



DuPont™ Cyrel® Solutions – Americas

DuPont™ Cyrel® offers a broad range of flexographic solutions that optimize the quality, productivity and sustainability for printers/converters and tradeshops.



Flexography delivered

The Right Product for Every Packaging Application

DuPont Cyrel® offers a plate for every kind of flexographic printing for all flexographic printing applications, regardless of the substrate, design or complexity of your package. Cyrel® is known for its detailed graphics, high impact colors and speed-to-market capabilities that empower your brand.

Key Industry segments:



Flexible Packaging

We have a broad range plate offering for Flexible Packaging, where printing with Cyrel® plates will consistently give your package “sell on the shelf graphics”.



Tag and Label

We offer a wide variety of plates that will take care of all of your tag and label application. You can successfully print with UV inks to make your labels more vibrant on-shelf.



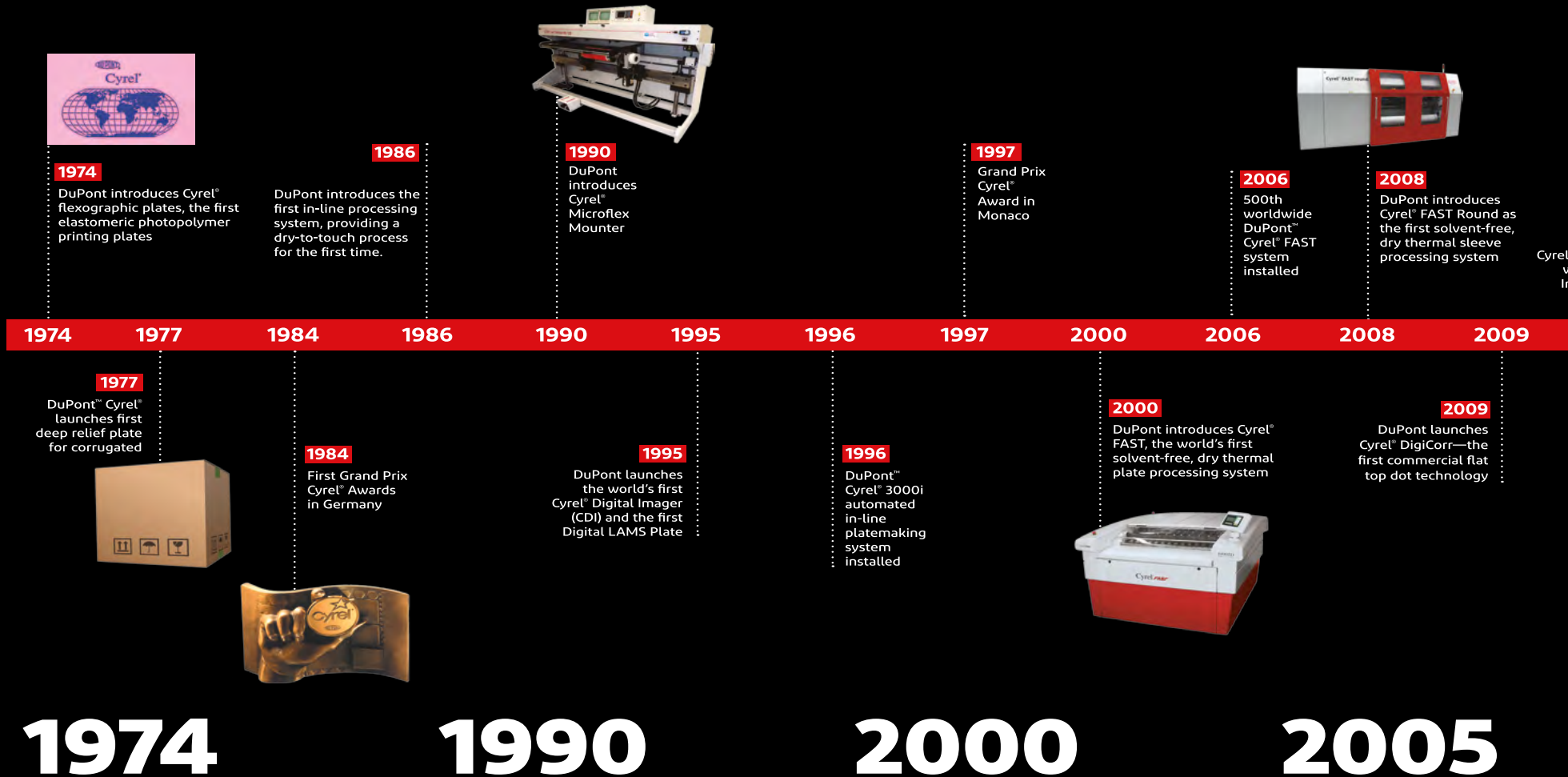
Corrugated

From bar codes on shipping boxes that scan right every time, to high impact graphics on point of purchase displays, our plates enable high-quality printing on corrugated substrates.

Folding Carton

Cyrel® plates for Beverage and Folding carton printing fulfilling the requirements for consistent quality and high volume jobs on demanding substrates and with waterbased or UV inks. Our compatibility with UV inks gives you brilliant colors which makes your designs pop.

DuPont is committed to bringing new flexography innovation and solutions to the industry.





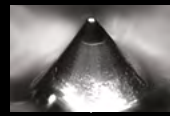
2010
DuPont™
DigiCorr
wins FPPA
Innovation
Award

2010 2012 2013 2014 2015 2016 2018 2019 2021 2022 2023



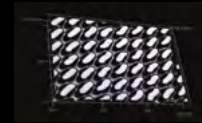
2013

DuPont launches
Cyrel® Performance
Plates (DSP/DFP)



2015

DuPont
Introduces Cyrel®
EASY with built-in
flat top dot plate
technology

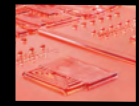


2016

Cyrel®
EASY EPC for
Corrugated
Introduced



Cyrel® FAST
3000 TD



2021

Cyrel®
EASY R

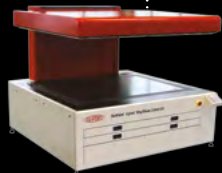


2022

Cyrel® Lightning
wins the FTA
Technical Innovation
Award Winner

2012

DuPont launches
Cyrel® DigiFlow flat
top dot workflow



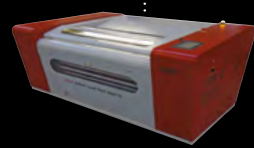
2014

DuPont launches
Cyrel® FAST
DFUV Plate and
Cyrel® FAST
3000 TD



2016

DuPont
launches
Cyrel® FAST
2000 TD



2019

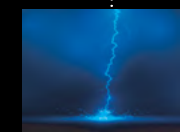
DuPont launches
Cyrel® DLC, an
innovative, soft digital
plate developed
especially for the
corrugated market

Cyrel® Lightning
LSH Plate



2023

Cyrel® Lightning
LFH Plate



2010

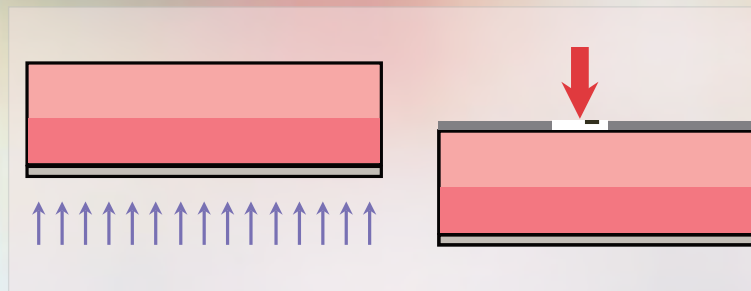
2015

2020

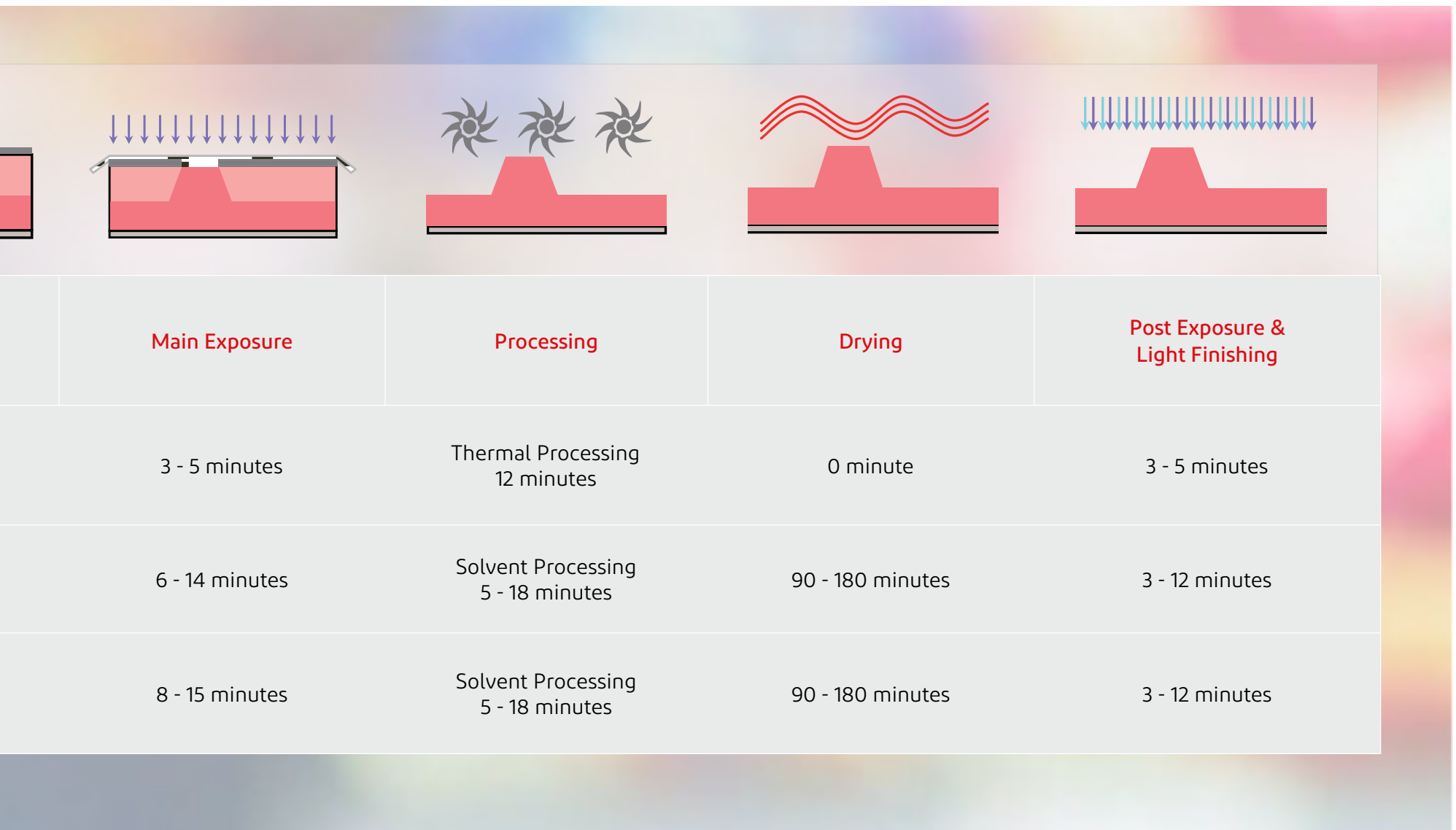
Platemaking workflows

At DuPont, we understand the challenges you face. That's why we offer a vast array of Cyrel® flexographic platemaking solutions that address your needs for productivity and quality.

*examples based on most popular thermal and solvent thin plates



		Average Time	Back Exposure	Digital Imaging
Cyrel® FAST Digital		50 minutes	1 minute	15 - 24 minutes
Cyrel® Digital		180 minutes	1 - 5 min	15 - 24 minutes
Cyrel® Analog		160 minutes	1 - 5 min	-



FAST Thermal

DuPont™ Cyrel® FAST technology brings your package to life, faster, cleaner and more reliably. We turn complicated operations into solutions and we work to make your business more efficient, robust and sustainable.

Smaller runs, faster turnarounds, minimizing environmental footprints and printing on new substrates are all possible with DuPont™ Cyrel® FAST.

Cyrel® FAST enabling what's next.



Faster processing

Cyrel® FAST thermal workflow is a complete hardware and consumable solution, enabling improved process control, product quality and consistency and up to a 75% reduction in plate-production time.



Smaller footprint

Cyrel® FAST thermal workflow features the smallest environmental footprint available today, reducing greenhouse gases by 53% and enabling a 63% reduction in non-renewable energy consumption.



Lower Costs

Cyrel® FAST thermal workflow can help save money and materials, reducing plate consumption by up to 15% compared to conventional methods and reducing waste-treatment and disposal costs thanks to the solvent-free process.



Improved Performance

Cyrel® FAST thermal workflow improves productivity by enabling faster setup times, higher press speeds and longer life of the print form.



Plate Portfolio

DuPont™ Cyrel®		Cyrel® FAST (Thermal) Plates											
		EFX	EFE	EFXQ	EFXR	EFER	DFUV	DFR	DFM	FDT	ESX	ESE	ESXR
Applications	Flexible Packaging	•	•	•	•	•		•	•	•	•	•	•
	Tag & Label	•	•	•	•	•	•	•	•	•	•	•	•
	Folding Carton	•		•	•			•	•	•	•		•
	Corrugated Post Print												
	Corrugated Pre Print/Paper	•		•	•			•	•		•		•
	Beverage Carton	•		•	•			•	•	•	•		•
Inks	UV	•	•	•	•	•	•	•	•	•	•	•	•
	Solvent	•	•	•	•	•	•	•	•	•	•	•	•
	Water	•	•	•	•	•	•	•	•	•	•	•	•
Dot Profile	Round Top Dot						•	•	•				
	Flat Top Dot	•	•	•	•	•				Analog	•	•	•
Durometer (ShA)	0.045 0.067 0.100 0.107 (1.14 1.70 2.54 2.72mm)	74-76 65-67 58-60 58-60	74-76 65-67 58-60 58-60	72-74 - - -	79-81 70-73 - -	79-81 70-73 - -	76 73 - -	78-80 70-72 - 64-66	70 58 48 48	76 68 55 -	74-76 65- 67 58-60 -	74-76 63- 65 58-60 -	79-81 70-73 - -
	0.112 0.125 0.155 0.170 (2.84 3.18 3.94 4.32mm)	53-55 - - -	53-55 - - -	53-55 - - -	- - - -	- - - -	- - - -	- - - -	48 - - -	54 - - -	53-55 - - -	53-55 - - -	- - - -
	0.185 0.197 0.217 0.237 0.250 (4.70 5.00 5.51 6.02 6.35mm)	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -

Cyrel® Digital Solvent Plates											Cyrel® Analog Solvent Plates			Cyrel® Lightning Plates	
ESER	EPR2	ESP2	ESM	LSH	DPR	DPL	EPC	DPC	DEC	DLC	NOWS	DRC	ALC	LSH	LFH
•	•	•	•	•	•	•					•			•	•
•	•	•	•	•	•	•					•			•	•
	•		•	•	•	•								•	•
							•	•	•	•		•	•		
	•		•	•	•	•					•	•		•	•
	•		•	•	•	•					•			•	•
•	•		•	•	•	•					•			•	•
•	•	•	•	•	•	•					•			•	•
•	•		•	•	•	•	•	•	•	•	•	•	•	•	•
				•	•	•		•	•	•				•	•
•	•	•	•				•				Analog	Analog	Analog		
79-81 70-73 - -	78-80 72-74 - -	76-78 70- 72 - -	71 63 56 -	75 68 - -	76 69 - -	70 58 - 48	- - - -	- - - -	- - - -	- - - -	76 68 55 55	- - - -	- - - -	0.045 0.067 (1.14 1.70mm)	0.045 0.067 (1.14 1.70mm)
- - - -	- - - -	- - - -	55 - - -	- - - -	- - - -	48 - - -	37 37 36 -	38 37 36 -	38 37 36 36	31 30 28 28	54 52 - -	- 38 37 36	- - 28 -	75 68	74 66
- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	35 - - - 34	- - - - - 35	36 36 36 36 36		- - - - -	36 36 35 35 34	27 - - - 25	- -	- -

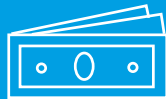
EASY Platform

With built-in flat top dots, the EASY plate platform was developed for customers who want to process a plate in a simplified workflow, while enabling print on a wide variety of substrates, all with optimum quality in highlights, solids and smooth vignettes.



Productivity

- Simplified workflow (no lamination)
- Consistency
- Quickly comes up to color
- Reduced errors – Reduced rework
- Impression latitude
- Plate-to-plate consistency in producing flat top dots



Cost Savings

- No need to invest in nitrogen exposure unit, special exposure technology or lamination equipment to get flat top dots



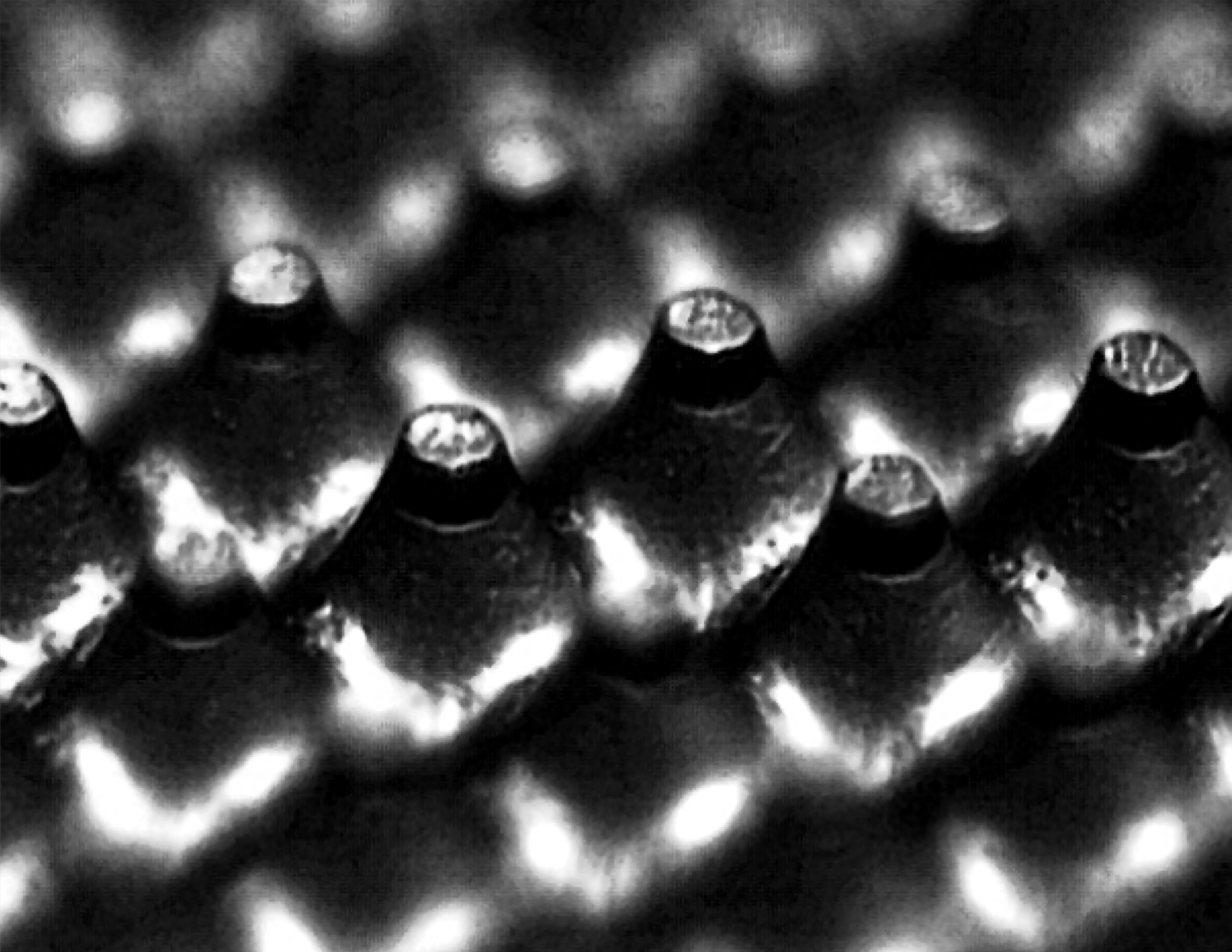
Quality

- High ink transfer and color saturation
- Improved mid-tones and highlights
- Print quality consistency throughout a run and from run-to-run



Press Performance

- Print consistency across multiple press locations
- Improved Solid ink density with excellent fade to zero
- Higher press speeds
- High durability on press



EASY BRITE Screens

Change how you see white.

A bright white takes the right combination of opacity, low mottle and low graininess. Cyrel® EASY BRITE Screens help deliver a superior white by balancing opacity, mottle and graininess.

To help printers identify the optimal point, DuPont developed the EASY BRITE Index™, a multidimensional measurement that combines opacity, mottle and graininess into a single number. The higher the index, the better your white. It's that EASY.



Higher Productivity

- Higher print quality
- More uniform ink laydown
- Eliminates trail edge void
- Improves opacity, reduces graininess and reduces mottle



Greater savings

- Use lower-volume aniloxes
- Run higher press speeds
- Eliminate need for a specific white plate graininess and reduces mottle



EASY setup

- Works with existing setups
- Available for Pixel+ and Non-Pixel+ configurations
- No hardware to purchase



Cloud based solution

- Available in the cloud
- In various resolutions - 2540 and 4000 dpi



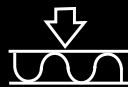
Cyrel[®] DLC

Make corrugated your canvas.

Cyrel[®] DLC plates for corrugated printing provide consistently impressive quality and head-turning results in flexographic applications.



**Greater impression latitude
to achieve uniformly
higher SID**



**Reduced edge crush
on corrugated board**



**Better ink laydown
resulting in better
overall print quality
with minimal fluting**



**Uniform plate
thickness**



Cyrel[®] Lightning Flexo Plates optimized for UV LED exposure

DuPont[™] Cyrel[®] Lightning LSH
Solvent Workflow



Up to 42%
higher productivity*



Improved plate
and print quality

*comparing LSH67 and DPR67

DuPont[™] Cyrel[®] Lightning LFH
Thermal Workflow



Quick Access Time



Cyrel[®] Fast Plate: Solvent Free



Precision and Consistency



DARE TO PRINT WITH

Lightning



DUPONT Cyrel Lightning LSH

1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30
31	32	33	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48	49	50
51	52	53	54	55	56	57	58	59	60
61	62	63	64	65	66	67	68	69	70
71	72	73	74	75	76	77	78	79	80
81	82	83	84	85	86	87	88	89	90
91	92	93	94	95	96	97	98	99	100

Color calibration patches and technical specifications.

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A global presence that is close to our customers

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