Many industries benefit from thermal monitoring systems as a means of ensuring quality and consistency. Applications include frozen and cooked foods, bottling and canning processes, automotive manufacturing, paper and wood product manufacturing, and many more.

**System Solution**

Thermal imaging cameras are an ideal production monitoring tool, providing constant automated monitoring in virtually any environment. Processes that require temperature control can greatly benefit from the integration of these systems. Viper’s system solution helps increase quality and consistency while reducing the need for destructive product testing.

FLIR cameras are integrated with the ViperVision software to directly communicate with most industrial platform controllers. The software will analyze and compare the data against predefined parameters and will trigger an alarm if warranted. These parameters can be adjusted based on the specific application needs, and all data can be saved for process analysis and quality control.
Typical Installation
FLIR A310 (or any other FLIR A-series) thermal imaging cameras are installed to verify temperatures and locations. Viper’s systems are customized to view as much of the process as necessary while using as few cameras as possible. Cameras are mounted in industrial housings which protects equipment from the workplace environment.

Our camera enclosures are application-specific and include the appropriate purge and pressurization to protect the camera equipment. Viper Imaging provides solutions for Class I, Division I and Division II environments as well as a variety of other industrial settings.

Key Benefits
- Instant notification alarm for temperature or shape beyond preset parameters
- Maximize production rate and process speed
- Increased quality and consistency
- Provides quantitative temperature readout and remote visual monitoring for plant management
- Reliable and rugged system
- Easy integration into existing plant control system