

Catena-E 80 T

Exposing system for flexo plates



Highest Quality Flat-Top-Dot Plates

- + ThermoFlexX Catena-E 80 T uses latest technology high-power LED's for the main exposure process in order to eliminate oxygen effects in flexo plate making. The back exposing process is done by means of well proven UVA tubes. 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.

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.

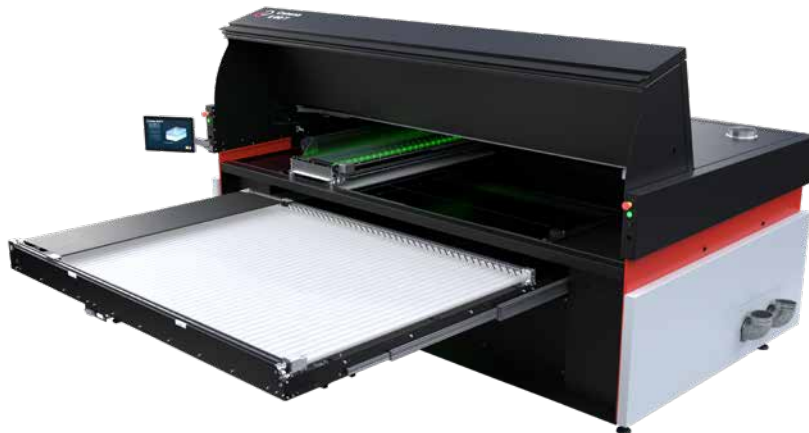
Full In-line Automation

- + Catena-E 80 T 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.

Fast Exposures For All Plates

- + Powerful LED's, for the main exposure, and full coverage UVA tubes for back exposure, ensure that Catena-E is fast enough to keep pace with our TFX80-D, the most productive LAMs imager available today, even for the thickest plates.

Catena E 80 T

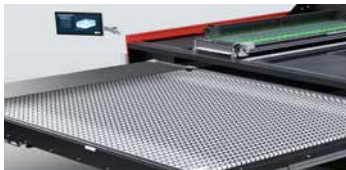


Super Stable Long-life LEDs

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

Uniform UVA light distribution

- + The patented light distribution system results in unmatched back exposure uniformity.



LED & UVA tubes Quality Check Ensures Consistency

- + Main exposure LED's output and individual back exposure UVA tubes are checked during startup in order to guarantee consistent output. This can also be done remotely, enhancing support capability.

Advanced UVA light barrier

- + A dual motor driven shutter avoids light reflections during warm-up of the UVA tubes, just before the back exposing process.

Technical Data

Catena-E 80 T

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 45 UVA tubes
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"

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