

SINEL SYSTEMS, S.A. - Spain

Putting a label of perfection on quality assurance

Sinel Systems S.A. is the market leader in label printing in Spain. Sinel converted more than 17 million m² of self-adhesive material during 2005. Held by the Caposa group, Sinel invented the technology for manufacturing the first self-adhesive label in Spain in 1958, and has continued to regularly introduce innovations in this market ever since. The company's capabilities span the full range of standard and state-of-the-art labels, from self-adhesive labels for consumer goods to pharmaceutical and security labels.



Sinel covers the entire production cycle, from pre-press to finishing, using all printing and finishing technologies such as Flexo, letterpress, rotary silkscreen, hot or cold stamping, and lamination. The company serves demanding industries such as pharmaceuticals, cosmetic and toiletries, electronics, automotive, clothing and apparel, and food and beverages.

Manufacturers of high-end consumer goods, who invest vast resources in brand integrity, require high levels of productivity and quality control from their printers.

Sinel was seeking a solution that would provide its customers with total confidence in product quality. At the same time, production efficiency and reducing the cost of quality were key in creating a competitive edge that would drive the company's commercial success.

Sinel was looking for an automatic inspection solution that provides 100% inspection, 100% of the time. Sinel was also looking for a flexible solution that could be installed on the printing machine as well as on rewinders, to support different workflow needs.

After evaluating the various automatic inspection solutions available, Sinel chose the PrintVision/Helios 100% automatic inspection system from AVT. Based on a successful integration of the first PV/Helios systems, Sinel continued ordering additional AVT inspection systems to equip both its presses and rewinders. To date Sinel owns 5 PV/Helios systems on its presses and 3 on its rewinders.

*"Our high-end customers in the consumer goods business, especially from the cosmetics, pharmaceuticals, and food and beverage industries, demanded a quality control system. Once they saw the fault-free results and decreased rejections provided by the AVT inspection system, **they insisted that every single job we produce for them goes through the PrintVision/Helios machines.**"*

Joaquim Perez, Sinel General Manager



The AVT Solution:

The PrintVision/Helios is an automatic 100% inspection system for quality assurance. This advanced defect detection system can be installed on press for 100% automatic inspection & Process Control, and can also be integrated into Rewinder/finishing equipment providing full rewriter control (Run, Stop, Jog, Go back, skip, etc.), allowing the roll to be cleaned and fixed before reaching the demanding end-user.

The Helios system visually inspects printed labels and packages for defects and imperfections, offering a reliable quality guarantee and eliminating customer rejections. When installed on press, the system detects defects such as characters areas, color variations, mis-registration, missing print, spots, die cut registration, imperfect matrix peeling and more.

An integral reporting mechanism automatically stores all waste defects detected and provides quality information for downstream repair on the finishing machine. These innovative defects management, FrintFlow & FrintFlow Manager modules, are used for process control and production improvement as well as for decision-making supporting efficient defect removal on the rewriter.

*"The PrintVision/Helios system detects defects as soon as they are generated. This reduces waste dramatically, increases efficiency, and **makes us even more competitive, both in price and in top quality results.** AVT gives us a unique marketing advantage. Since our first purchase we have increased our order to a total of 8 inspection systems by the end of the year."*

Joaquim Perez, Sinel General Manager



PV/Helios on Rewinder



PV/Helios on Press

