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Print solid. Stay flexible.

## **nyloflex® Plate Processing Equipment**



**Where printing meets packaging.  
Where expertise meets freedom.**

## nyloflex® plate processing equipment - overview

Standard equipment	Format			Function			
	Narrow web	Mid web	Wide web	Exposure	Washer	Dryer	Light Finisher
nyloflex® Combi F II	✓	✓		✓	✓	✓	✓
nyloflex® Combi F III		✓		✓		✓	✓
nyloflex® Digital Washer F III		✓			✓		
nyloflex® Washer F III		✓			✓		
nyloflex® Digital Processor F III IP		✓			✓		
nyloflex® Exposure F III ECLF		✓		✓			
nyloflex® Exposure F IV E		✓	✓	✓			
nyloflex® Exposure F IV ECLF		✓	✓	✓			
nyloflex® Xpress Thermal Processor F IV	✓	✓	✓				
nyloflex® Digital Processor F IV IP		✓	✓		✓		
nyloflex® Dryer F IV D	✓	✓					
nyloflex® Light Finisher F IV LF		✓					✓
nyloflex® Exposure F V E			✓	✓			

Please contact us for more information of our ThermoFlexX Catena plate processing equipment.

### F II equipment line for narrow and mid web

#### nyloflex® Combi F II

Art. XG50-0114-0201



Compact all-in-one system, includes exposure unit for back, main and post exposure, batch-washer, dryer and light finisher. Perfect for narrow and mid web applications. 24 memory channels for processing parameters and PLC control. Exposure with 19 UV-A lamps, cooled bed and airflow. Batch washer with solid content measurement and automatic solvent replenishment. Drying section includes four drawers with individual timers.

Max. plate size:	660 x 860 mm (26 x 33.9")
Dimension (WxDxH):	2500 x 1730 x 1140 mm (98.4 x 68.1 x 44.8")
Electrical:	400 V, 50/60 Hz (3 Ph/N/PE) 230 V, 50/60 Hz (3 Ph/PE)
Weight:	(approx. net): 1000 kg (2205 lbs) (approx. gross): 1270 kg (2780 lbs)
Crate dimensions approx. (WxDxH):	1910 x 2780 x 1590 mm (75.2 x 109.4 x 62.6")

## F III equipment line for mid web

	<p>Premium quality system for back, main and post exposure, drying and light finishing with automatic lid. Space saving compact design. Temperature controlled vacuum plate (integrated temperature control unit). Operating status of each tube is monitored, operating hours are recorded and defective tubes are displayed. Includes four drying drawers with individual digital timer, 24 memory programs for exposure and light finisher each, highly efficient exhaust system to prevent solvent vapour from escaping during drying.</p>	<p style="text-align: right;"><b>Art. XG50-NOC3-V1AL</b></p> <p>Max. plate size: 1200 x 920 mm (47.2 x 36.2")            Dimension (WxDxH): 1840 x 1450 x 1115 mm (72.4 x 57.1 x 43.9")            Height when lid open: 1965 mm (77.4")</p> <p>Electrical: 400 V, 50/60 Hz (3 Ph/N/PE)            230 V, 50/60 Hz (3 Ph/PE)</p> <p>Weight: (approx. net): 650 kg (1433 lbs)            (approx. gross): 950 kg (2094 lbs)</p> <p>Crate dimensions approx. (WxDxH): 1950 x 1950 x 1500 mm (76.8 x 76.8 x 59.1")</p>
	<p>Digital washer with flat and round brushes in mid-size format. Equipped with double tank which allows to separate the black layer of the digital plates from the washout solvent. Automated brush height setting for optimum brush pressure according to the plate thickness. Temperature control of the washout solvent and integrated solid content measurement.</p>	<p style="text-align: right;"><b>Art. XG50-0037-0104</b></p> <p>Max. plate size: 1020 x 1200 mm (40.1 x 47.2")            Dimension (WxDxH): 1680 x 4200 x 1190 mm (66.1 x 165.4 x 46.8")</p> <p>Electrical: 400 V, 50/60 Hz (3 Ph/N/PE)            230 V, 50/60 Hz (3 Ph/PE)</p> <p>Weight: (approx. net): 1250 kg (2756 lbs)            (approx. gross): 2030 kg (4475 lbs)</p> <p>Crate dimensions approx. (WxDxH): 4700 x 2300 x 1580 mm (185.0 x 90.6 x 62.2")</p>
	<p>Fully automated system for washing, rinsing, after-cleaning and pre-drying in the mid-size format. Optimal washout result through an integrated solid content measurement device and a solvent temperature control unit. A user-friendly touch screen makes it possible to adjust brush height and washout speed automatically to the relevant plate thickness. Including temperature control unit to control the temperature of the washout solvent.</p>	<p style="text-align: right;"><b>Art. XG50-0037-0101</b></p> <p>Max. plate size: 1020 x 1200 mm (40.1 x 47.2")            Dimension (WxDxH): 1870 x 3540 x 1120 mm (73.6 x 139.4 x 44.1")</p> <p>Electrical: 230 V, 50/60 Hz (3 Ph/PE),            400 V, 50/60 Hz (3 Ph/N/PE)</p> <p>Weight: (approx. net): 1000 kg (2204 lbs)            (approx. gross): 1780 kg (3924 lbs)</p> <p>Crate dimensions approx. (WxDxH): 4750 x 2300 x 1700 mm (187.0 x 90.6 x 66.9")</p>
	<p>Premium quality incremental processor with pre-wash section for digital layer separation. 3D brush motion system with servo driven motors automatically synchronizes the brush rotation and oscillation to the plate transfer speed, ensuring a constant and repeatable washout speed. Fresh solvent consumption control. Automatic solvent replenishment. Delivered with a stand-alone punching device. A constant solvent temperature due to water circulation coil.</p>	<p style="text-align: right;"><b>Art. XG50-0003-VOIP</b></p> <p>Max. plate size: 920 mm x 1200 mm (36 x 48")            Dimension (WxDxH): 1790 x 3730 x 1245 mm (70.5 x 146.8 x 49.0")</p> <p>Electrical: 400 V, 50/60 Hz (3 Ph/N/PE)            230 V, 50/60 Hz (3 Ph/PE)</p> <p>Weight: (approx. net): 1030 kg (2271 lbs)            (approx. gross): 1350 kg (2996 lbs)</p> <p>Crate dimensions approx. (WxDxH): 3730 x 1790 x 1245 mm (146.8 x 70.5 x 49.0")</p>

**nyloflex® Exposure F III ECLF****Art. XG50-NOC3-V1AL**

Premium quality system with combined exposure and light finisher unit with automatic lid. Compact footprint and efficient design. Cooled bed system for uniform and consistent temperature without limiting exposure times. High concentration of UVA lamps to ensure highest intensity. One drawer UVA-UVC post exposure and light finishing system. Air flow cooling system. Fiber optical to detect defective lamps.

Max. plate size: 920 x 1200 mm (36 x 48")  
 Dimension (WxDxH): 1840 x 1450 x 1115 mm (72.4 x 57.0 x 43.9")  
 Height when lid open: 1965 mm (77.4")

Electrical: 230 V, 50/60 Hz (3 Ph/PE), 400 V, 50/60 Hz (3 Ph/N/PE)

Weight: (approx. net): 650 kg (1432 lbs)  
 (approx. gross): 950 kg (2095 lbs)

Crate dimensions approx. (WxDxH): 1950 x 1950 x 1500 mm (76.7 x 76.7 x 59.0")

**F IV equipment line for mid and wide web****nyloflex® Exposure F IV E****Art. XG50-0004-V101**

Premium exposure system perfectly suitable for reproduction of high definition screens and finest images. Effective temperature control system with integrated chiller and lamp air cooling system. The lamp temperature is automatically adjusted. Optional with high power UV-A lamps. The UV-A output of the high intensity lamps increases by up to 15% compared to standard UV-A lamps.

Max. plate size: 1200 x 1600 mm (47 x 63")  
 Dimension (WxDxH): 2640 x 1740 x 1060 mm (103.9 x 68.5 x 41.7")  
 Height when lid open: 2450 mm (96.5")

Electrical: 400 V, 50/60 Hz (3 Ph/N/PE)  
 230 V, 50/60 Hz (3 Ph/PE)

Weight: (approx. net): 920 kg (2024 lbs)  
 (approx. gross): 1200 kg (2646 lbs)

Crate dimensions approx. (WxDxH): 2930 x 1930 x 1590 mm (115.3 x 75.9 x 62.5")

**nyloflex® Exposure F IV ECLF****Art. XG50-0004-V103**

Premium quality system with combined exposure and light finisher unit with automatic lid. Integrated bed chiller for uniform and consistent temperature without limiting exposure times. High concentration of UVA lamps to ensure highest intensity. One drawer UVA-UVC post exposure and light finishing system. Air flow cooling system. Fiber optical to detect defective lamps. Stores up to 24 different processing conditions.

Max. plate size: 1200 x 1600 mm (47 x 63")  
 Dimension (WxDxH): 2640 x 1740 x 1060 mm (103.9 x 68.9 x 45.7")  
 Height when lid open: 2450 mm (96.5")

Electrical: 230 V, 50/60 Hz (3 Ph/PE), 400 V, 50/60 Hz (3 Ph/N/PE)

Weight: (approx. net): 1120 kg (2840 lbs)  
 (approx. gross): 1400 kg (3086 lbs)

Crate dimensions approx. (WxDxH): 2930 x 1930 x 1590 mm (115.4 x 75.9 x 62.6")

**nyloflex® Xpress Thermal Processor F IV****Art. XG50-XTP4-I101**

Reduced operating costs - up to 88% less than competitive thermal systems, due to revolutionary IR heating technology and zoned lamp cartridges. The clever design and technology incorporated keeps maintenance to an absolute minimum, with normal uptime of 99.7%. Step-by-step, how-to animations of all processing steps and maintenance bring new platemakers up to speed in no time.

Max. plate size: 1067 x 1650 mm (47 x 63")  
 Min. plate size: 254 x 254 mm (10 x 10")

Dimension (WxDxH): 1855 x 1324 x 1740 mm (73.0" x 52.1" x 68.5")

Electrical: 400 V, 50/60 Hz (3 Ph/N/PE)  
 230 V, 50/60 Hz (3 Ph/PE)

Weight: (approx. net): 1270 kg (2800 lbs)  
 (approx. gross): 1723 kg (3800 lbs)

Crate dimensions approx. (WxDxH): 2057 x 1600 x 2057 mm (81 x 63 x 81")

**nyloflex® Digital Processor F IV IP****Art. XG50-0004-VOIP**

Premium quality incremental processor with pre-wash section for digital layer separation. The 3D brush motion system with servo driven motors automatically synchronizes the brush rotation and oscillation to the plate transfer speed, ensuring a constant and repeatable washout speed. Constant solvent temperature due to water circulation coil. Fresh solvent consumption control. Automatic solvent replenishment. Equipped with pinbar storage for up to 8 pinbars and automatic rollaway punching.

Max. plate size: 1200 x 1600 mm (47 x 63")  
 Dimension (WxDxH): 2200 x 4860 x 1345 mm (86.6 x 191.4 x 53.0")

Electrical: 400 V, 50/60 Hz (3 Ph/N/PE)  
 230 V, 50/60 Hz (3 Ph/PE)

Weight: (approx. net): 2100 kg (4630 lbs)  
 (approx. gross): 2690 kg (5930 lbs)

Crate dimensions approx. (WxDxH): 2 crates:  
 Processor: 3060 x 2260 x 1490 mm (120.5 x 89.0 x 58.7")

Plate exit: 2580 x 2260 x 1490 mm (101.6 x 89.0 x 58.7")

**nyloflex® Dryer F IV - V D****Art. XG50-0004-VOOD**

This unit, for plates size up to 1320 x 2030 mm (52x80"), can be installed alone or combined with the nyloflex® Light Finisher F IV LF on top. Includes 6 drawers with individual timers and 3 heating sections with separate temperature control and air circulation (2 drawers each). Further, containing uniform temperature for excellent drying results, safety thermostat in every section. An exhaust system is integrated as well as a safety device for exhaust control and a touch screen operator display.

Max. plate size: 1320 x 2030 mm (52 x 80")  
 Dimension (WxDxH): 1800 x 2470 x 980 mm (67.2 x 96.5 x 39.4")

Exhaust: 1x80 mm Ø - 100 m<sup>3</sup>/h  
 Electrical: 230V 3PH/PE 50/60Hz 5.2kW 14A  
 400V 3PH/N/PE 50/60Hz 5.2kW 8A

Weight: (approx. net): 650 kg (1430 lbs)  
 (approx. gross): 900 kg (1984 lbs)

Crate dimensions approx. (WxDxH): 2740 x 1990 x 1490 mm (108.2 x 78.7 x 59.0")

**nyloflex® Light Finisher F IV - V D****Art. XG50-0004-VOLF**

This unit, for plates size up to 1320 x 2030 mm (52 x 80"), has the possibility to be installed above the nyloflex® Dryer F IV D. It includes UVA + UVC lamps for post exposure and light finishing and automatic plate cooling with programmable time as well as a powerful air exhaust with delayed stop for safe zone extraction. It contains fiber optic lamp failure detectors and a touch screen operator display.

Max. plate size: 1320 x 2030 mm (52 x 80")  
 Dimension (WxDxH): 1740 x 2440 x 400 mm (68.5 x 96.1 x 17.7")

Exhaust: 2x 140 mm Ø - 600 m<sup>3</sup>/h  
 Electrical: 230V 3PH/PE 50/60Hz 5.2kW 14A  
 400V 3PH/N/PE 50/60Hz 5.2kW 8.5A

Weight: (approx. net): 350 kg (770 lbs)  
 (approx. gross): 520 (1146 lbs)

Crate dimensions approx. (WxDxH): 1930 x 2650 x 1200 mm (75.9 x 104.3 x 47.2")

**F V equipment line for wide web****nyloflex® Exposure FV E****Art. XG50-0005-VOOE**

Premium exposure system with perfectly suitable for reproduction of high definition screens and finest images. Effective temperature control system with integrated chiller and lamp air cooling system. The lamp temperature is automatically adjusted. Optional with high power UV-A lamps. The UV-A output of the high intensity lamps increases by up to 15% compared to standard UV-A lamps.

Max. plate size: 1320 x 2032 mm (52 x 80")  
 Dimension (WxDxH): 1960 x 3200 x 1060 mm (77.1 x 125.9 x 41.7")  
 Height when lid open: 2450 mm (96.5")

Electrical: 230 V, 50/60 Hz (3 Ph/PE)  
 400 V, 50/60 Hz (3 Ph/N/PE)

Weight: (approx. net): 1020 kg (2249 lbs)  
 (approx. gross): 1350 kg (2976 lbs)

Crate dimensions approx. (WxDxH): 3480 mm x 2120 mm x 1490 mm (137.0 x 83.5 x 58.7")





**Please contact us for additional information.**

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