

CANTY

PROCESS TECHNOLOGY

ADS / GRIPPER VISION CONTROL AUTOMATION FOR FLOAT GLASS PULL



*Note: uses customers existing cameras

APPLICATION INFORMATION

A pair of high temperature cameras are mounted on either side of the float glass line, and positioned to provide a constant view of the gripper wheels as they draw the glass sheet from the tin bath. Existing analog parascope cameras provide constant visual monitoring, and gripper wheel positional measurement supplied by CantyVision™ software provides greater control, and allows the gripper to operate closer to the glass edge, which minimizes waste and maximizes production. CantyVision™ software is housed on a robust Vector Control Module which allows for turnkey installation and ease of remote troubleshooting assistance.

KEY POINTS

- Allows automatic tracking of the knurl & alarming for changes.
- Digital positioning output allows for the optimal setup to be achieved quickly, easily & repeated by all shifts.
- Operator training is minimized since the digital control takes the guess-work & subjectivity out of running the furnace (no more grease pencils!)

THE CANTY ADVANTAGE

The Canty ADS Vision Control system has several key advantages. First, it automates the tracking of the knurl continually for existing product coming out of the end of the furnace. Changes in the product will also trigger an alarm to the system to notify operators of inconsistencies. The ADS control system with the addition of the onion skin tracking system allows for optimal change over and set-up. The addition of Canty's ADS control system allows for use by different operators. Operator training is minimized because digital control of the system takes away the subjectivity associated with this process (no more grease pencils!). The digital positioning output allows for the optimum set-up to be achieved quickly and easily repeated by all shifts.

CANTY

Buffalo, NY USA
Ph: (716) 625 4227

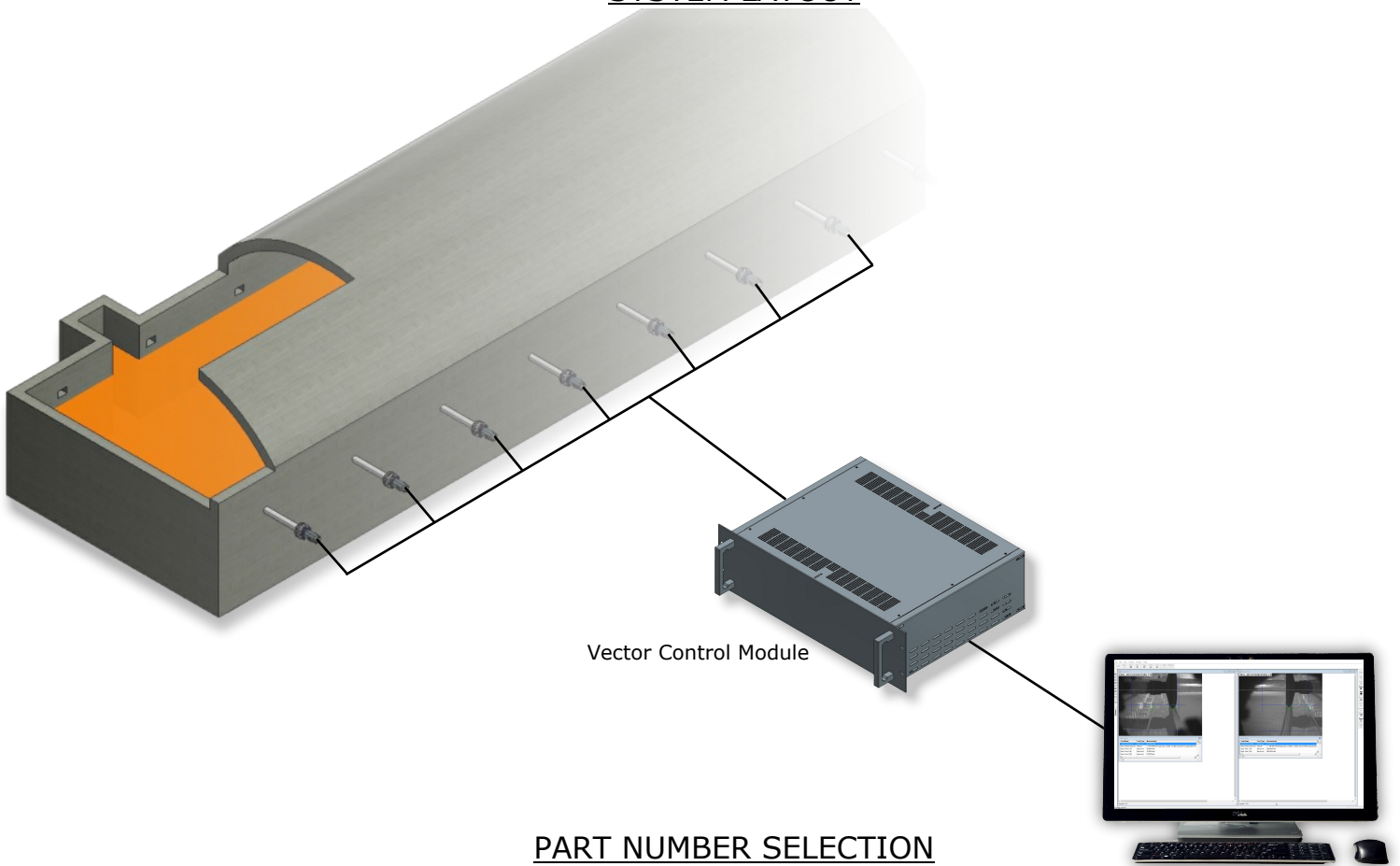
Dublin, Ireland
Ph: + 353 (01) 882 9621

Phuket, Thailand
Ph: + 66 (83) 968 9548

www.jmcanty.com

Document P/N: TA11500-1069 Rev. 0

SYSTEM LAYOUT



PART NUMBER SELECTION

ADS - 8 - 0

NUMBER OF CAMERA INPUTS

8
16

VCM MODEL

0 - Includes a VCM without 4-20mA analog output.
1 - Includes a VCM with 4-20mA analog output.

VECTOR CONTROL MODULE (VCM)

The Vector Control Module (VCM) is a small rack mount solid state embedded processor that has CANTYVISION™ software pre-installed. It is designed to keep project costs low and to also eliminate the need for a computer. Since the VCM has analog outputs, there is no need for an additional analog output module purchase*. The operator screen makes it simple for operators to see what is going on in real time with visual verification. The VCM has OPC or 4-20mA outputs to a PLC or DCS for complete control. The VCM comes with the ability to have full administration controlled passwords and permissions. This compact design and cost effective system is easily setup and has a customizable screen. Customers will need to provide a monitor or use an existing one. Wireless options are available and access to technical support can be obtained with Internet connection. See document TA11500-1034 for additional information.



CANTY

Buffalo, NY USA
Ph: (716) 625 4227

Dublin, Ireland
Ph: + 353 (01) 882 9621

Phuket, Thailand
Ph: + 66 (83) 968 9548