



YOUR TAILOR-MADE **GRADING SOLUTIONS**



**Choose our systems
for your citrus**



Citrus are difficult products due to leaves and they require special attention and gentle handling. Elisam has been devoted in creating a grading machine particularly delicate, reliable and powerful. In this mission emerged the “**GRAN TORINO**”.

Elisam can provide a full system from feeding to final packing for your citrus, even with leaves:

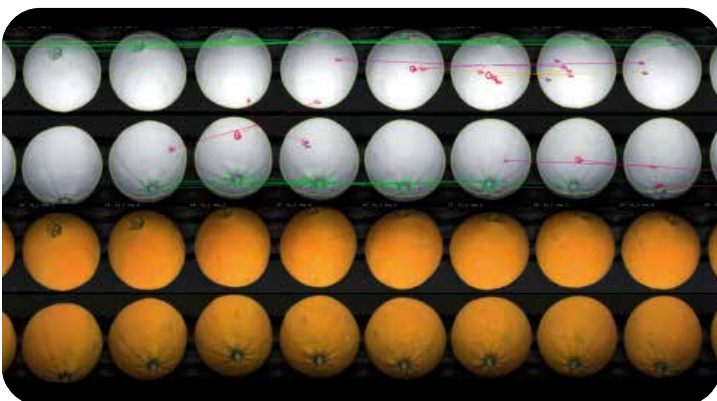
- Bin dumping
- Feeding
- Washing
- Drying
- Grading
- Packing



Elisam can grade your citrus by weight, size, colour and external quality in one unique machine.

Technical Features:

- Number of lanes: from 1 to 8
- Kind of trolley: cup and roller
- Electronics: Ellips TRUE SORT



GRADING METHODS FOR CITRUS

EXTERNAL QUALITY:

- Proven outcome without training of the software
- Number of pictures: up to 40 images per citrus
- Adjustable external defect size and sensitivity
- Detection of navel on navel citrus
- Grading on number of defects or defect percentage surface
- Unique detection of stalk and calyx

COLOUR:

- User friendly interface to set-up the desired colours
- High resolution colour {RGB 24}
- Possibility to obtain 3D view of the product
- Possibility to set-up many different colour schemas
- Colour module allows to specify on which colour you want to grade citrus
- Citrus characteristics are calculated with as much information as possible

SIZE:

- Accuracy +/- 0,5mm
- Possibility to detect size also on cup (depending on product characteristics)
- Detection of length, diameter, curvature, shape
- High quality algorithm for stalk and shape detection
- Software detects the centre of gravity
- Very accurate measurements thanks to specialized algorithms

WEIGHT:

- Advanced noise reduction system
- Over 15 measurements per second
- High accuracy and impressive results
- Weight can be measured per every single citrus on cup system
- Accurate weights with high speed
- If necessary, the system automatically corrects for the weight drift of each cup



Not only citrus...



No time to waste!

Contact us for further information
or visit our website
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