



# SCODIX FOIL

Scodix Foil - unmatched foil enhancement capabilities, including high gloss, embossed and a range of densities via an innovative and reliable digital process.

Today, print houses must outsource foil applications or deploy costly, time-consuming, make-ready processes. This includes molds and dies, and converters for high-end short runs. Scodix Foil conveniently brings the process in-house, resulting in a controlled, efficient and cost-saving procedure.

Scodix Foil deploys a wide range of hot and cold industry standard foil films, coupled with a variety of substrates, including offset, digital, plastics, laminated/non-laminated, coated and without coating. Applications include business/greeting cards, folders, book covers, brochures, labels, packaging and more.

Enhance Your  
Competitive Edge



Scodix  
Foil



Scodix  
Sense



Scodix  
Spot



Scodix  
Braille



Scodix  
Metallic



Scodix  
VDP/VDE



Scodix  
Glitter



Scodix  
Crystal



Scodix  
Cast&Cure

## FEATURES

Based on the proprietary Scodix Ultra Pro platform, Scodix Foil provides a host of innovative, patented technologies:

**RSP™ (Rotate Scale Position)** – Patent technology based on 4 CCD cameras and sophisticated algorithms for optimal registration

**PAS™ (Pin Activate Secure)** – Unique and patented foil process using the PolySENSE 500™ polymer to enable ultra-fine details as well as large surfaces with a wide variety of foils on a range of substrates

**Transfer Capabilities** – Achieved in conjunction with Compact Foilers, the market leader in foil transfer units; synergy between the companies results in flawless, robust, high-yield production with significant foil savings

## BENEFITS

**Cost-Effective** – Replaces the conventional analog method, eliminating the need for dies, plates, molds and other costly materials; make-ready costs result in a breakeven point of over 9,000 sheets – incomparable cost-savings for short to medium runs

**High Quality** – Scodix unique patented technologies, the PAS™, RSP™ and transfer process deliver superior foil enhancement print with ultra-fine details, high gloss, surface coverage and perfect registration; high-end print quality is achieved via a robust and reliable automatic process with a high production yield

**Digital** – Quick, efficient, environmentally “green” and easy-to-use process provides customers with fast turnaround time to meet and exceed their needs

**In-House** – Manage and control your foil enhancement applications, profit from rapid time to market response, be independent from 3rd party suppliers and keep your print jobs confidential by not exposing them to other PSPs

**VDP/VDE (Variable Data Print/Enhancement)** – Capabilities that enable personalization with foil

## TECHNICAL SPECIFICATIONS

Foil technology	Digital in-line with Scodix PAS™ foil technology
Foil roll width (min/max)	50-500 mm / 1.97-19.68 in
Foil roll size	Diameter: max 30 cm; Length: max 2,000 m; Core: 77 mm / 3 in
Max number of simultaneous rolls	Up to 4 rolls
Polymer layer thickness	From 35 up to 75 microns
Substrate weight	135-675 gsm / 6-30 points
Substrate thickness	Up to 700 microns
Foil polymer	PolySENSE 500™ clear polymer
Foil film type*	Wide variety of industry standard hot/cold foil films
Substrates**	Offset, digital, plastics, laminated and coated substrates
Resolution	Up to 2,540 x 450 DPI
Variable Data Enhancement (VDP)	PDF, optimized PDF, barcode system (optional)
Scodix RSP™ technology	4 CCD camera system, RSP™ algorithm, automatic positioning, ±100 micron image to image registration
Substrate loading sizes	Min - L297 x W420 mm / 11.7 x 16.5 in Max - L545 x W788 mm / 21.5 x 31 in
Printing image size	Max - L748 x W504 mm / 29.4 x 19.8 in
Foil station dimensions (L x H x W)	1660 x 1448 x 1979 mm / 65.3 x 57 x 77.9 in
Press with station dimensions (L x H x W)	7880 x 1790 x 1979 mm / 310.2 x 70.4 x 77.9 in
Station weight (net)	900 kg / 1,984 lbs
Press weight (net)	4,400 kg / 9,700 lbs

\* Based on Scodix Recommended Foil List (RFL) for foil

\*\* Based on Scodix Recommended Media List (RML) for foil where surface tension should be within range of 36-44 dyne/cm