

SMI Coated Products Achieves Return on Value with NDC Technologies



Consistently Relevant Solutions

FAST-GROWING LABEL STOCK MANUFACTURER

SMI Coated Products Private Limited, headquartered in India, has grown in sync with the dynamic expansion of the label industry. With a strong customer-partnership orientation, SMI has always maintained a proactive flexibility in offering solutions for existing and emerging packaging challenges through their label stocks.

SMI's customer-centric focus to deliver "consistently relevant solutions" drives the organization to meet and exceed customer expectations and deliver the highest-quality products to exacting specifications, on-time, every time.

"The IG710e enables us to achieve reductions in change-over time -- resulting in less dependency on operators and their skills, no manual sampling and greater confidence in the process and product."



HIGHLIGHTS

- ▶ Enhanced Productivity
- ▶ Reduced Scrap
- ▶ More Accurate Measurements
- ▶ Eliminated Manual Sampling
- ▶ Peace of Mind Operation

Maximizing Process Performance and KPI's

THE PROCESS CHALLENGE AND NDC TECHNOLOGIES' SOLUTION

SMI needed to accurately and reliably control the coat weight and moisture levels on label stock during the adhesive coating process. After an in-depth consultation with NDC Technologies, SMI moved forward and installed an integrated measurement system solution.

The new system consists of NDC Technologies' SlimTrak and MiniTrak scanners and IG710e on-line near infrared (NIR) gauge. This high-performance solution enables SMI to accurately monitor and control the adhesive coat weight and moisture levels of the label stock web during production, enabling the company to deliver the highest quality products to customer specifications in a timely manner.

With its compact footprint, NDC Technologies' SlimTrak and MiniTrak S single-beam scanners are uniquely designed to fit into tight machine spaces. The IG710e NIR gauge provides high-speed gauging performance and offers versatile measurements of moisture, coat weight and coating thickness on a wide range of label stock products. This gauge is also unaffected by changes in process and ambient conditions, such as light fluctuations, temperature, relative humidity, air quality, web flutter and batch-to-batch substrate variations.

Last year, three systems were installed on SMI's production lines: two systems on the water-based coating lines and one on the hot melt coating line.

All of SMI's installations are backed by NDC Technologies' dedicated worldwide customer service organization, available 24/7 via the myNDC service cloud.

REALIZING THE RETURN ON VALUE

Since the initial investment of the measurement systems, SMI has realized numerous benefits such as enhancing productivity, reducing scrap, lowering change-over time, eliminating over - and under- coat weight situations, minimizing the dependency on operators and their skills, eliminating the need for manual sampling, instilling confidence and peace of mind and producing a better product for their consumers across the globe. Furthermore, another NDC Technologies system is due to be installed in 2020.

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