



SUPERJET 900 ADHESIVE FOR HIGH SPEED GLUERS

BY MEANS OF NEW GLUE AND IMPROVED SETTINGS, DS SMITH IN EERBEEK AND ADHESIVE SUPPLIER INTERCOL APPROACH 'ZERO DEFECTS' ON THE PRODUCTION LINE. THE RESULTS WERE REACHED AFTER SIX MONTHS OF TESTING AND THE NEW APPROACH IS LIKELY TO LEAD TO INCREASED EFFICIENCY AMONG DS SMITH EERBEEK'S CUSTOMERS IN THE FOOD PROCESSING INDUSTRY.

“The automation process at many of our customers means they need good quality boxes,” says Robert Smith from the DS Smith Business Support department in

Eerbeek. “High speed box erectors are more and more sensitive to failures. We supply millions of boxes per quarter to some customers. One incorrectly glued box can paralyse a production

line. That's why it is important that every box is perfectly produced and has optimal bonding. In our industry, an integral quality approach is indispensable and bonding is an important part of this process.”

Optical Glue control

Glue on the inside or outside of the box can cause boxes that do not open in case erectors or stick together on it's stack. This has an impact on production speed and leads to downtime. “This project is an important step in our zero defects approach and a good addition to our previous invested process control parts,” says Bjorn Reudink, Production Manager at DS Smith Eerbeek.

Fewer Microstops

By means of a pilot on one of the casemakers, DS Smith compared the standard adhesive used with Intercol's new Superjet 900 adhesive. The

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HENRY MENSEN, TECHNICAL SALES MANAGER AT INTERCOL

advantages on the adhesive behaviour and the smaller number of micro stops were a decisive factors. The operator's doubts about the new adhesive were quickly dispelled. Subsequently, several machine modifications were made to further increase the reliability and work was done on an adhesive pressure curve that adapts to the machine speed

"We have introduced an adhesive that is optimised for highly accurate adhesive applicators and we have set a linear pressure adhesive, which is linked to the machine speed," says Henry Mensen, Technical Sales Manager at Intercol. "This ensures that the adhesive pressure always matches the speed of the converting machine, regardless of whether it is running slowly or at full speed. Such an adhesive curve creates calm for the operator and reduces the risk of errors. An additional advantage is that the Superjet 900 adhesive contains a food-safe detection pigment, which can be applied to both white and brown board."

The packaging industry is constantly faced with required



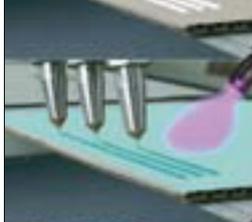
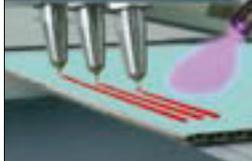
improvements in the areas of effectiveness, food safety and the environment. Adhesives such as the Superjet 900 play a major role in this.

This series of adhesives is extensively tested in the laboratory of Intercol on identical

adhesive equipment such as those on folder gluers.

By means of lab tests and practical results, there is one optimal result achieved in the field of adhesive splashes, machine starts and-stops, consistent adhesive application and a high wet tack. Also, Superjet 900 complies to regulation EC/1935/2004, GMP, REACH and PIM.

Intercol says an additional advantage of the new Superjet 900 series adhesive is that it is detectable on white, brown and recycled board, so that detection systems can see the glue. "Optical brighteners in board can cause problems with standard detection pigments," explains Mensen. "Our glue contains a food-safe detection pigment. This is special, because many adhesive manufacturers usually exclude the UV pigment from the food safety declaration." ■

		FOOD-SAFE	DETECTABLE
	White board White glue	✓	✗
	White board with optical brighteners White glue with standard UV pigment	✗	✗
	White board with optical brighteners Food safe detectable adhesive	✓	✓