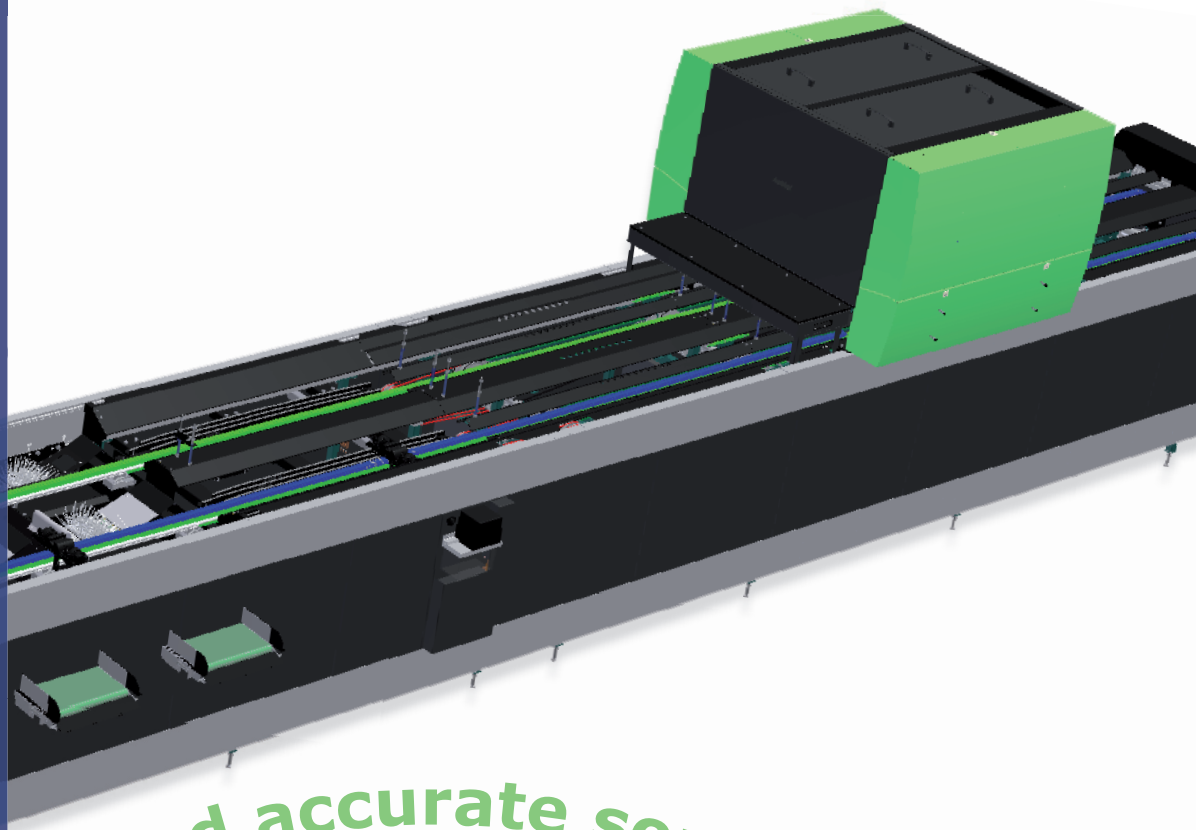
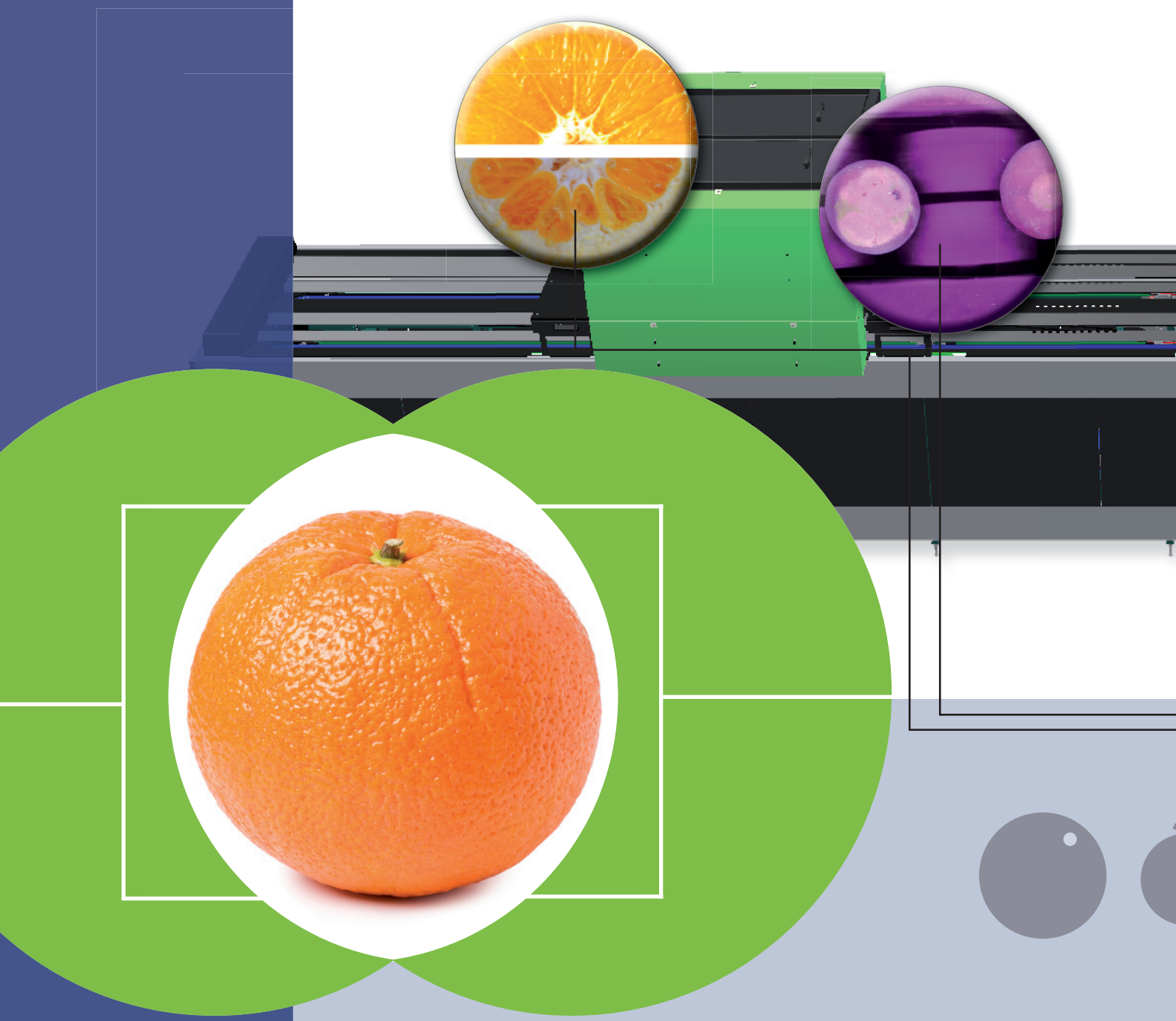


# Fast, easy and accurate sorting

## for round fruits and vegetables

# EasySort

GREEFA





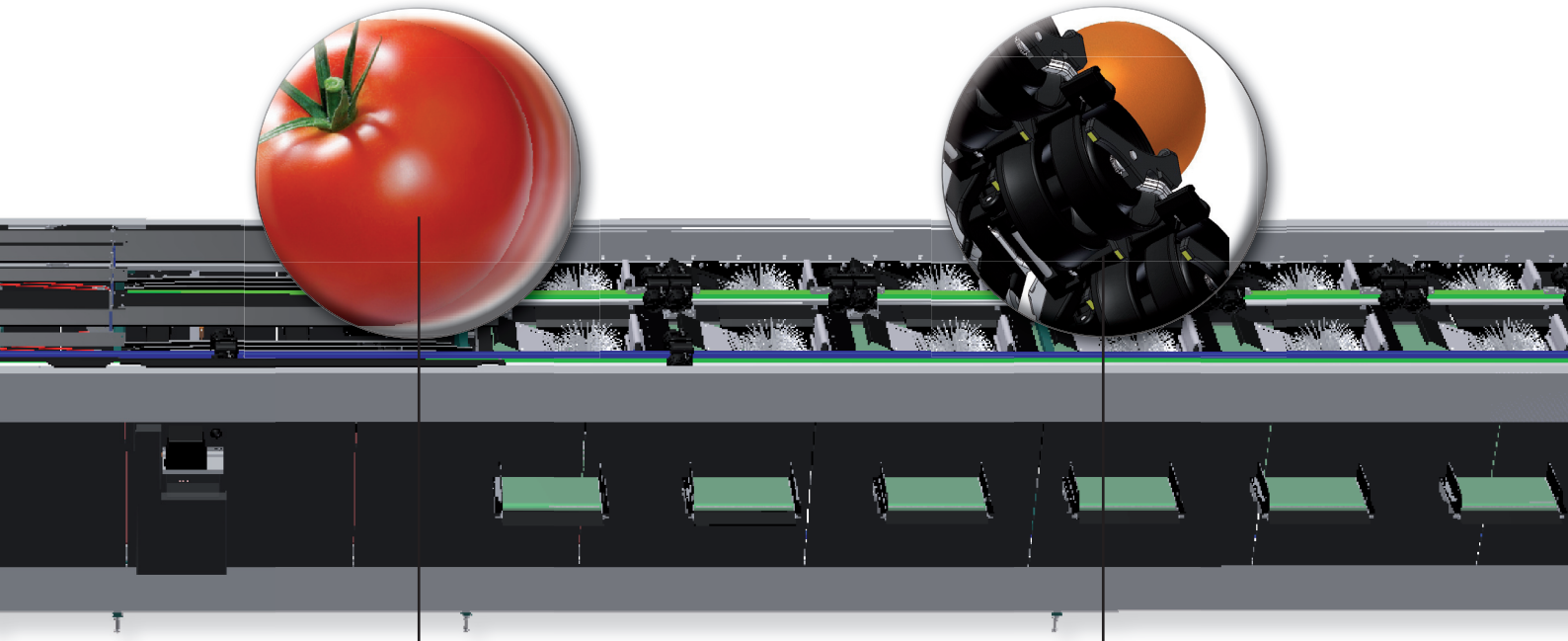
## Fast, easy and accurate sorting with EasySort

Greefa introduces a new, easy and fast way to sort round fruits: a clever grader without transfer points. Fruits are singulated, weighed and transported in the same carrier.
As can be expected from any Greefa product, the EasySort is fruit-friendly and reliable. Existing techniques and new technology have been combined in this machine.

The well thought out modern design and use of high quality materials results in low maintenance needs. The user-friendly iGS program (intelligent grading software under Windows) allows you to manage the flow of fruit in your warehouse in an efficient way, quickly and accurately adapting the parameters to suit changeable market demands.

The EasySort can be equipped with a size module, a colour and weight module and a module for automatic external quality. In addition, we now introduce a new module: iPIX. This module consists of special lamps and cameras, which can detect defects on citrus fruits that are not visible to the naked eye.

EasySort



## Carrier

The fruits are singulated, rotated, weighed and sorted on the carrier. The 3-point weighing system guarantees precision, even at high speeds.
The fruits can be discharged onto a brush or directly onto a belt or table, depending on their vulnerability.
Fruit-friendly treatment has remained the focal point during the development of the carrier.

## Speed

Up to 15 fruits per second per lane can be sorted, thanks to the simplicity of the machine and the robustness of the components that have been used.

## iPIX, iQS and LED lighting

Defects which are invisible to the naked eye can be detected with our new module iPIX. De iPIX-cameras can spot progressive defects on the skin of citrus fruits, which are then automatically removed.

iQS provides you with optimum control of the external quality of the fruit; defects of one square millimetre are detectable. A uniform product is sorted with consistent quality according to your requirements.

The new optical lighting system based on LED diodes saves significantly on energy and has extraordinarily low maintenance requirements. The new optical system design has increased the precision and reliability of all parameters.

## Relative weight module

The relative weight parameter (volume / weight index) can be used to classify fruit on the basis of its density, allowing the removal of dry, spongy citrus fruits, for instance clementines or oranges affected by frost or other similar causes.

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# Greefa...great in grading

Greefa has had years of experience as an innovative manufacturer of grading installations, ranging from simple sorting solutions to complex turnkey projects. We have used our knowledge to develop our newest product and now proudly present the EasySort.
For detailed information about our complete range of sorting and packing equipment, please visit our website: www.greefa.com.

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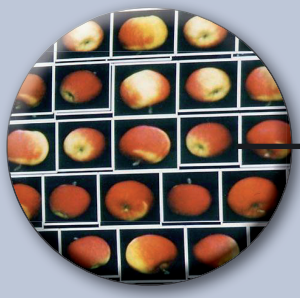
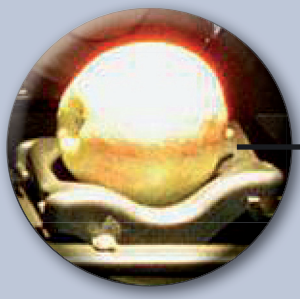
GeoSortIII is a high-end sorting machine which sorts no less than 8 fruits per second. It also handles your fruit with great care. The GeoSortIII is therefore particularly suitable for easily bruised fruit, e.g. delicate apples such as Golden Delicious or peaches.

SmartSort-citrus represents a new achievement in engineering and design. Retaining the precision of all its parameters, this machine can grade 12 fruits per second with the greatest ease, and with very low maintenance needs.
SmartSort-citrus has been developed to suit the special needs of the citrus sector and to satisfy the demands the most exacting client.



Our module for external quality (iQS - intelligent Quality Sorter) sorts the fruits automatically by taking about 70 pictures of each fruit. This is done using special infrared and colour cameras.
The advanced software analyses the pictures and classifies them according to the programming of the operator.



iFA assesses the internal quality of the fruit. A halogen light source is used for a measurement by means of iFA.
The fruit is 'X-rayed' by the beam of light. On the basis of a spectrum analysis, a forecast is made with respect to brix value, internal brownness and core rot.
This analysis gives an assessment of the entire piece of fruit instead of just a small part of it.

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