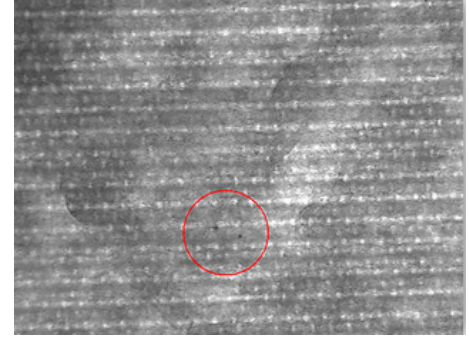


# PulpInspector



Papertech has recently introduced an online pulp dryer dirt count measurement camera system called PulpInspector, as an alternative to the labour intensive and inaccurate off-line manual measurement method currently used by many producers. PulpInspector's high resolution cameras continuously analyze pulp quality for dirt, shives and any other non-desirable contaminants, such as metal. Features include:

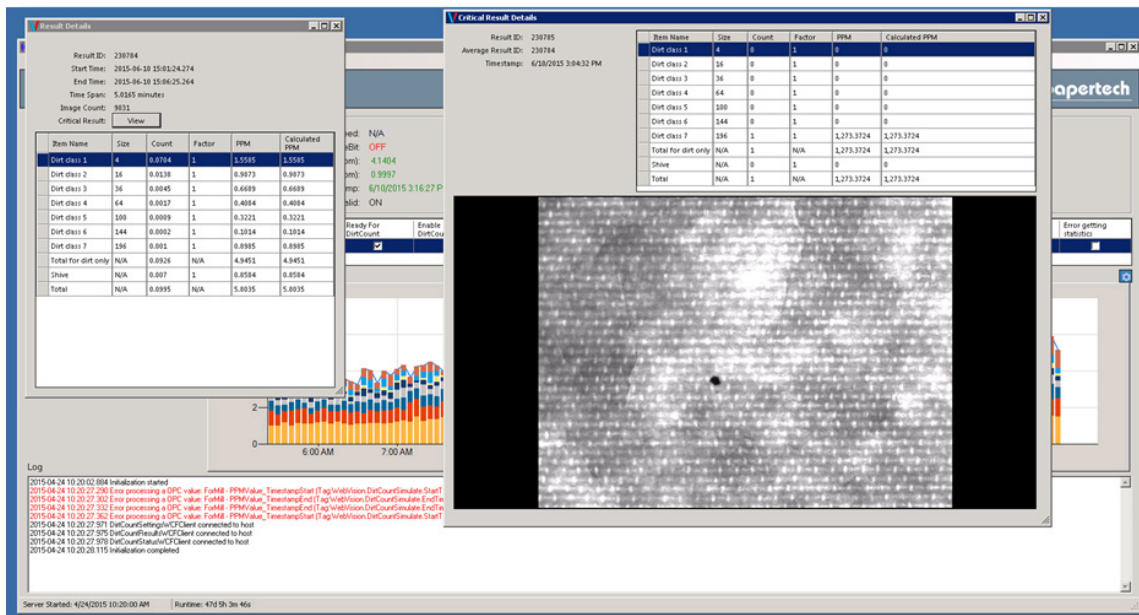
- software algorithms that result in all dirt PPM (parts per million) to be continuously measured multiple times per second, either in one section of the pulp sheet, or all the way across for a complete 100% sheet inspection. The inspection resolution is guaranteed to meet the TAPPI/ISO 0.2 x 0.2 = 0.04mm<sup>2</sup> smallest dirt size requirement.
- Conforms to TAPPI/ISO pulp dirt count or pulp dirt analysis, a standard that has been used for off-line manual measurement for years to quality grade pulp. This results in a continuously reported PPM count that will closely match the manual batch method, but is more consistent and fully automated. (see <https://ipstesting.com/find-a-test/tappi-test-methods/tappi-t-563-visible-dirt/>)
- Any dirt count changes are immediately detected and alarmed, providing operators with the tools they need to produce high quality pulp that is free of defects.
- Easy installation on any pulp dryer, and can be used on a range of pulp brightness. The user-friendly interface allows operators to continuously see the PPM dirt count, and to quickly review weeks of dirt count history and trends. PulpInspector can also be readily interfaced with various QCS/DCS systems, and to close loop control any final quality control of the bales.
- PulpInspector uses proven TotalVision WebView GigE high definition cameras and WebLED lights. Designed to fully TotalVision™ integrate with WebInspector® WIS for full web inspection analysis with TotalVision 6 WMS for full wet-end root cause synchronization.

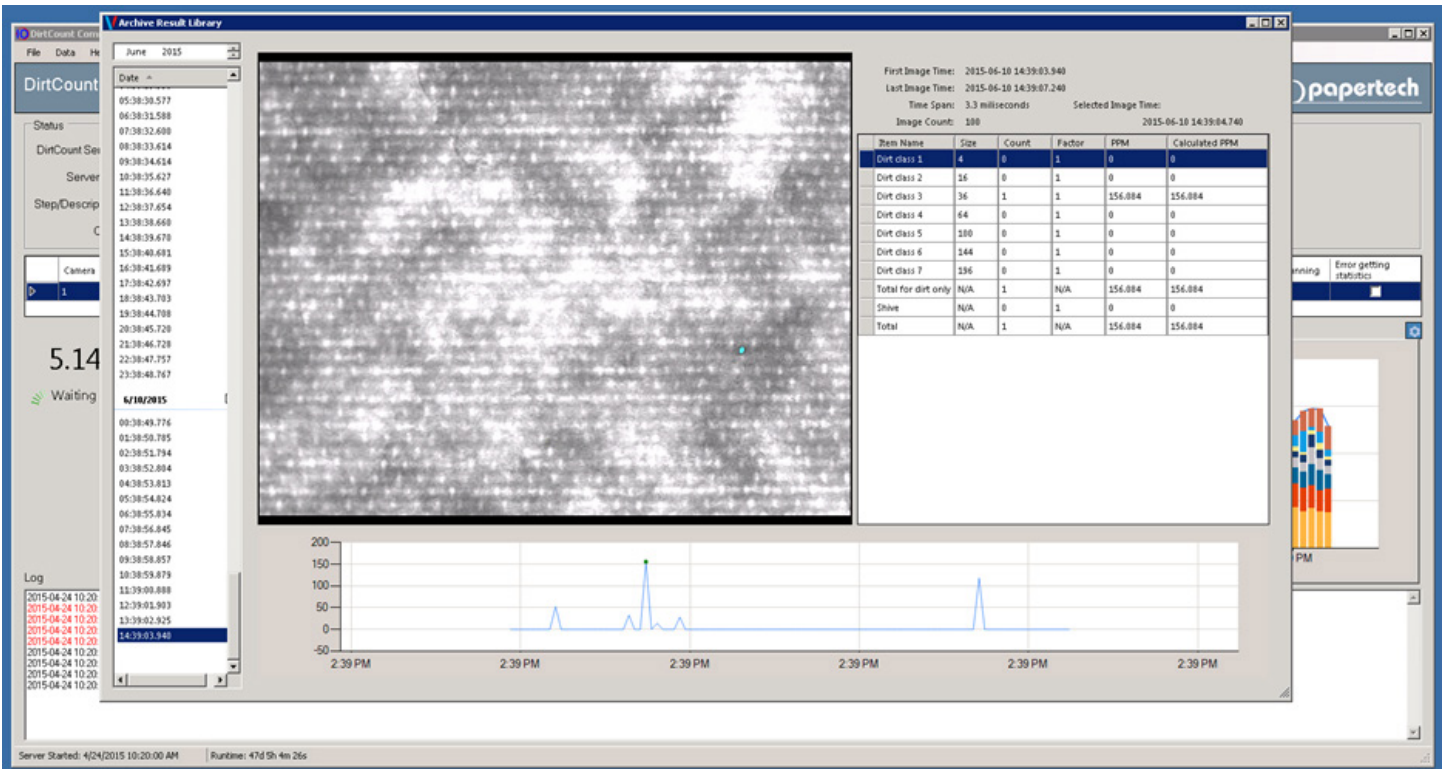


PulpInspector has the ability to measure dirt down to 0.2mm, 0.04mm<sup>2</sup> while ignoring the pulp surface pressing pattern.

## Online Results

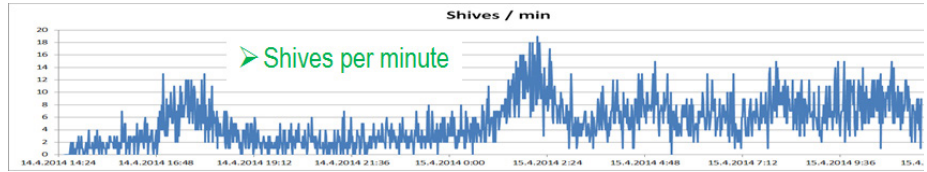
- Shows hour by hour history of dirt count in PPM
- Shows size distribution of dirt (user defined)
- Shows the most severe, or largest, defect found in user defined time period





## More Online Results

- Shows day to day history of dirt count in PPM
- Shows size distribution of dirt (user defined)
- Shows 100 images archived
- Can bring up any captured image for further analysis
- Software ignores the pulp surface pressing pattern
- Shows the most severe, or largest, defect found in user defined time period



## CAMERA RESULTS - MAY

