Τελευταία ανανέωση υλικού: November/23

Catena E80

Σύντομη περιγραφή:

Προϊοντικό φυλλάδιο μηχανήματος για την παραγωγή φωτοπολυμερικών πλακών (Catena-E 80)

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INNVESTIO

Business Unit:

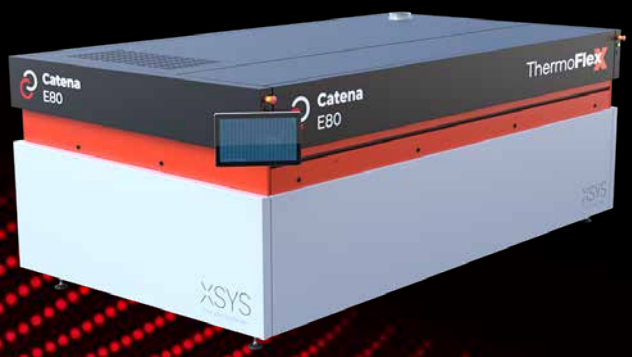
PPS (Prepress & Press Solutions)

ThermoFlexX

Catena E80

Catena-E 80

LED exposure for flexo plates



Full In-line Automation

+ Catena-E 80 can be added to existing or new ThermoFlexX 80 or 60 imaging systems. The unique Rover plate moving system and bridge are required to provide fully automatic imaging and exposure. After removing the cover sheet, no plate handling is necessary until the exposed plate is available for wash-out. Labour and plate waste (damage) are saved by avoiding operator intervention through the most sensitive stages of the flexo plate making process.

Controlled Enclosed Environment

+ Catena-E systems feature an automatic cover to keep dust away from the plate. Catena-E has a fully controlled internal environment with air conditioning, air extraction and flow to ensure truly consistent exposures from plate to plate, year to year.

Highest Quality Flat-Top-Dot Plates

+ ThermoFlexX Catena-E uses latest technology high-power LED's to eliminate oxygen effects in flexo plate making. Catena-E provides precise image reproduction and fine relief elements for the highest possible flexo print quality. Perfect for imaging the finest Surface Micro Structures such as Woodpecker Nano.

OPEN, Choose How You Use Catena-E

+ Catena-E presents the opportunity for total optimisation of main and back plate exposure. Users can choose to have a XSYS technician finalise and secure settings for the easiest of operation. Or, with training, experienced users can fine tune their own parameters to add value through their own expertise. YOU'RE THE DRIVER!

Built For Serviceability

+ Should LED replacement be found necessary, modules are reasonably priced and easy to replace with basic training. This ensures the highest possible levels of exposure consistency coupled with low cost of ownership. Catena-E features comprehensive remote support capabilities.

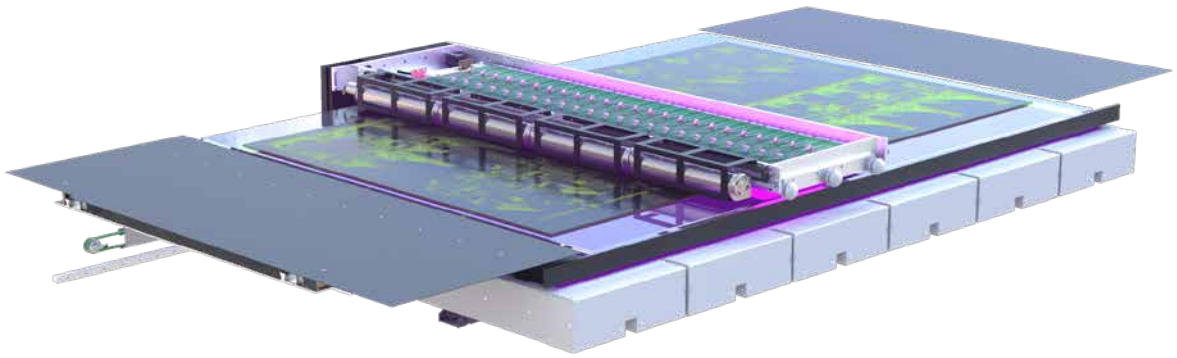
Fast Exposures For All Plates

+ Powerful LEDs and full coverage back exposure ensure that Catena-E is fast enough to keep pace with TFxX80D, the most productive LAMs imager available today, even for the thickest plates.

XSYS

Print solid. Stay flexible.

Catena E80



Super Stable Long-life LEDs

+ Extremely stable LEDs are used. They are fully tested to 10,000 operating hours and beyond. The LED's are instantaneously stable, thus no warm-up time is necessary.

Auto LED Integrity Check Ensures Consistency

+ Both main and back exposure LED outputs are checked for consistent output. This can also be done remotely, enhancing support capability.

Technical Data	Catena-E 80
Maximum plate size (W x L) (mm/inch)	1270 x 2032mm/50 x 80"
Electrical connection	380V 3ø N+PE 50 / 60Hz 25A
UVA-LED	Main: Traversing 24 UV LED modules Back: Full coverage 24 UV LED modules
Extraction	Connection diameter 160 mm 600 m^3/h flow
Maximum Plate thickness (mm/inch)	7mm/0.276"
Weight	1500kg/3300lbs
Dimensions (W x D x H) (mm/inch)	3550mm, 140"/1960mm, 77"/ 1350mm, 53" 2000mm, 79" lid open
Crate dimensions (W x D x H) (mm/inch)	3800mm, 150"/2210mm, 87"/ 1600mm, 63"

Please contact us for additional information.

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SILVER 2022 ecovadis Sustainability Rating

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Print solid. Stay flexible.

01-2022

FlatTopDot

nyloflex® FTV Digital

Fine highlights and brilliant solids regardless of your exposure technology

- Hard photopolymer flexo plate with inherent flat top dots
- LED optimized plate formulation.
- Developed for the high end flexible packaging market.
- Smooth plate surface is able to hold all customized surface screening patterns (e.g. Pixel+ and Woodpecker Sharp or Nano)

Exceptional print quality

- Print the finest stable highlights - down to 0.8% at 60 L/cm*
- Ideal for extended gamut thanks to consistent plate quality
- Consistent maximum color gamut achievable thanks to fine highlights and high solid ink density.

* LED exposed with Catena-E

Reduce operating cost

- Reduce cost, save time – no additional equipment or consumables required, fits in your existing digital plate making workflow.
- Reduce your ink consumption thanks to optimum solid ink density and improved ink laydown achieved through surface screening.
- Longer durability thanks to less plate swelling on press.

Improve productivity and consistency

- Less press downtime – no ink fill in thanks to the optimized plate formulation.
- Consistent data transfer and repeatability thanks to 1-1 copy
- Fast LED exposure times.

Be
Brilliant.

XSYS
Print solid. Stay flexible.

nyloflex® FTV Digital

The nyloflex® FTV Digital is a LED optimized inherent flat top dot plate for the high-end flexible packaging market.

Technical characteristics	nyloflex® FTV 114 Digital	nyloflex® FTV 170 Digital
Color of raw plate	light blue	light blue
Total thickness (mm) (inch)[1]	1.14 (0.045")	1.70 (0.067")
Plate hardness (micro Shore A)	67	67
Finished plate hardness (Shore A)	80	73
Recommended relief depth (mm)	0.5 - 0.7	0.6 - 0.9
First stable dot on plate (%)	1.2	1.2
Measured dot size first stable dot (%)	0.8	0.8
Fine line width (down to µm)	20	20
Isolated dot diameter (down to µm)	100	100

Processing parameters[2]		
Back exposure (s)	26 - 14	53 - 32
Main exposure (min)	8	8
Washout speed (mm/min)	205 - 270	180 - 250
Drying time at 60°C / 140°F (h)	2	2
Post exposure UV-A (min)	8	8
Light finishing UV-C (min)[3]	2	2
Laser intensity (J/cm²)	Same as for standard nyloflex® digital plates	

Processing information	
Suitable equipment	The nyloflex® FTV can be processed with nyloflex® processing equipment and all similar devices and can be used with all laser systems suitable for imaging flexo printing plates.
Printing inks	Suitable for all solvent based and UV inks (ethyl acetate content preferably below 15%, ketone content preferably below 5 %).
Washout solvents	Especially good results are achieved with nylosolv® washout solvents. nylosolv® can be distilled and reused.
Processing information	A detailed description of the imaging, exposure and finishing steps, as well as detailed information about handling and storing, can be found in the nyloflex® User Guide.
High quality standard	nyloflex® printing plates are manufactured according to DIN ISO 9001, DIN ISO 14001 and DIN ISO 50001 standards and requirements. This process guarantees our customers consistent high quality products and services.

1) Standard thicknesses currently available – subject to change 2) All processing parameters depend on, among other things, the processing equipment, lamp age and the type of washout solvent. A minimum exposure intensity of ≥ 17 mW/cm² is recommended. The above mentioned processing times were established under optimum conditions on nyloflex® processing equipment and using nylosolv® washout solvents. Under other conditions the processing times can differ from these; therefore, the above mentioned values are only to be used as a guide. 3) Depending on longevity of the tubes. 4) Suitability with UV inks is dependant on the ink type and temperature – these factors could affect the performance of the plate and consistency of the print.

Please contact us for additional information.

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