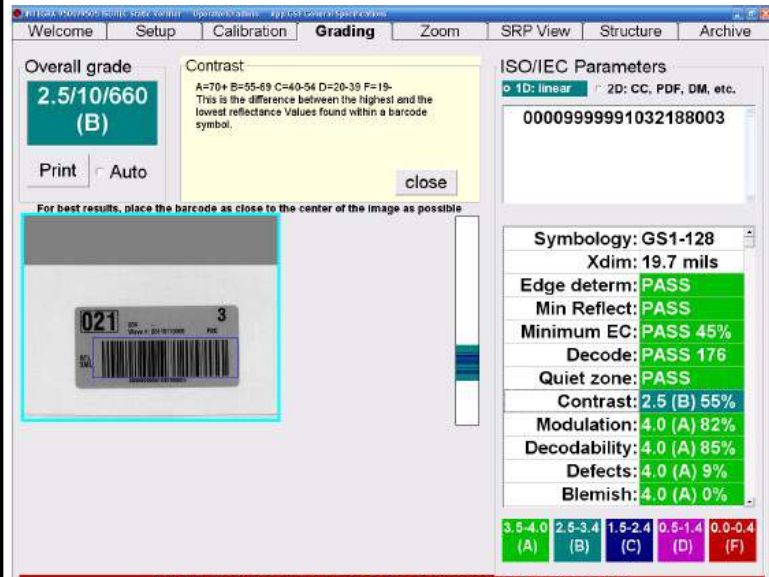


# APPLICATION BREAKDOWN:

## Bar Code Quality Analysis



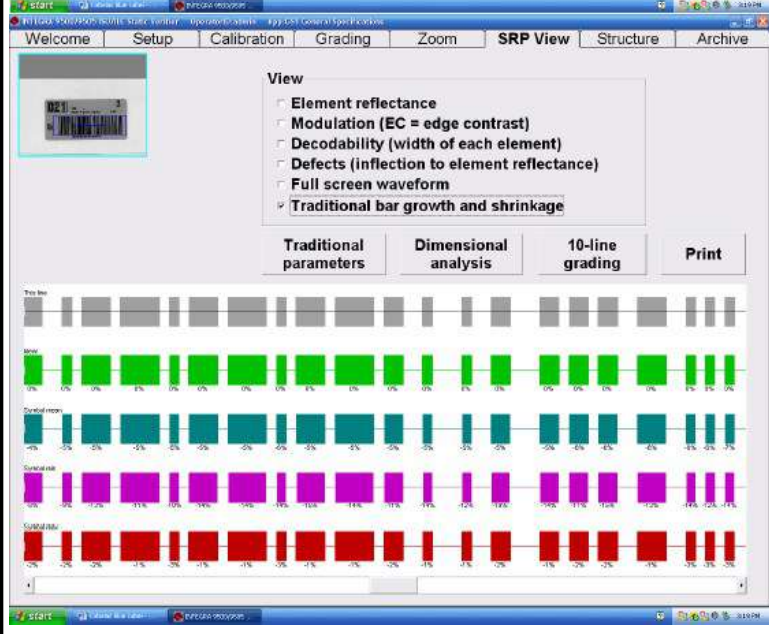
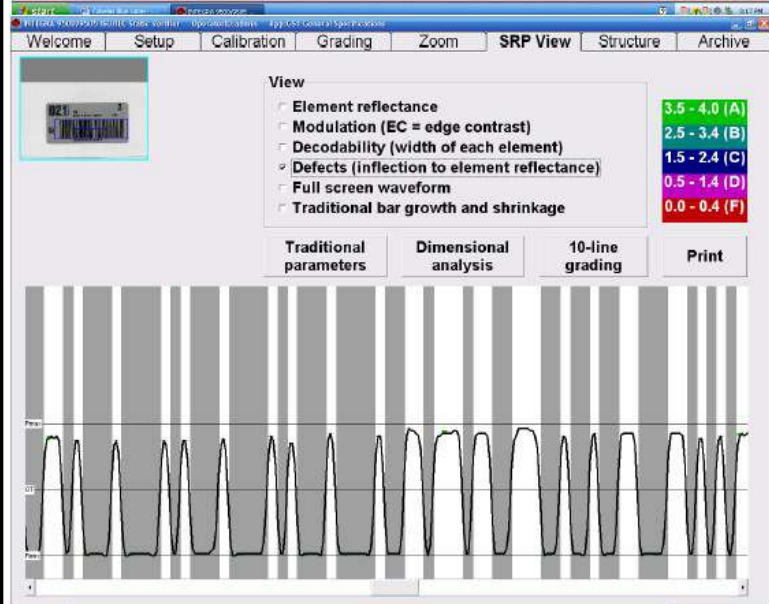
Barcodes are the foundation for the majority of automated data collection systems found in fulfillment/distribution facilities. Because of the volumes of objects passing through the system, a reading rate as high as 99.8% can be low enough to cause unacceptable system delays.

Read rates can be improved by upgrading the hardware: adding read-heads, upgrading to higher performing scanners, and adding image-based code readers are sound approaches to getting the best possible performance from the existing barcodes.

A customer asked us to try to improve their system performance to better than 99.9%. Rather than just throwing additional hardware at the problem, Sensors started by evaluating the barcodes being used. The customer had been using a system of colored barcodes to delineate different product groups. Using their in-house barcode evaluation system, Sensors determined that two of the colors, green and blue, had a significantly lower contrast rating, which in turn exaggerated defects in the code. The lower readability scores represented a majority of the system no-reads.

The customer was able to replace those colors with higher contrast options, improving the read rate of the system, increasing throughput and lowering costs. They became one of Sensors biggest purchasers of Track and Trace systems.

If you have a complex application that might require extreme application experience, or extensive vision knowledge, do not hesitate to call the experts at Sensors Integration.



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