



# TOMRA 5S Advanced Optical Sorter

TOMRA 5S Advanced provides class-leading performance revolutionizes food safety expectations. It is the only platform truly designed for hygienic operation, with toolless cleaning and sanitization, and food safe contact areas. With its advanced connectivity features, it is designed to be the digital heart of the packhouse and meet the industries' evolving needs, futureproofing the customer's business for years to come.

## Working Principle

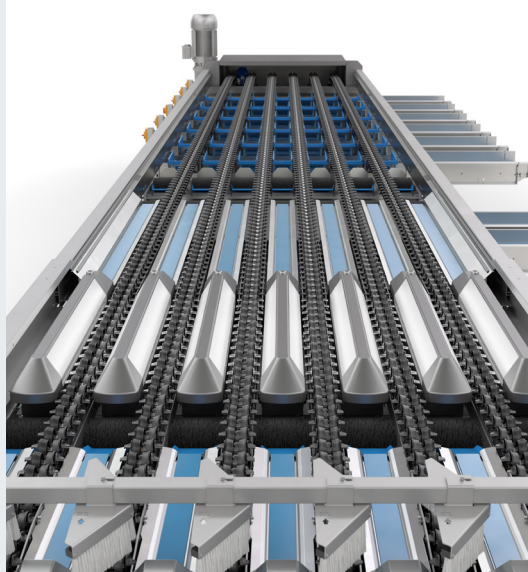
The TOMRA 5S Advanced builds on TOMRA's reputation for gentle handling while implementing food safe and easy to clean materials. Traditional padded surfaces have been replaced with sculpted stainless steel and molded polymer delivering an improvement in impact recording device results and fruit flow. Furthermore, the new singulation design improves handling, reduces spill, and enables optimization for multiple produce types.

The revolutionary modular design of the Food Trust components mean that the TOMRA 5S Advanced can be cleaned thoroughly without specialist mechanical skills to dismantle parts of the machine. Regular tasks such as removing and cleaning crossbelts, which would have previously been measured in hours, now take just minutes. All the materials have been specifically selected to stand up to the challenging environments within a packhouse and are resistant to juice and other corrosive elements. The electrical backbone has been completely redesigned to further enhance reliability, and new innovations such as individual drum drives, jointless belts, low stretch chain, isolated weigh bridge, and new virtually indestructible polymer chutes, build on the existing design to make the industries most reliable fruit sorter, even better.

## Specifications\*

### Hardware

- Unlimited number of outlets
- Long machine length capability – 100m\*
- Inactive lanes for easy capacity expansion
- Outlet display modules
- Automatic lubrication system for chain
- Semi-automatic carrier cleaning system
- Labeling interface



## Benefits

- Innovation | Toolless design and clip out components
- Hygiene | Stainless steel and food safe polymer contact areas
- Gentleness | Sculpted stainless steel and polymers replacing unhygienic padding
- Reliability | Engineered for the challenging environments of the modern packhouse
- Connectivity | Designed to be the digital heart of your packhouse
- Longevity | Builds on TOMRA's reputation for quality and upgradability
- Service | Working in partnership to support your business
- Integration | Benefit from integration with TOMRA's market leading sensors

## Inspection

- Spectrim - External grading (Color, diameter, shape, density, blemish)
- Inspectra2 – NIR for internal grading (Brix/Dry Matter/ Internal defect)

## Automation

- Optimizers – increase yield by reducing pack weight giveaway
- Throughput control – automatically adjust infeed speed to maximize production throughput
- Intelligent fruit allocation to outlets - maximize packout rates
- Individual element mixing – maximize yield and grade to pack tolerances

Interested on more information?  
Please contact us directly.

[www.tomra.com/food](http://www.tomra.com/food)



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\*Dependent on produce sorted and machine configuration.