

# 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.

## 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.

## 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.

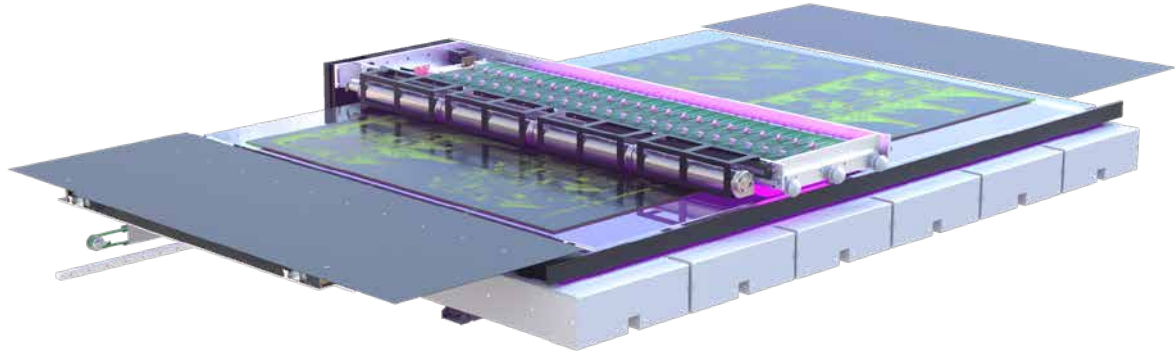
## OPEN, Choose How You Use Catena-E

- + 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!

## 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.

# 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 <sup>3</sup> /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.

info@xsyglobal.com • www.xsyglobal.com

The aim of our technical documents is to inform and advise our customers. The information provided herein is correct to the best of XSYS's knowledge. No liability for any errors, facts or opinions is accepted. Customers must satisfy themselves as to the suitability of this product for their application. No responsibility for any loss as a result of any person placing reliance on any material contained herein will be accepted. Product names followed by ® are trademarks registered by XSYS Germany GmbH and/or its affiliates.



# XSYS

Print solid. Stay flexible.

01-2022