



High-Performance In-Line Seal Checker

# TSC-RS



# TSC-RS Seal Checker

## Smooth supply of bags

- Bag settling brushes provide gentle agitation to smooth bags before entering the inspection area. The height and angle of brushes are easily repositioned to suit bag thickness.
- A J-belt conveyor with adjustable belt speed precisely controls the pitch of bags for stable transition of product onto the conveyor.
- Adjustable infeed conveyor minimizes drop distance of bags into the unit.
- Ishida's unique stabilizer unit, a double brush system that provides consistent product pitch and reduces bag skewing, is a required option for highest speed operation.

## Precise inspection

- Servo motor control allows optimum adjustment of inspection head pressure on the bags for greater leak detection accuracy.
- Inspection plate is made of mesh material to insure proper detection of improper back seals.
- An optional pre-rejector detects and air-ejects double and other improper bags from the line before entering the inspection area.



Accurate leak detection, gentle bag handling, and user-friendly operation deliver superior quality control on high-speed packaging lines up to **150** bags per minute. Ishida's state-of-the-art technology precisely checks bags up to **120mm** thick and up to **330mm** wide. Ishida's proprietary feedback control system insures that the servo operated inspection head applies optimum pressure on the bag for precise seal checking, maximizing performance and preventing product damage.

## User-friendly and flexibility

- Large 12.1 inch color RCU touch screen panel.
- RCU position switchable (left and right).
- Integration with iTPS Ishida Total Packaging System allows comprehensive production and data management.



Basic setting screen



Basic operation screen



Parameter setting screen



Inspection wave profile screen

Settling brush

Conveyor

Cleaning brush

J-belt conveyor



## Sanitary design

- The inspection head lifts easily out of the way, creating full open access for cleaning and maintenance.
- Detachable bag settling brushes simplify clean-up procedures.



- Cleaning brushes under the infeed and inspection conveyors remove product particles and prevent product accumulation.



- The slide-type inspection cover is easy to open, even in small spaces.



## Options

- Data printer provides hard copy recording of preset parameters and performance data.
- Camera loads product photos onto RCU's operation screen to help operators select the correct product preset.

## SPECIFICATIONS

Model	TSC-RS-120
Inspection Speed <sup>(*)</sup>	Max.150bpm ( 100bpm without stabilizer unit )
Bag Inspection Range <sup>(*)</sup>	Length : 100 - 650mm Width : 50 - 330mm Thickness : 15 - 123mm
Inspection Accuracy <sup>(*)</sup>	Pinhole : 3mm ( at 150bpm )
Minimum Thickness Graduation	0.01mm
Display Language	Multiple ( 7 languages )
Preset Numbers	Max.200
Construction	IP - 30
Material & Finish	Painted steel and aluminum
Dimension	2795mm (L) x 655mm (W) Former Center to Reject Conveyor : 2670mm Reject Height : 890mm±40mm
Machine Weight	Approx. 283kg ( with RCU )

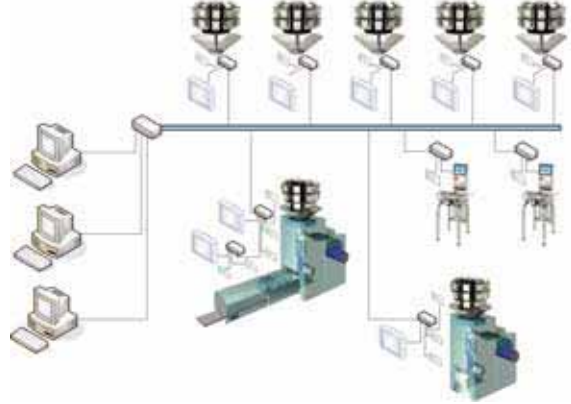
(\*) Varies by product shape and condition.  
(\*\*) Varies by inspection speed.

## iTPS Integration



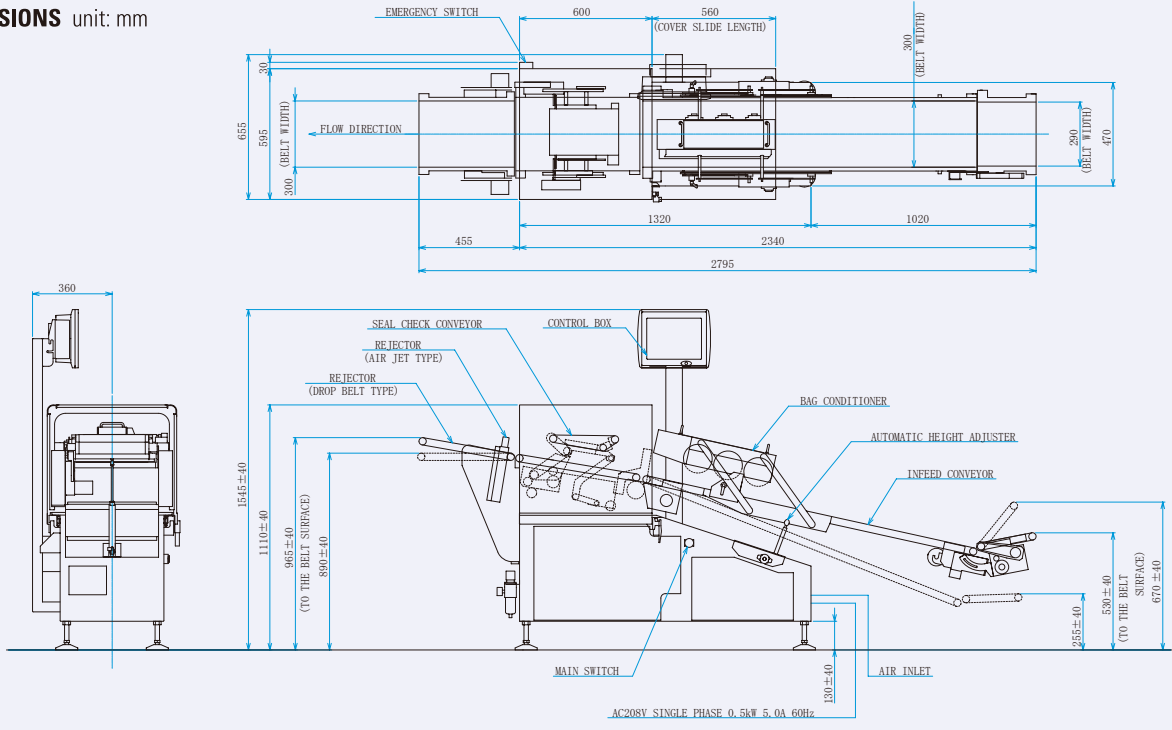
### Expanding seal checker performance with network capability.

The Ishida Total Packaging System (iTPS) network integrates the TSC-RS Seal Checker and other Ishida equipment into an Ethernet network, and exchanges the data using a Windows<sup>®</sup>-based PC via OPC or DDE service technology. Current and historical production data can be easily shared with this network capability.



\* Windows is a registered trademark of Microsoft Corporation.

## DIMENSIONS unit: mm



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Specifications and design are subject to change without notice.

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