



A Division of B&D Industrial

PULP & PAPER INDUSTRY

PACKAGING THE PERFECT SOLUTION

CUSTOMER PROFILE:

A large paper products manufacturer

THE PROBLEM

Our customer needed a turnkey solution for its packaging inspection process. The customer's existing application was an image-based vision system. It included an inspection camera mounted above a 2' by 2' area used to confirm that the required 12 packages were in place before proceeding with the packaging process. After comprehensive inspection, the B&D Technologies Applications Engineering Group (AEG) identified a second challenge: this portion of the production line was located in a cramped and recessed area, causing shadows to degrade the quality and accuracy of the camera image. The customer also needed to resolve a timing issue.

THE SOLUTION

The AEG custom-engineered a solution for the customer's unique needs and challenges. We suggested replacing the vision-based system with a laser design that would be easy to use and would minimize training and maintenance needs. Lasers require no external lighting, and the timing can be done with timers built into the laser-imbedded controls, so this innovative solution solved two problems at once. It provided pinpoint accuracy as well as timing precision without having to contend with shadows or sparse lighting.



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