

SPECIFICATIONS

SORTER

| | |
|---------------|----------------------------------|
| Maximum speed | 800 carriers per minute per lane |
| Maximum lanes | no limit |
| Maximum drops | no limit |

SORTER OPTIONS

Advanced weight sizing and sorting optimizers
InVision 3000 - Diameter/Shape/Density
InVision 5000 - Color/Diameter/Shape/Density
InVision 7000 - Blemish top view/Color/Diameter/Shape/Density
InVision 9000 - Blemish 100% view/Color/Diameter/ Shape/Density
Auto Pack line speed control - to maximize production flow control
Automated outlet allocation - dynamic fruit distribution
Outlet display modules - LCD or LED displays for improved communication
Semi-auto carrier cleaning and lubrication systems
Remote technical support system
Packing systems to suit requirements

WEIGHING SYSTEM

Automatic calibration
2 load cells per lane, simultaneous contact
Continuous individual cup tare
250 readings per fruit
24+ size grades
Resolution 0.1 gms/0.004 oz.

ACCURACY

Repeatability (at 600 carriers per minute)

STANDARD DEVIATION

0.5 gms/0.02 oz

OPTIMIZATION

| | | |
|-----------------------|-------------|---------------|
| Exact fill (bagging) | (1kg/2lb) | 5 gms/0.2 oz |
| Exact fill (carton) | (18kg/40lb) | 25 gms/0.9 oz |
| Average fill (carton) | (18kg/40lb) | 75 gms/2.6 oz |

CARRIERS

MODEL

PITCH

| | |
|---|--|
| A | 95 mm (3 ³ / ₄ ") |
| C | 95 mm (3 ³ / ₄ "), 127 mm (5") |
| D | 100 mm (4") |
| E | 127 mm (5") |
| G | 95 mm (3 ³ / ₄ "), 127 mm (5") |

The above specifications are subject to change
without notice due to continuous developments.

Manufactured by:

COMPAC SORTING EQUIPMENT LTD, PO Box 13 516, Auckland, NEW ZEALAND.
Phone: +64-9-634 0088 Fax: +64-9-634 4491 E-mail: sales@compacsort.com
Website: www.compacsort.com

BDA 23170_07/05



Compac™

ACCURACY INNOVATION TECHNOLOGY

Dual Side Tipping Weight Sorter Color and Blemish Grader

THE COMPAC INVISION OPTICAL SYSTEM ... ULTIMATE DIMENSION SIZING, COLOR AND BLEMISH GRADING

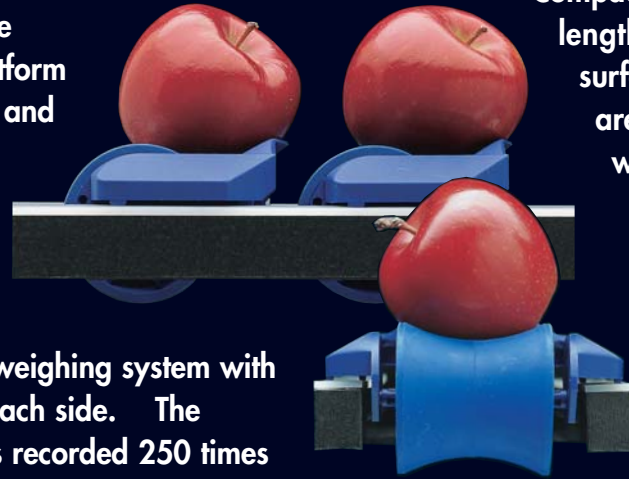
Compac InVision optical systems provide unparalleled dimension sizing, color and blemish grading accuracy. Utilizing the latest technology, high resolution digital cameras capture multiple images of each fruit. However, accurate computer vision grading requires more than sophisticated cameras.



The fruit must be evenly rotated throughout the inspection process, and the Compac carrier, with its large soft rollers, gently rotates the fruit at any speed, forwards or backwards. The carrier is designed specifically for optical sorting and efficient singulation.

THE COMPAC WEIGHT SORTERS ... ABSOLUTE PRECISION

The patented Compac carrier transforms from a roller singulation and rotation conveyor to a precise weighing system, by lifting the fruit clear of the leading roller. The carrier becomes a free floating weighing platform comprising one roller and support system. To compensate for fruit position or shape, each carrier is weighed utilising a four point weighing system with 2 load cells, one on each side. The weight of each fruit is recorded 250 times



and analyzed to 0.1 grams/0.004 oz. all in less than 1/10th of a second. Why weigh AND optically grade fruit? Compac optical sorting systems grade by length, diameter, shape, volume, surface color and defects. But if you are trying to fill a bag to an exact weight, or minimize carton weights, nothing can compare with an accurate weight sizer. With Compac, you can have both. An added bonus is calculation of fruit density based on exact weight and fruit volume data.

DUAL SIDE TIPPING THE GENTLE AND INTELLIGENT UNLOADING SYSTEM

The Compac patented dual side tipping carrier can deliver the fruit either to the left or right. If two fruit are destined for the same outlet, the computer determines the best side to deliver each fruit to eliminate nose



to tail collisions. The tipping action is extremely gentle, one side of the carrier is simply raised to allow the fruit to gently roll out.

QUIET AND DEPENDABLE TO LAST FOR DECADES!



allows for easy addition of current or future packing solutions.

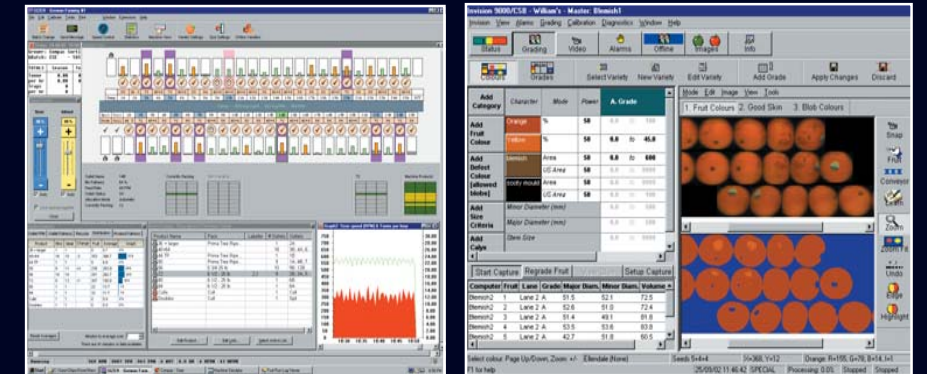
Maintenance is a breeze. Compac sorters are designed for minimum and easy servicing. The solenoid triggers are crash proof and a carrier can be replaced in seconds almost anywhere on the sorter with no tools required

A Compac sorter is more than just clever design. It is quality construction, built to last for decades under the most demanding conditions. It is also extremely quiet with all moving parts running on long life plastic wear strips to keep noise in the packhouse to a minimum. Planning future expansion? Compac's modular construction



OPERATOR FRIENDLY SOFTWARE

Compac's sorting software is very user friendly, providing a powerful and effective tool to accurately meet your fruit sorting requirements. It is flexible, informative and logically designed to operate to the way you pack, with full on-line help and operator tools.



Compac software is the result of years of listening to our customers, to develop solutions for many different market requirements. With continuous research and development, new features and capabilities are constantly added to keep ahead of demands from the international marketplace and to provide innovative solutions for the industry.

All Compac software is designed to make complex tasks as simple as possible.

Operation is via simple 'drag and drop' software with graphical layouts to view the performance of a packing line at a glance. Compac InVision

software has a unique 'click and learn' operation to make setup easy and efficient.

If you're the kind of operator who wants more from a sorter, you won't be disappointed. There's an incredible range of sizing, grading and packaging options to choose from. A relational database that stores more information than you could imagine, a graphing program that can graph virtually every aspect of production and all saved to disk so there's a permanent record. Should you ever need help, our technicians can access the advanced diagnostic tools in your software from anywhere in the world.