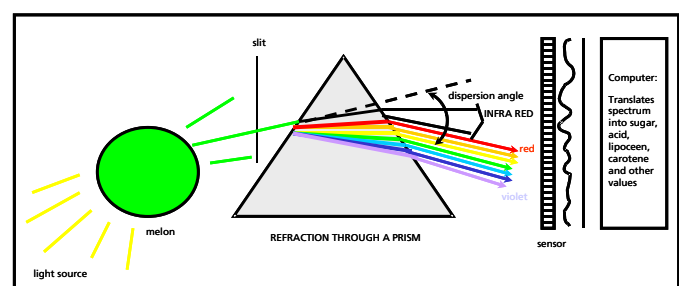
- This reliable tool enables you to sell produce such as melons with guaranteed Brix (sugar) level.
- Enables you to eliminate bad fruits e.g. those affected by internal breakdown.
- It goes without saying that the Greefa MSE-MXL sorting system treats your produce in a gentle, non-destructive way.
- There are absolutely no harmful side effects and your produce is 100% safe for consumption.
- The MSE-MXL system allows you to combine a variety of options: *i*FA, Brix value, weight, size and colour.
- Though specially designed for melons, the machine can also handle other produce like iceberg lettuce.

We have developed the MSE-MXL in close collaboration with several experienced melon growers. Our technological skills together with

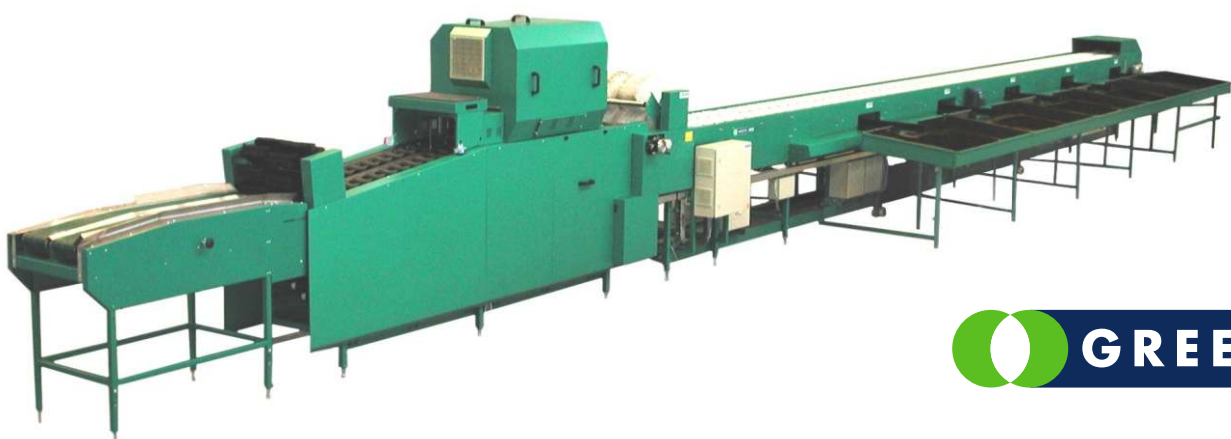
their hands-on experience have produced a product we can be proud of.

*i*FA TECHNOLOGY

The *i*FA (intelligent Flavour Analyser) system is based on the so called NIR (Near Infra Red) technology and was developed in-house. We use the transmission principle (see diagram below) which is extremely accurate. A harmless concentrated light passes through each fruit or vegetable and on the other side, the remaining light is fed through a prism. A special sensor measures the spectrum, enabling us to determine the Brix value and internal quality characteristics like internal breakdown.



TRANSMISSION SPECTROMETRY DIAGRAM





MSE-MXL

GENERAL SPECIFICATIONS

Sorting machine

- Greefa model MSE-MXL, available in 1, 2, 4 or 6 lanes.

Modules

- Sorting systems for: size, weight, colour, *i*QS (external quality) and *i*FA (internal quality).

Suitable for

- Produce like melons, iceberg lettuce etc.
- Diameter range 65 to 150 / 165 mm.
- Maximum length: 200 mm.
- Maximum weight: 3000 grammes.

Accuracy

- *i*FA: standard deviation approx. 0.6 - 0.8 Brix depending on the uniformity and variety of produce.
- Weight: standard deviation is 1% for fruit between 100 and 3000 grammes.

Capacity

- With *i*FA approx. 5.4 tons/ hour per lane, running at the speed of 2.5 cups per second per lane, based on a filling rate of 60% and an average fruit weight of 1000 grammes.
- Without *i*FA approx. 7.5 tons/ hour per lane running at the maximum speed of 3.5 cups per second per lane based, on a filling rate of 60% and an average fruit weight of 1000 grammes.

