



## Application Story: I-7000 Series Applied by Cognex

### **Cognex® Chooses ICP DAS I-7000 Controllers for Flexible, Reliable Control**

Cognex® is the world's leading supplier of machine vision systems, or computers that can "see." Cognex's Surface Inspection Systems Division (SISD) specializes in machine vision systems that are used for inspecting the surfaces of continuously manufactured materials, such as metals, paper, nonwovens, and plastics. Cognex's SmartView® surface inspection system includes a pneumatically operated, retractable light beam. When Cognex needed a configurable, reliable control system for sequencing the movement of that light beam, they researched many different options. "We looked at PCs, PLCs, custom logic, and a number of other solutions," said Jeff Wolinsky, Senior Engineer for SISD. "The ICP DAS I-7000 family is a perfect match for our needs. The I-7188X controller is easy to program and configure. The controller's rapid startup (boot) time is ideal for a standalone control system. Its simple serial port connections enable our inspection system to monitor the controller's status and also upload new code to enhance functionality. The I-7000 family I/O modules were easy to interface with our various buttons, switches, position sensors, and pneumatic valves. Overall, the ICP DAS I-7000 family's flexibility, reliability, and compactness made it the clear choice for Cognex." For more information about ICP DAS product, please visit <http://www.icpdas-usa.com>



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**Cognex Enclosed Camera Frame with Retractable Light Beam**