

For your new or retrofit grader or packline – Dave – 083 463 4332

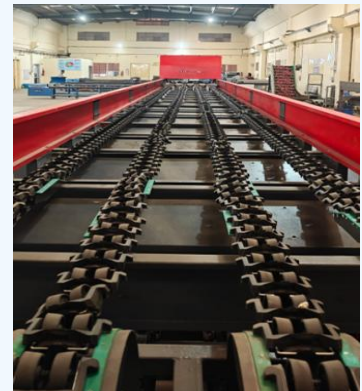


Decades of service to SA Fruit Exporters

Graders now available with latest AI technology for all fruits



Weight, colour, size, external defect
& AI driven roller graders now in stock.



Intelto Place Packer *Fruit is orientated best side up plus all same direction flow*



Fruit is photographed to file, to record or email for every tray



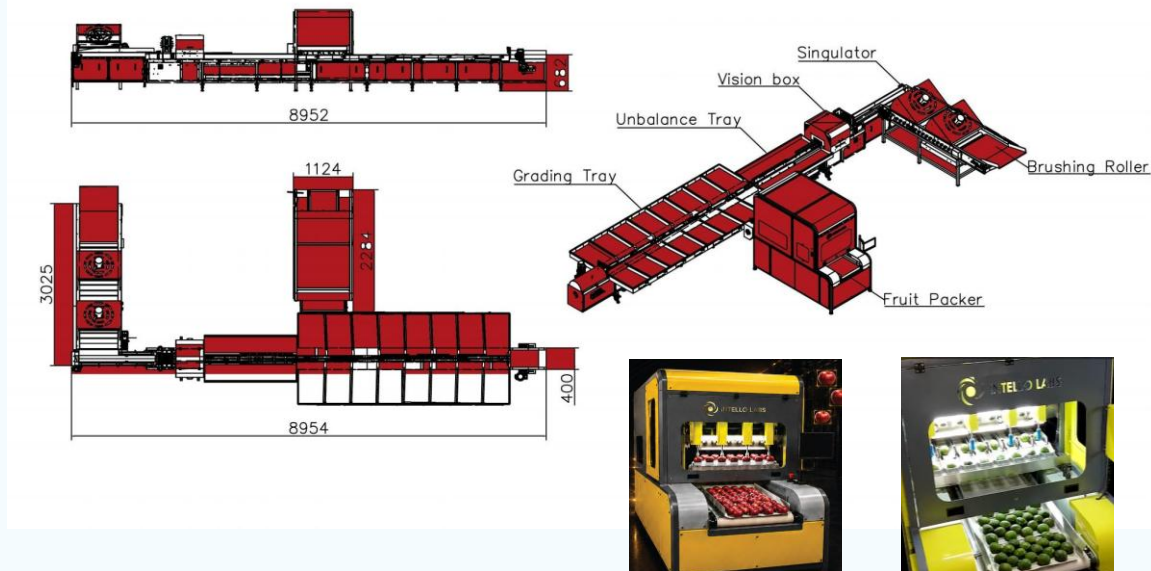
Contact Dave – 083 463 4332

Email – dave.fruitsizers@gmail.com Web – www.fruitsizers.co.za



Digital Quality Assurance & Live Tray Visibility: Strategic Advantages of the Intello Vision SLS & Fruit Packer Solution

Complete Packline in 12mtr x 6mtr



Advantages to Buyers

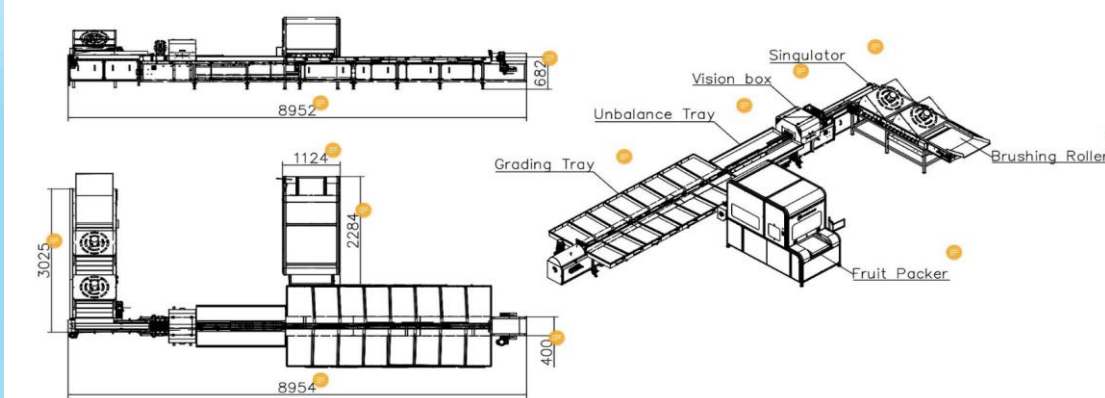
Modern produce packhouses face increasing demand from retail buyers and distributors for consistent grading, real-time quality transparency, and complete lot traceability. Integrating the **Intello Vision Fruit Sort SLS** alongside the **Fruit Packer** system provides a compact, automated sorting, grading, and packing layout. Beyond mechanical efficiency, this unified setup enables digital quality assurance by capturing and transmitting high-resolution, live packed tray photos directly to buyers during production.

By providing verified, real-time visibility into tray presentation, fruit count, color, and defect status—down to the specific box and lot level—packhouses eliminate quality disputes, build buyer trust, and streamline sales operations.

1. Compact Layout & Spatial Efficiency

The integrated layout drawing for the Intello Labs sorting and packing setup demonstrates a streamlined footprint engineered for seamless integration into existing packhouse facilities.

Complete Packline in 12mtr x 6mtr

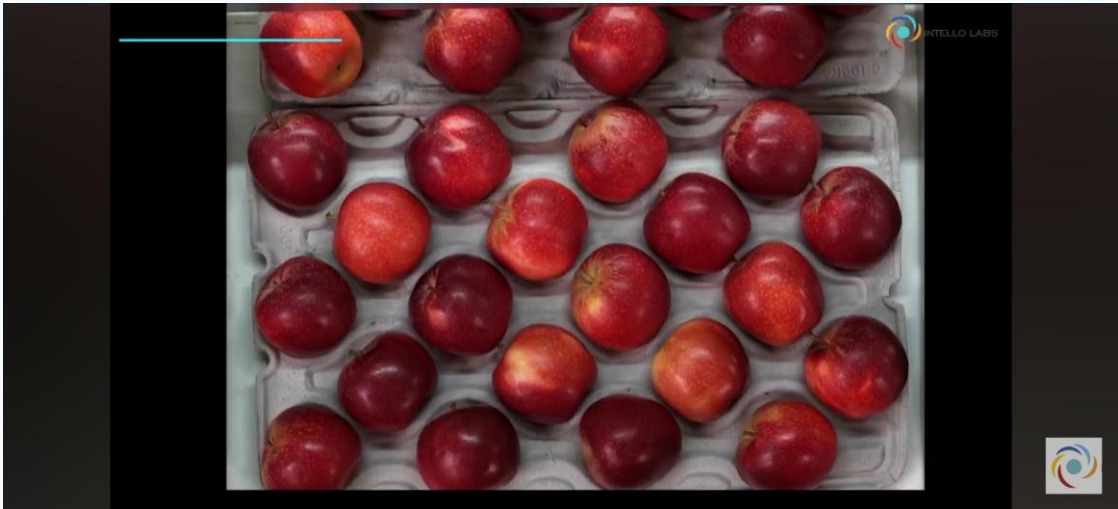


System Layout & Dimensions

- **Main System Length:** 20 meter
- **Overall System Width:** 6 meter
- **Key Components Integrated:**
 - **Brushing Roller:** Initial cleaning and surface preparation stage.
 - **Singulator:** Aligns fruit into continuous single lines for accurate optical presentation.
 - **Vision Box:** Advanced imaging system capturing multi-angle optical data for real-time AI classification.
 - **Grading & Unbalance Trays:** Automated distribution mechanism directing fruit to appropriate channels.
 - **Fruit Packer:** Precision packing unit that places graded fruit into standardized retail trays.

Representative Visual Output

- **Apples (Red Varieties):** Top-down tray views display uniform fruit sizing, precise color distribution, and consistent orientation within tray pockets. Brand markings on tray inserts (e.g., Chopra trays) and pack consistency across shifts are clearly captured.



- **Avocados (Green Varieties):** Detailed images display surface texture, uniform skin condition, shape, and pocket-fill density across the entire tray matrix.



Image Features & Metadata Integration

Feature	Description	Operational Value
High-Resolution Optics	Overhead lighting and camera arrays capture true color and surface texture.	Eliminates ambiguity regarding minor surface blemishes or color coverage.
Standardized Framing	Consistent photo angle and scale across all tray inspections.	Establishes an objective visual benchmark for every shift.
Embedded Data Overlay	Automated tag embedding lot ID, box number, shift time, and grade tier.	Guarantees non-repudiable documentation for quality audits.

4. Strategic Advantages of a Digital QA Mechanism Across Stakeholders

Transitioning from manual sampling to an automated, photo-grounded digital Quality Assurance (QA) model creates substantial strategic value across the entire supply chain.

For Packhouse Management & Operations

- **Elimination of Rejection Claims:** Providing buyer-approved visual proof prior to transit drastically reduces financial write-offs and renegotiations caused by claims made at destination points.
- **Operational Shift Consistency:** Supervisors can monitor packing quality remotely in real-time, ensuring that "Same Pack Quality, Every Shift" is enforced regardless of labor turnover.
- **Reduced Inspection Overhead:** Replaces labor-intensive manual audit paperwork with automated digital logs.

High Speed Roller Sizers - Apples & Round Fruit

Weight, Colour, Size, External Quality & AI

fruitsizers@gmail.com

Complete Packline in 12mtr x 6mtr



Sorting based on



Weight



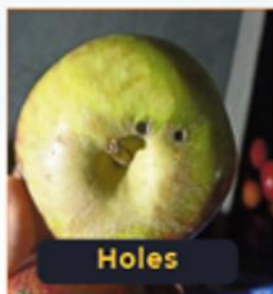
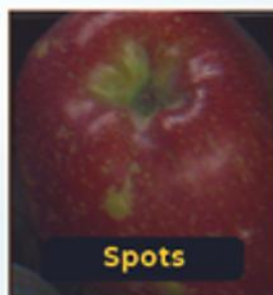
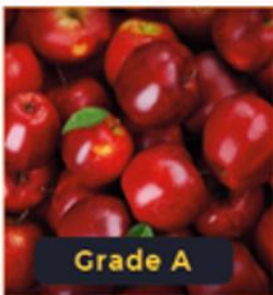
Size



Colour



Defects

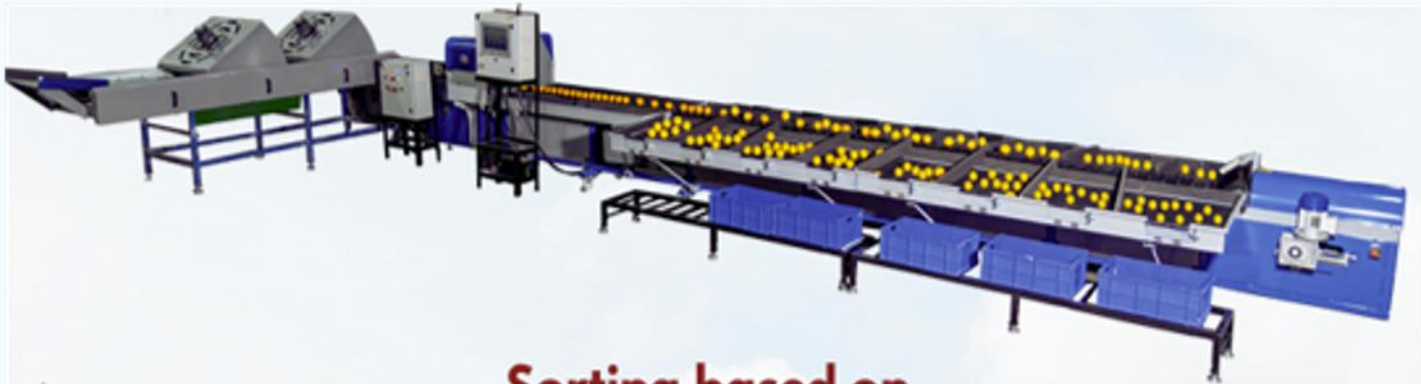


Complete Packlines for all fruits – www.fruitsizers.co.za

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Compact Citrus Line 2.5 TPH
including Weight, Colour, Size, External Quality & AI
Complete Packline in 12mtr x 6mtr



Sorting based on



Weight



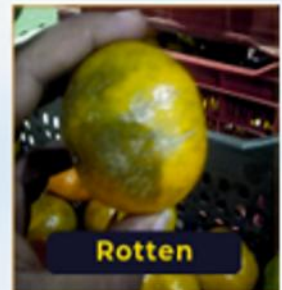
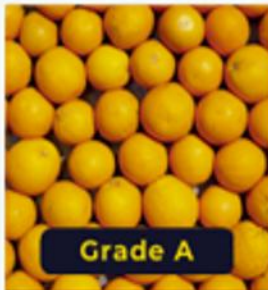
Size



Colour



Defects



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Single or Multi Lane High Speed Roller Sizers With Weight, Size, Colour, External Defects & AI



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*Single or Multi Lane High Speed Roller Sizers
With Weight, Size, Colour, External Defects & AI*



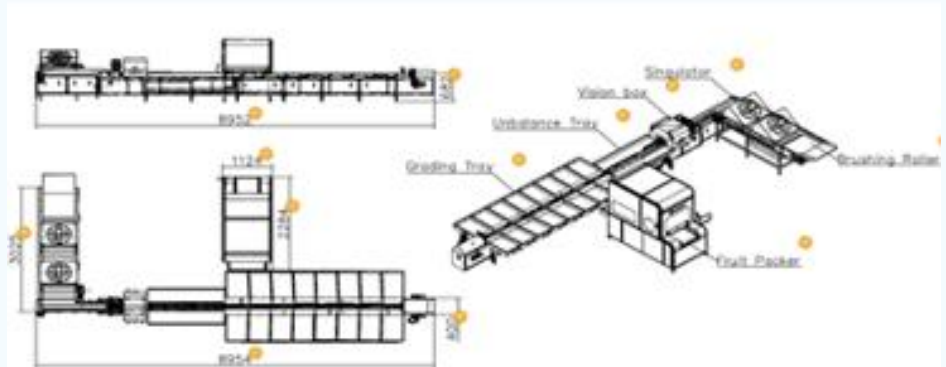
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Place Pack Fruits for Maximum consumer satisfaction



Complete Packline & Intellopak in 12mtr x 6mtr



Fruit is orientated best side up plus all same direction flow



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