Scodix Ultra Digital Enhancement Press - Product Specification

	Scodix Ultra 1000	Scodix Ultra 2000	Scodix Ultra 3000	Scodix Ultra 4000	Scodix Ultra 5000	Scodix Ultra 6000
Segments	Commercial & Specialty		Web 2 Print		Packaging	
Description	Best in Class	9 Applications	Web 2 Print	Web 2 Pack	B2 Packaging	Ultimate B1
Technology	UV "Fixed Array" inkjet print-heads, Scodix RSP™ (Rotate, Scale, Positioning) technology, Scodix Foil™, PAS™ (Pin, Activate, Secure) technology					
Media Handling	Scodix Twin-Tray™ technology (TT)					
Print Resolution	Up to 2,540 x 450 DPI					
Data Format	PDF, Optimized PDF					
Paper Format	Max:788x545 mm/31x21.5 in Min:420x297 mm/16.5x11.7 in		Max:800x600 mm/31.5x23.6 in Min:420x297 mm/16.5x11.7 in			Max:1060x760 mm/41.7x30 in Min:420x297 mm/16.5x11.7 in
Image Format	748 x 504 mm / 29.5x 19.8 in					1000 x 700 mm / 39.3 x 27.5 in
Productivity	Up to 1,250 SPH					Up to 1,250 SPH
Feeder	Industrial, up to 2,000	Industrial, up to 2,000	Industrial, up to 2,000	Pallet, up to 4,000	Pallet, up to 4,000	Pallet, up to 4,000
Stacker (135gsm)	Shelf, up to 300	Industrial, up to 1,500	Shelf, up to 300	Pallet, up to 2,300	Pallet, up to2,300	Pallet, up to 2,300
Scodix Studio SW	No	No	Scodix Studio W2P	Scodix Studio W2P	No	Scodix Studio Station
Paper weights	135 - 675 gsm / 6 - 30 points					
Paper Thickness	up to 0.7 mm / 700 micron			up to 2 mm / 2,000 micron		
Polymer System	1 Bottle					
Polymers	Single from range	All	Single from range	All	All	All
Polymer Switch	No	Automatic	No	Automatic	Automatic	Automatic
Compatibility	Offset, HP Indigo ElectroInk, Lamination, Toner					
App. Included *	S,F,M,G,SP	S,F,M,G,SP	S,F,M,G,SP,VDE	S,F,M,G,SP,VDE	S,F,M,G,SP	S,F,M,G,SP, C&C, BR, CR
App. Optional *	VDE,C&C	VDE,C&C,BR,CR	C&C, BR, CR	C&C,BR,CR	VDE,BR,C&C,CR	VDE

* S=Sense, F=Foil, M=Metallic, G=Glitter, SP=SPOT, CR=Crystal, BR=Braille, VDE=Barcode, C&C=Cast&Cure

Scodix Polymer Cost Per Sheet

		Coverage: 3%			Coverage: 5%		
Print Mode		B1	B2	A3	B1	B2	A3
PS-500	Foil 40	€0.068	€0.033	€0.011	€0.11	€0.057	€0.020
Spot 80	Spot 5	€0.006	€0.002	€0.001	€0.01	€0.004	€0.002

Based on Scodix Ex Works IL price- PS500: 84€/Kg.; Spot 80: 69€/Kg.

- **1,111** B1 sheets can be printed with 1kg. of **PS500** in print mode **Sense 40** and **3%** coverage (0.9 gram per sheet).
- **10,870** B2 sheets can be printed with 1kg of **Spot80** in print mode **Spot-5** and **3%** coverage. (0.09gr per sheet)

Scodix Polymers & Applications

Polymer	Substrate Types	Scodix Applications
PS550	Offset, Digital, Lamination	Scodix Sense™, Scodix Foil™ Food Packaging Compatible
PS520	Offset, Digital, Lamination	Scodix Foil™ - Flat
PS500	Offset, Digital, Lamination	Scodix Sense™, Scodix Foil™
PS350	Toner base, Xerox, Lamination	Scodix Foil™
PS300	Toner base, Xerox, Lamination	Scodix Sense™
PS100	Offset, Digital, Lamination	Scodix Sense™
Spot 80	Offset, Lamination	Scodix Spot™ - 5-25µ

Scodix Ultra 1000's Series - Options

Scodix VDE™ : Barcode Reader	**Scodix Braille™**
Scodix Cast&Cure™	**Scodix Crystal™**
Scodix Studio Packages (Station, W2P, Customized W2P)	

* Based on Scodix Recommended Foil List (RFL) and Recommended Substrate List (RML) for foil where surface tension should be within range of 36-44 dyne/cm. Print results may very between print modes, and appearance may be different based on substrates surface tension and quality.

Scodix Ultra Print Modes*

App.	Poly.	Print Mode	Throughput SPH		Layer Thick. (µm)
			Ultra 1000-5000	Ultra 6000	
Sense	PS100	Sense 50	1,200	1,000	50
		Sense 70	900	750	70
		Sense 100	700	550	100
		Braille	450	400	250
Spot	Spot80	Spot 5	1,250	1,150	<5
		Spot 8	1,250	1,150	8
		Spot 15	1,250	1,150	15
		Spot 25	900	750	25
Flat Foil	PS520	Foil 10	1,250	1,250	10
		Foil 15	1,250	1,150	15
		Foil 20	1,050	1,100	20
		Foil 25	900	750	25
Foil/Sense	PS500, PS550	Foil 18	1,250	1,100	20
		Foil 30	950	800	25
		Foil 40	1,250	1,200	40
		Foil 50	1,200	1,000	50
		Foil 60	950	750	60
		Foil 80	700	600	80
		Foil 90	700	600	90
Sense (T)	PS300	Sense 70T	900	750	70
Foil (T)	PS350	Foil 60T	900	750	60
		Foil 80T	700	600	95

Scodix Technology Advantages

- Scodix RSP™ (Rotate, Scale, Position), perfect registration from the 1st page
- Scodix ARP™ (Automatic Registration Process) – 3 registration methods – OPA dots, CMYK elements, corners
- Scodix PAS™ - (Pin, Activate, Secure) a patented Scodix process for applying foil
- Scodix Studio Station – External RIP. accelerated job processing, continuous printing as processing occurs in parallel to press operations
- Scodix Studio W2P - Software and hardware package for web-to-print customers
- Scodix Studio W2P Customized - Software and hardware package for web-to-print customers, wanting unique automation integration
- Scodix VDP / VDE™ - Variable Data Enhancement using Barcode – Digital, inhouse solution
- Scodix High Impact - 250 micron
- Scodix Sustainability - A clean, green process – Recyclable, no VOC, no plates, no molds, no solvents, minimum make-ready …
- Unique heatless foil process which does not damage plastic media, sensitive substrates, inks
- Applicable with a variety of WW foil manufacturers
- Scodix 99 GU (Gloss Units)
- Scodix Variable Density - 1-100%
- Best-in-class performance

Feature	Scodix Studio Job Estimator	Scodix Studio Station	Scodix Studio W2P	Scodix Studio W2P Customized
Job Cost Estimation	✓			
Multi Page PDF Support	✓	✓	✓	✓
External RIP		✓	✓	✓
Support Scodix VDE™		✓	✓	✓
Support Scodix Barcode		✓	✓	✓
Scodix ARP™ – Corners		✓		
Scodix ARP™ – CMYK objects		✓		
Automatic Workflow			✓	✓
Communication via API				✓
Multi Press Support				✓
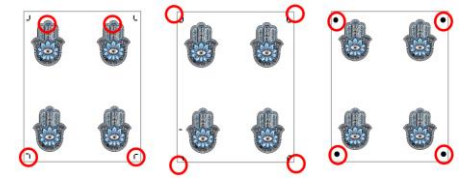
Scodix Advantages vs. Competition

- Scodix Ultra 1000's series - Segmented product portfolio
- Reliable and credible industrial production presses
- Multiple polymer platform providing solutions for wide range of substrates and applications
- Registration - 4 CCD cameras, Scodix RSP™, Scodix ARP™ with 3 registration options
- Substrate Handling - Scodix Twin-Tray™ Technology, linear encoder
- Over 400 Presses installed WW
- Scodix company is 100% focused on digital enhancement
- Polymer thickness - up to 250 microns in 1-pass
- Market leaders selected Scodix