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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 [®] Digital Processor F III IP		✓			✓		
nyloflex [®] Exposure F IV E		✓	✓	✓			
nyloflex [®] Digital Processor F IV IP		✓	✓		✓		
nyloflex [®] Dryer F IV		✓	✓			✓	
nyloflex [®] Light Finisher F IV		✓	✓				✓
nyloflex [®] Cutting Table F IV		✓	✓				
nyloflex [®] Exposure F V E			✓	✓			
nyloflex [®] Cutting Table F V			✓				

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 high power 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:	860 x 660 mm (33.9 x 26.0")
Dimension (WxDxH):	2500 x 1730 x 1140 mm (98.43 x 68.11 x 44.88")
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 109.45 x 62.6")

F III equipment line for mid web

nyloflex[®] Combi F III

Art. XG50-NOC3-V1AL



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.

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")
Electrical:	400 V, 50/60 Hz (3 Ph/N/PE) 230 V, 50/60 Hz (3 Ph/PE)
Weight:	(approx. net): 650 kg (1433 lbs) (approx. gross): 950 kg (2094 lbs)
Crate dimensions approx. (WxDxH):	1950 x 1950 x 1500 mm (76.8 x 76.8 x 59.1")

nyloflex® Digital Washer F III**Art. XG50-0037-0104**

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.

Max. plate size: 1020 x 1200 mm (40.0 x 47.0")
 Dimension (WxDxH): 1680 x 4200 x 1190 mm (66.1 x 165.4 x 46.8")

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

Weight: (approx. net): 1250 kg (2756 lbs)
 (approx. gross): 2030 kg (4475 lbs)

Crate dimensions approx. (WxDxH): 4700 x 2300 x 1580 mm (185.0 x 90.6 x 62.2")

nyloflex® Digital Processor FIII IP**Art. XG50-0003-VOIP**

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.

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")

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

Weight: (approx. net): 1030 kg (2271 lbs)
 (approx. gross): 1350 kg (2996 lbs)

Crate dimensions approx. (WxDxH): 3730 x 1790 x 1245 mm (146.8 x 70.5 x 49.0")

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

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: 1200 x 1600 mm (47" x 63")
 Dimension (WxDxH): 1740 x 2640 x 1060 / 2450 mm (68.5 x 103.9 x 41.7/96.5")

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

Weight: (approx. net): 920 kg (2028 lbs)
 (approx. gross): 1200 kg (2646 lbs)

Crate dimensions approx. (WxDxH): 2930 x 1930 x 1590 mm (115.4 x 76.0 x 62.6")

nyloflex® Digital Processor FIV 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**Art. XG50-0001-0101**

High powered heating output of 8.5 kW to quickly achieve the necessary operating temperature. Six drying drawers with high and wide opening. Two separate drying sections with individual temperature control for energy saving and efficiency provide uniform temperature distribution. Programmable digital timer for each drawer to allow the input of different drying times. Audio signal to indicate the end of drying time. Low energy consumption due to good heat insulation.

Max. plate size: 1250 x 1600 mm (49.2" x 63")
 Dimension with drawer open: 2300 x 2084 mm
 (WxDxH): 3040 x 1180 mm / 119.7 x 46.5" (90.6 x 82.1")

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

Exhaust air: min. 450 Nm³/h (265 CFM)
 NW 160 mm (6.3")

Weight: (approx. net): 900 kg (1984 lbs)
 (approx. gross): 1366 kg (3011 lbs)

Crate dimensions approx. (WxDxH): 2620 x 2060 x 1495 mm (103.1 x 89.0 x 58.9")

nyloflex® Light Finisher F IV**Art. XG50-0030-0101**

Includes separate meters for monitoring operating hours of both UV-A and UV-C tubes, 10 memory settings for storing exposure times and digital timers, that allow either individually entered or automatic processing sequences. An audio signal indicates the end of the exposure process. Can be installed on top of the nyloflex® Dryer F IV to save space.

Max. plate size: 1250 x 1600 mm (49.2" x 63")
 Dimension with drawer open: 2300 x 2176 mm
 (WxDxH): 3152 x 3055 mm / 124.1 x 120.3" (90.6 x 85.7")

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

Weight: (approx. net): 450 kg (992 lbs)
 (approx. gross): 819 kg (1806 lbs)

Crate dimensions approx. (WxDxH): 2710 mm x 2260 mm x 780 mm (106.7 x 89 x 30.7")

nyloflex® Cutting Table F IV**Art. XG50-0112-0101**

Designed for the cutting of foil based polymer plates up to 7 mm plate thickness (before and after processing). The cutting blade and clamp is operated by compressed air. With illuminated cutting channel for best cutting accuracy, cutting angle 90°. With two-handed operation for optimum work safety.

Max. cutting width: 1320 mm (52.0")
 Max. cutting thickness: 7 mm (0.28")

Dimension with table extension: 1927 x 1372 mm
 (WxDxH): 2000 x 1148 mm / 78.7 x 45.2" (75.9 x 54.0")

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

Weight: (approx. net): 260 kg (573 lbs)
 (approx. gross): 580 kg (1278 lbs)

Crate dimensions approx. (WxDxH): 2150 x 1480 x 1480 mm (84.6 x 58.3 x 58.3")

F V equipment line for wide web**nyloflex® Exposure FV E****Art. XG50-0005-V00E**

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 open lid: 1960 x 3200 x 1060 mm
 (WxDxH): 2450 mm / 96.5" (77.1 x 126 x 41.7")

Electrical: 230 V, 50/60 Hz (3 Ph/PE) or
 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")

nyloflex® Cutting Table F V

Art. XG50-0109-0101



Designed for the cutting of foil based polymer plates up to 7 mm plate thickness (before and after processing) . The cutting blade and clamp is operated by compressed air. With illuminated cutting channel for best cutting accuracy, cutting angle 90 °. With two-handed operation for optimum work safety.

Max. cutting width:	2100 mm (82.7")
Max. cutting thickness:	7 mm (0.28")
Dimension with table extension: (WxDxH):	2707 x 1372 mm 2000 x 1148 mm / 78.7 x 45.2" (106.6 x 54.0")
Electrical:	230 V, 50/60 Hz (3 Ph/PE)
Weight:	(approx. net): 320 kg (705 lbs) (approx. gross): 640 kg (1411 lbs)
Crate dimensions approx. (WxDxH):	2930 x 1480 x 1480 mm (115.4 x 58.3 x 58.3")



Please contact us for additional information.

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