Enterprise Formation: Strelen Control Systems uses Image Processing and Intelligent Computing to inspect Packaging Processes.

The start-up enterprise *Strelen Control Systems GmbH,* that was founded in August this year, offers innovative inspection solutions for packed products, for instance to control packages or packed goods for damages or completeness.

The 41 old founder, Dr. Stephan Strelen, brings years of industrial experiences as well as a scientific background in the fields of industrial image processing and artificial intelligence into the start-up. With a small team of experts Strelen Control Systems offers inspection solutions that are robust and fault tolerant. One of their first products is *Safe-Ident* which is used to eliminate off-spec products or even replaced the more expensive check weighers.

In order to solve difficult problems which have not been solved yet, the start-up team not only relays on newest research results, they also count on a cooperation with leading industrial enterprises. Thus *Safe-Ident* was developed in close cooperation with the OYSTAR-group.

First installations are already in production. *Göbber*, a marmalade producer from North Germany uses Safe-Ident to check its trays of 25g packages for completeness. Here Safe-Ident guarantees that no box with missing products leaves the factory. An additional advantage of the installation is: the system checks before the boxes are sealed. This also helped to reduce loss of products. And for Göbber the installation payed off: the return on invest is very short.

Göbber uses Safe-Ident to identify missing product at the tray-packer. This reduces reclamations and loss of product.
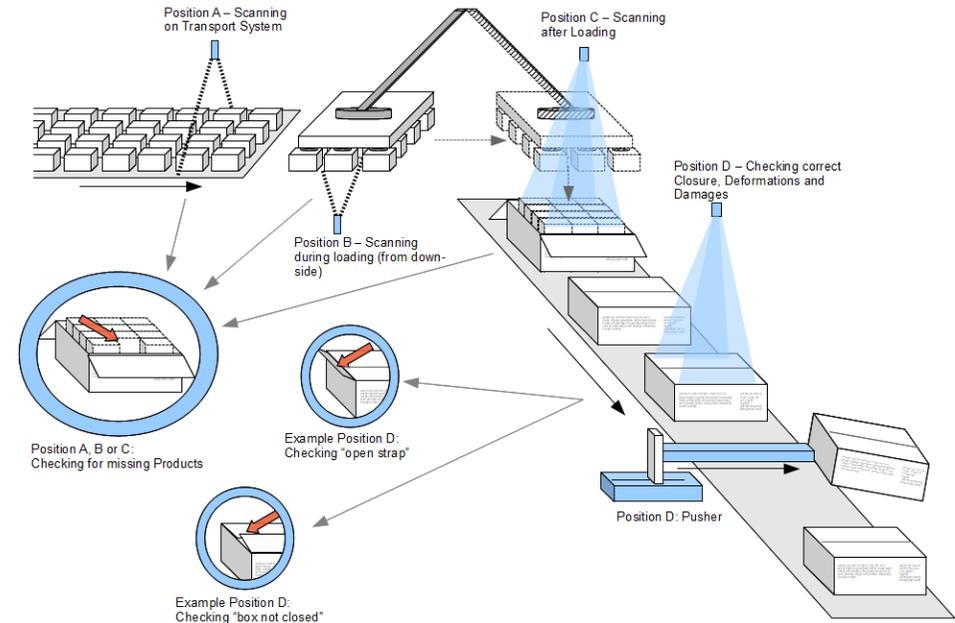
"these successful first installations and the large number of inquiries are goods signs for the future" stating the founders. They are very confident for the future.

More information under www.strelen.com.

Strelen Control Systems GmbH
Werner-von-Siemens-Straße 2   Phone: +49 6151-5012575   E-mail: info@strelen.de
D-64319 Pfungstadt   Fax   : +49 6151-9519018   www.strelen.com

Safe-Ident: Fault Tolerance, Robustness and Security for Inspection Systems

Safe-Ident inspects primary and secondary packaging processes.

"Safe-Ident Packaging" is an inspecting system for controlling industrial packaging processes. Standard tools are checking primary and secondary packing procedures for completeness, damages, deformations or other faults. Apart from the standard tools, *Safe-Ident* can be used for customized applications.

In image processing applications, environmental disturbances, such as dust or light must not cause erroneous results. Therefore robustness and fault tolerance are key features of Safe-Ident.

Another important tool is called "learning on bottom press". This tool helps to configure *Safe-Ident* for new jobs. New samples are simply showed to the system so that no technician needs to travel for new configuration or programming.