PEELING LINE
PEEL SCANNER²

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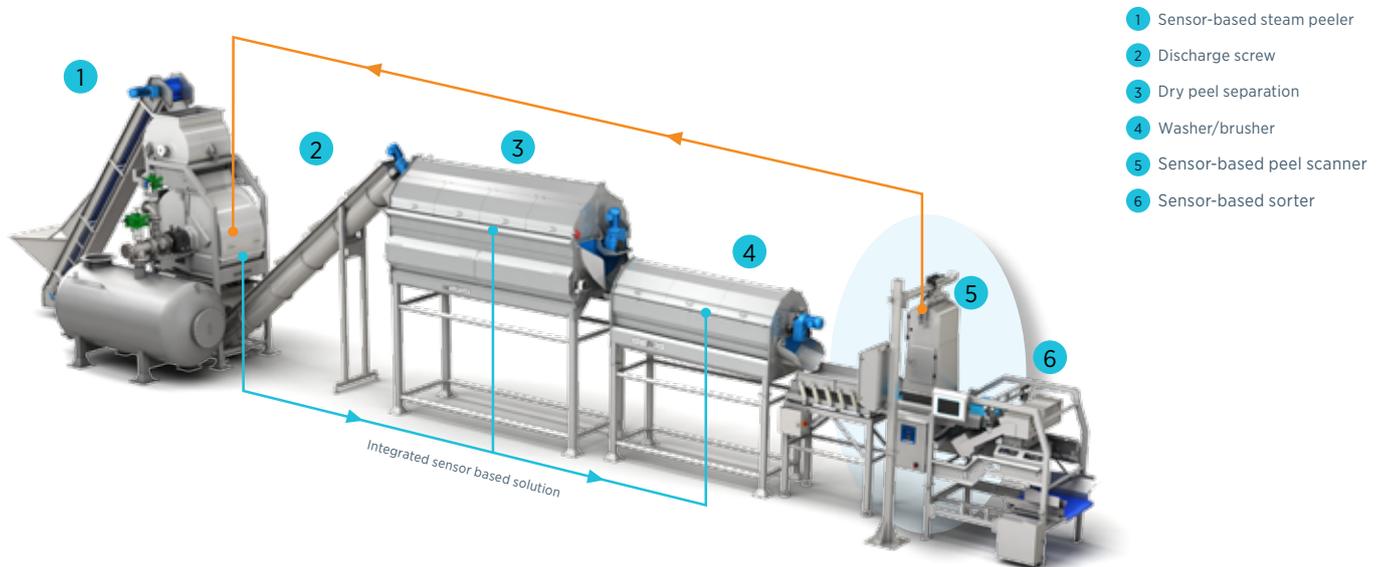food-sorting-asia@tomra.com
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PEEL SCANNER²

The Peel Scanner² is the latest in the line of process inspection machines for the potato processing industry.

The Peel Scanner² uses sensor-based technology to accurately inspect your product in order to provide essential data for control of the peeling process. Peel scanning is an important aspect of the control program to ensure that minor changes in the raw material's quality are detected and the peeling process is adjusted accordingly. Operators can make better informed decisions based on continuously displayed information on the average size and quality of the raw material.

Using an innovative image capture system and sophisticated analysis software, the Peel Scanner² achieves an image resolution of below 0.3 mm. This enables the device to accurately detect the peel percentage, surface defects and dimensional data to control the peeling process. The data collected is shared with the customer factory automation system, which allows the customer to accurately control the production process and to calculate the line yield and quality.

A unique touchscreen allows operators to see live images and data from processing lines. Control parameters, quality settings and set points can be adjusted from the interface panel using password protected access screens. Customers who currently use the technology to control the peeling process receive **up to 8% reduction on steam times and enjoy higher product yields**.

TOMRA'S STEAM PEELING MODULE

1. Sensor-based steam peeler
2. Discharge screw
3. Dry peel separation
4. Washer/brusher
5. Sensor-based peel scanner
6. Sensor-based sorter

Integrated sensor based solution

BENEFITS OF PEEL SCANNING

+ Increased efficiency
+ Increased yield
+ Live images and data for operators and engineers
+ Reduced energy usage
+ Continuous reduction of peel loss

KEY FEATURES

+ Control of peel and brush time.
+ Continual monitoring and reporting of peel and defect quality.
+ Reporting of width and length analysis.
+ Real time and historical information analysis.

USER INTERFACE (UI)

A unique user interface panel allows production personnel to see live images and data from four process lines by using the touch screen.

Steam times, defect levels, peel quality and dimensional data are monitored on simple display charts to help operators and engineers to adjust process parameters.

Control parameters, quality settings and set points can be adjusted from the interface panel using password protected access screens.