



vision

without

limits

**FRUIT & VEGETABLE
PEELING OPTIMIZATION**

CANTY

PROCESS TECHNOLOGY

BUFFALO

DUBLIN

THAILAND

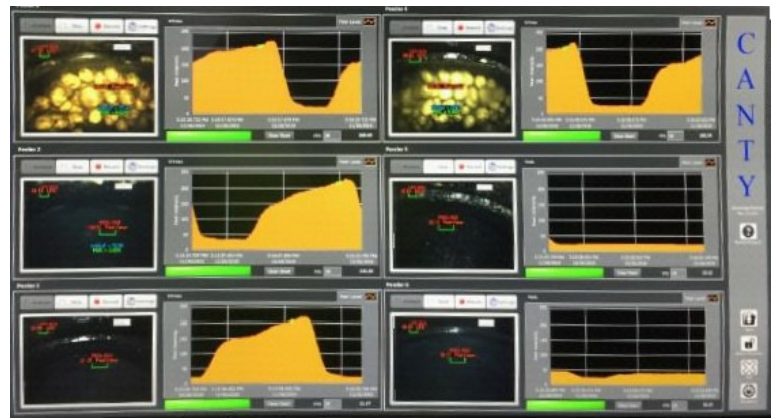
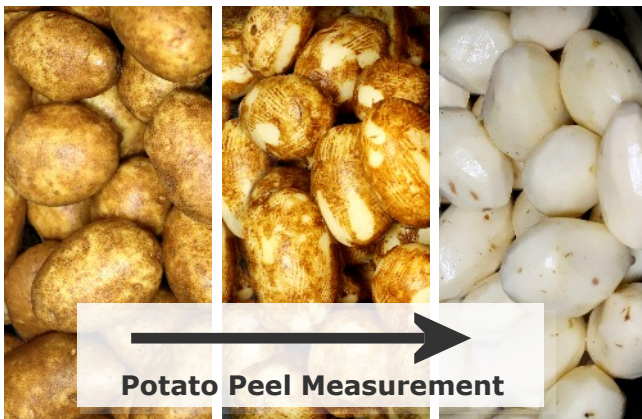


PEELERCAM™

The CANTY PEELERCAM™ can be used to optimize any fruit or vegetable peeling process. Whether running a batch or continuous process, the PEELERCAM™ system can determine when the product has been suitably peeled, therefore avoiding over or under peeling, which ultimately increases product throughput while minimizing product waste.

Batch Abrasive Peelers

For batch based abrasive peeling processes such as potato peeling, the PEELERCAM™ system measures the color intensity value (absolute value, 0 - 255), as well as the rate of change (RoC) of that intensity value. As the skin is removed, the intensity value changes, until eventually coming close to flat lining as all of the skin is removed. At this point, the VCM control signal to the DCS would indicate that peeling is complete, so the processed potatoes can be discharged, and the next batch can be introduced.



Continuous Peeling Processes

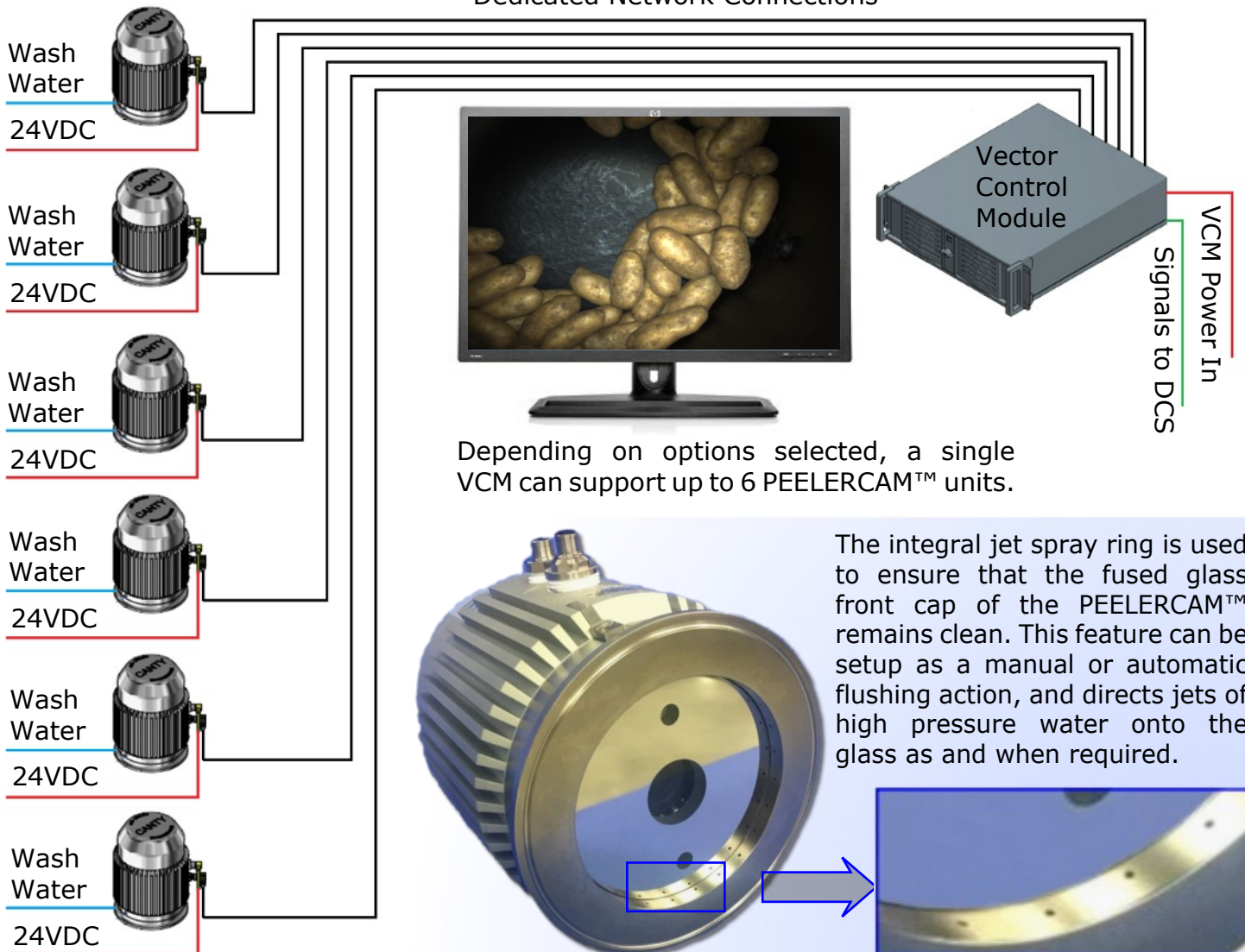
A similar concept as described above can be used on continuous peeling processes, such as that used in tomato, onion or carrot processing. The difference in appearance of the peeled versus the unpeeled product, which is commonly a manual check performed by the plant operators, can be automatically measured and tracked using the PEELERCAM™ system.

OPTIMIZE PEELING & MINIMIZE LOSS

The PEELERCAM™ consists of a highly sensitive Gigabit Ethernet camera, with an integral LED light source. On enclosed peeling processes the system mounts via a single 6" Tri-Clamp® connection, while in open systems it can be mounted to an overhead supporting arm or bracket.

The live video feed is transferred over a TCP/IP network connection, to the CANTY Vector Control Module (VCM), where it is processed in real time by CANTY's unique image analysis software, which is capable of recognizing the peel condition of the product. The VCM's built in 4-20mA, OPC or Modbus TCP/IP capability provides direct communication with the user's control system, therefore allowing for fully automated control of the peeling process.

Dedicated Network Connections



TA12100-1011 Rev. 2



CANTY'S GOAL IS TO PROVIDE EQUIPMENT TO ENHANCE PROCESS UNDERSTANDING AND CONTROL. WE ACCOMPLISH THIS BY DESIGNING, MANUFACTURING AND SERVICING THE FINEST EQUIPMENT IN THE WORLD



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