



# nyloflex<sup>®</sup> NExT Exposure FV

High-intensity UV-A LED exposure for Flat Top Dots and Surface Screening

**NEW &  
INNOVATIVE**

Wide web format, suitable for processing high quality photopolymer plates up to a maximum size of 1320 x 2032 mm (52.0" x 80.0")

## Premium plate quality due to improved reproduction

- high performance exposure technology for precise image reproduction, finest relief elements and highest print quality
- innovative combination of latest generation UV-A LEDs with high output UV-A tubes
- offers all benefits of flat top dots & surface screening
  - virtual 1:1 copy of the digital data
  - tremendous improvement of ink transfer and laydown in solids, up to 25 %
  - extended gamut

## Highest level of production consistency

- high-intensity UV-A LEDs (>800 mW/cm<sup>2</sup>) for highest productivity
- low dot gain tolerances ensure stable print quality due to low impression sensitivity of Flat Top Dots
- constant output of UV-A LEDs results in highest long-term repeatability, especially for rework
- temperature control of exposure bed to ensure uniform production conditions

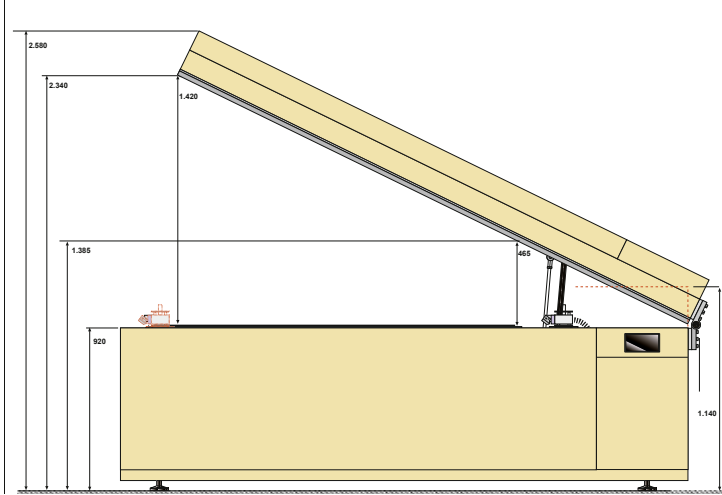
## Easy integration in workflow – no additional consumables required

- easy implementation into existing digital workflow
- requires no additional processing steps or consumables (no lamination, no film, no inert gas), thus avoiding additional risks and extra costs
- compatible with all standard prepress software and HD Flexo
- flexible solution – typical digital dots (round top) can be achieved by the use of the UV-A tubes only
- suitable for all standard digital plates – any type, format and thickness

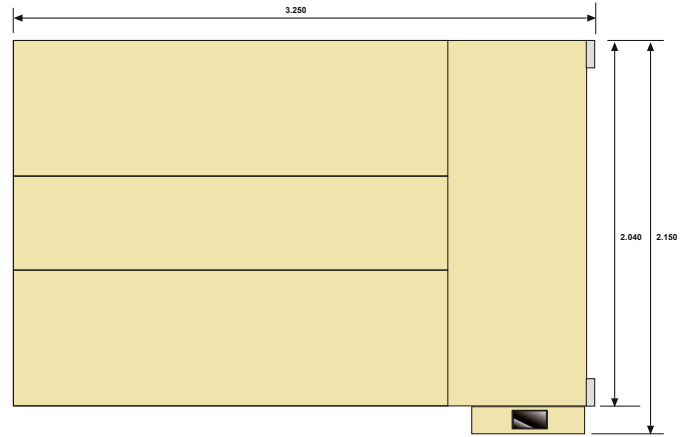
# nyloflex® NExT Exposure FV

## Equipment dimensions

Side view



Top view



Technical data		nyloflex® Exposure FV
<b>Maximum plate size (W x L)</b>		<b>1320 mm x 2032 mm (52.0" x 80.0")</b>
<b>Electrical connection</b>	<b>Exposure:</b>	<b>400 V, 50 Hz (3 Ph/N/PE)</b>
	<b>Cooling Unit:</b>	<b>230 V, 50/60 Hz (1 Ph/N/PE)</b>
<b>Nominal current</b>		<b>12 A / 8 A (Exposure/Cooling Unit)</b>
<b>Nominal power</b>		<b>14.0 kW / 1.8 kW (Exposure/Cooling Unit)</b>
<b>Compressed air</b>		<b>8 mm, min. 7 bar (0.31", 102 PSI), 4000 l/h</b>
<b>UV-A LED bar</b>		<b>12 UV-LED modules x 114 mm</b>
<b>UV-A tubes</b>		<b>48 pcs., TL 100 W 10R (UV-A), 1764 mm (69.5")</b>
<b>Weight (approx. net/gross) per box</b>	<b>Exposure:</b>	<b>1130/2000 kg (2491/4409 lbs)</b>
	<b>Cooling Unit:</b>	<b>110/150 kg (243/331 lbs)</b>
	<b>(for 60 Hz) Transformer:</b>	<b>75/111 kg (165/245 lbs)</b>
<b>Crate dimensions (W x D x H) per box</b>	<b>Exposure:</b>	<b>3470 x 2370 x 1600 mm (136.6 x 93.3 x 63.0")</b>
	<b>Cooling Unit:</b>	<b>900 x 630 x 1360 mm (35.4 x 24.8 x 53.4")</b>
	<b>(for 60 Hz) Transformer:</b>	<b>630 x 670 x 970 mm (24.8 x 26.4 x 38.2")</b>
<b>Recommended ambient temp.</b>		<b>20 - 25 °C (68 - 77 °F)</b>



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