

**As one of the leading gluer manufacturers in the carton industry, Duran Machinery of Turkey regularly brings significant developments to market.**

**T**he new Omega Allpro, equipped with ISRA PrintSTAR 100 per cent Print Inspection System is one such product. This is a joint collaboration project with ISRA Vision of Germany and it's the latest addition to the company's wide and efficient range of gluers. It ensures quality and process control on the gluer while reducing waste — because the blanks are inspected one by one throughout the gluing process.

“The aim of this project was to provide an easier production process, with maximum productivity, for our customers,” says Pinar Kucukaras, Marketing Manager of Duran

Machinery. “Carton production increasingly involves complex processes, especially for cosmetics, pharmaceuticals and food products — so quality assurance is a must particularly on short runs. A flexible and competent print inspection system is the perfect tool to ensure quality control — that's why we teamed up with one of the leading companies in optical inspection systems in the world, ISRA Vision. The R&D ability of both companies enabled us to complete this project in a very short period of time,” says Kucukaras.

The first Omega with ISRA PrintSTAR is an Omega Allpro 70 which includes a special ejection system for defective blanks. It was exhibited late last year by Duran Machinery at Printek International Print Technologies Exhibition in Istanbul and created significant interest. The gluer runs at to 230m/min when running the print inspection system and is equipped with a side register section and straight line, double wall and auto bottom capabilities. The print inspection system can be by-passed when not required, at which time the gluer returns to its standard production speed of 400m/min.

The Omega Allpro with ISRA PrintSTAR inspects and compares each blank with a master PDF image. The benefits are significant, including the reduction of

# PRINT INSPECTION SYSTEM FOR **OMEGA** **ALLPRO** **GLUER**



## PRINT INSPECTION SYSTEM

customer claims, reduction of production waste and fully documented quality inspection. As well as print control for streaks, scratches, missing print, smearing, discolouration and inspection for batch management, the system can also inspect colour deviations, register variations, hot foil embossing, high gloss varnishes and metallic papers as options. Other key features of the print inspection system are:

- Multiple live image display for viewing during production
- Product data interface for linking to batch management systems
- Optional real time flagging of defects
- Image storage for defects
- Easy visualization and classification of all defects
- Robust database that enables tracking of waste.

Kucukaras tell us that they are delighted with the interest in this product following its launch at end of November and adds, "We are certain that this new Omega gluer will be one of our most popular machines in Europe this year. Like us, our project partner, ISRA Vision, has a very customer orientated structure, so we are fully confident about providing excellent after sales services for these gluers." (pinararas@durankmakina.com)

