

# PEELING LINE

# DRY PEEL SEPARATOR (DPS)



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## DRY PEEL SEPARATOR

After steam peeling, efficient separation of the peel waste is a major concern for vegetable and root processors. TOMRA's Dry Peel Separator or DPS, provides the customer with a method to separate peel waste with zero water usage and minimal yield losses.

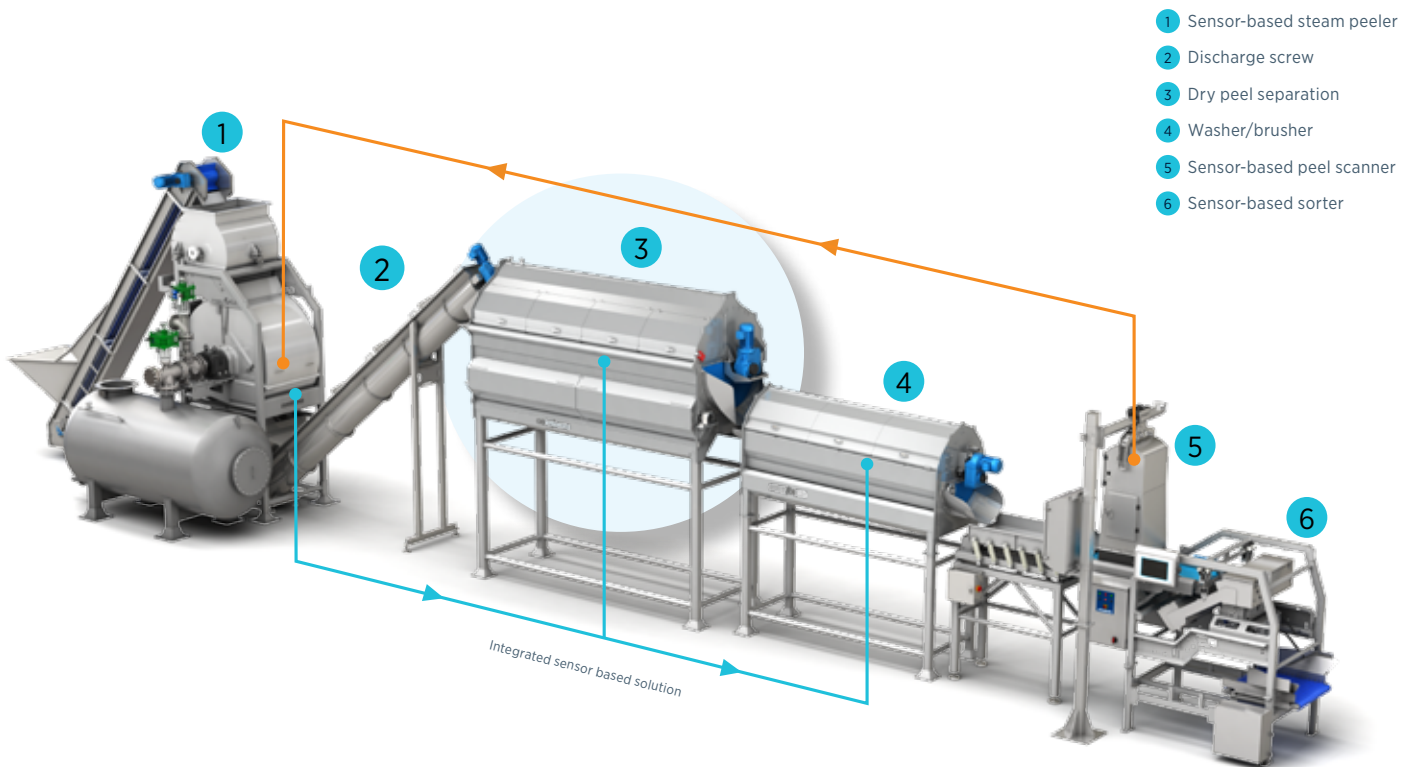
The DPS machine uses a specially designed stainless-steel drum with smooth perforated panels, which is tailored to the customer's product. Inside the drum there is a mixing agitator that ensures the continuous mixing of potatoes and the transfer of the skin to the drum.

The drum rotates at high speed using an external drive shaft to enable the peel waste to flow to the dry-waste pump. Using this design TOMRA achieves efficient peel waste removal with less than 0.3 per cent loss of good flesh.

The latest design of DPS with mixing agitator provides customers with significant improvements in terms of access for hygiene teams and many new features that reduce maintenance time. Using this design they do not need to brush the potatoes and avoid losing valuable product.

The final result is a very high quality product without using any wash water! Customers that use the DPS have seen a large reduction in peeling losses, while reducing or eliminating water usage and associated waste water treatment requirements.

## 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

“Our dry peel separator gurantees a very high quality product without using any wash water, resulting in lower waste of resources for our customers”

“Our steam peelers process 15 million tons of potatoes per year with a 1% yield improvement over other alternatives”

### PRODUCT RANGE; CAPACITY AND DIMENSIONS

3 peeler sizes ranging suitable for 6000 to 40.000 kg/h.

	DPS1-6	DPS1-8	DPS1-12
<b>Capacity</b>			
Lower (kg/Hr)	6,000	12,000	20,000
Maximum (kg/Hr)	12,000	20,000	40,000
<b>Dimensions</b>			
Length (mm)	3,580	4,290	5,290
Width (mm)	1,570	1,690	1,690
Height (mm)	2,040	2,350	2,350

\*Capacities are shown for indication purposes; contact TOMRA with your requirements.

### BENEFITS OF DRY PEEL SEPARATION

- + Efficiency
- + Reliability
- + Low operating costs
- + Low maintenance
- + Scalable
- + No water usage