THE
SOLUTIONS
GROUP

Inspection Central

The Solutions Group brings confidence to the production line with Inspection Central. It is the leader in monitoring, tracking and inspecting production.

The Solutions Group (TSG) has developed Inspection Central as *the* tool to provide advanced quality and integrity control for any production system requiring monitoring or tracking. Inspection Central will lower costs, improve quality and productivity while ensuring a higher standard of production integrity. With Inspection Central, you will have complete confidence in your production—regardless of the number of stations assigned to the job.

Inspection Central is an option that can be added to any production line with most any hardware. Inspection Central operates as a stand-alone product or it can be integrated into an existing production line. This versatility extends the life and usefulness of legacy systems, eliminating the need to replace them. The hardware design allows for easy integration with most production systems. Another unique ability of the Inspection Central is remote monitoring via the TSG web-based application. Your business can enjoy the following benefits immediately!

- Increased Productivity
- Higher Quality Standards
- Completely Auditable
- Centralized Management
- Lower Costs
- Real-time Tracking
- Easy Job Reconciliation

The success of Inspection Central is based on TSG's own Vision System.

TSG Vision
TSG Vision, the vision system exclusively available from TSG, is an integrated system of scanners and cameras for read/verify applications. In such application where information is read and then verified, TSG Vision is the solution allowing operators system control. Using TSG Vision, the operator can define *regions of interest* and tune the camera specifically to verify the information contained within those regions. TSG Vision operates on all Windows platforms XP and above.

TSG Vision is used in applications requiring verification such as: Printing, Inserting, Bindery, and Plastic Card/Carrier Production and Finishing. TSG Vision is capable of simultaneously verifying all industry standard code formats including barcodes, OMR, and OCR.

Inspection Central Features

TSG Vision is an integral part of Inspection Central and it provides the capability to perform the following actions:

Sequence Checking

This requires that data reading values sequentially increase or decrease by a given value. Additionally, the system can ensure that the products are produced in the same order as the datafile.

Benefit: *This provides the ability to know that the predefined number of products appear in the output and they are in the proper sequence. All missing products are accounted for and documented by Inspection Central.*

Simple Reading Validation

As products are read, Inspection Central determines if a product is an "invalid no read" or" invalid read." This is determined by the reference data on the record and the user-defined inspection field.

Benefit: *This ability provides 100% piece-level integrity. Inspection Central ensures that the products passing through the system are accurate, readable, and perfectly matched to the data in the record.*

Data Field Updating

Inspection Central automatically updates the data in the database as the product passes through the system.

Benefit: *Real-time accuracy of the reference datafile is the primary benefit. This feature can facilitate tracking a product by time/date stamp, operator, machine, or a number of customizable data fields.*

Image Saving Ability

Inspection Central allows for every image to be saved to a designated directory on the disc. Each saved image filename can have a fixed customizable prefix.

Benefit: *A permanent record is archived for any future reference and is matched to the updated data fields. This provides traceability through the system.*
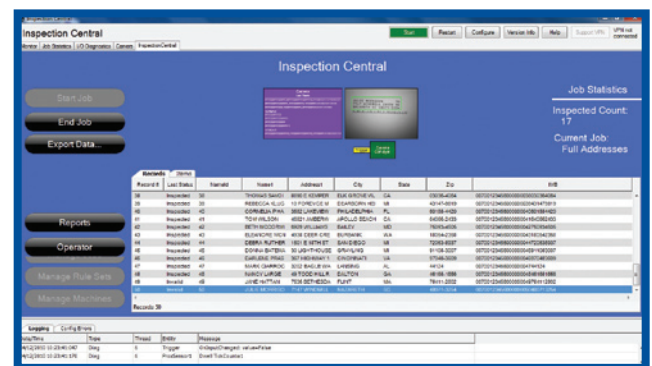
Product Sorting

The system sorts products by firing an output, which usually speeds up the conveyor to separate groups of products. It can also activate a divert process.

Benefit: *With product sorting, Inspection Central allows the operator to easily bundle products based on sorting criteria. Products which are invalid, for any specified reason, can be diverted for discarding or manual inspection.*

Unique Product Verification

As Inspection Central receives a reading, it pulls the record from the database and ensures that the product has not been seen previously in the system. If it has been seen previously, it will be marked as invalid. This will apply across multiple inspection points within a single system.

Benefit: *Inspection Central protects against the multiple processing of a single product—no redundancy.*