

CONFIGURATION

Serial No. F4323

Manufacture Year: 2010

FA-Line: F A - 4, 8-Color

MODULAR 16" MULTI-SUBSTRATE FLEXO PRESS

UNWIND MODULE

- 40" unwind reel capacity
- 3" pneumatic shaft
- Dual arm pneumatic roll lift
- Splicing table with pneumatic web clamps
- Motorized shaft for unwind unit
- Automatic web guide
- Automatic infeed section

PRINT MODULE

- Dual print head module incl. of solid steel bed section with dual frame roller support
- Easy access open area for web threading
- Direct servo-driven, gearless shaft for **"easy load"** plate sleeves
- Driven shaft for **"easy load"** anilox sleeves
- Quick-change ductor roller, ductor blade holder and ink
- Control panel for print unit incl. digital pre-register, dial for length register and digital side register
- Multi-substrate upgrade, light weight web-driven chill

CONVERTING MODULE

- Servo driven print pacing
- Dual converting module incl. of preparation for max. two rotary die-cutting units
- Rotary die-cutting unit with impression roller and adjustable pressure bridge, incl. digital length register and manually controlled side register
- Outfeed section with driven nip roller
- Split section for waste with adjustable capstan roller and 40" matrix rewind section including

REWIND MODULE

- 40" rewind unit
- 3" pneumatic shaft
- Dual arm pneumatic roll lift
- Taper tension control
- Main control panel for all press operation including counting system

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		Qty
<u>MODEL FA-4 - BASIC PRESS</u>		
5080000	8-color basic flexo machine excl. of any drying consisting of 4 dual head modules, each including 2 printing units	1
<u>WEB ENHANCEMENT TECHNOLOGY</u>		
41144	Web sensor for transparent materials	1
41145	Web break detector. Each module	4
41039	Contact web cleaner, dual-sided incl. active antistatic device	1
41038	Corona pre-treating equipment "Vetaphone" - single side	1
32142	Antistatic bars (recommended for film)	8
41170	<u>Basic Film Package</u>	1
	- Enhanced infeed tension upgrade incl. load cell device	
	- Soft tension rewind upgrade	
	- Expanded print-pacing for film 25-250 my/1-10 mills	
	- Pressure roller for rewind	
	<u>Additional Film Package</u>	
41113	Spiral roller (recommended for film - infeed - print units - platforms - and outfeed), each	10
1300-077xs	Coated idler roller	10
<u>DRYING TECHNOLOGY</u>		
41156	IST MBS-5 UV-lamp incl. of air cooling and press integrated ducting system	8
<u>COOLING TECHNOLOGY</u>		
41083	Preparation for connection of central cooling system.	1
<u>AUXILIARIES FOR PRINTING MODULES</u>		
45037	Rail system, each module	4
45034	Movable unwind or rewind tower with tension control for laminating and cold foil, incl. of basic roll cartridge. Max. roll diameter 23.62" (600 mm) - Max. roll weight 88 lbs (40 kg)	2
45024	Turnbar unit incl. of basic roller cartridge , excl web path rollers	1
45039	De- and laminating equipment incl. of web tension control and web path for first printing unit	1

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45041	UV-laminating unit for laminates.	1
45042	Cold foil upgrade consisting of stripping roller and web path. NOTE! Requires unwind and rewind tower (2 pcs of pos. no. 45034) and UV-laminating unit (pos. no. 45041).	1

AUXILIARIES FOR CONVERTING MODULE

45052	Automatic press stop device at matrix breaks (only for conventional matrix rewinding)	1
45051RF	Automatic matrix removal including conveyor belt for transporting the compressed waste	1

ADDITIONAL PRESS CONTROL TECHNOLOGY

Automatic Register System

45140	P2P-automatic electronic point-to-point register system - length and side register, includes advanced self-adjusting features and multiple storing/history features, additional price each platform. (Note! Must be for all print and converting units). (Requires pos. no. 45057)	9
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Vision System

45054	Integration kit for standard video web inspection system	1
42276	Video web inspection system SHS-4000 with touch screen control, basic system	1

Additional Advanced Press Management Console

45057	Basic console including process management, and basic platform for below-mentioned options	1
45058	Remote side register control for print units.	8
45059	Variable imperial/metric print length and inseting functionality	1
45060	Job management package	1
45121	Register log programme for customer quality reports	1
45122	External back-up function incl. of software and transferable memory	1

TOOLS FOR FLEXO UNITS

46031	Ink pan	4
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Note: Listed configuration is original configuration from 2010.
Any changes made after initial installation is not captured in this document.

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TECHNICAL SPECIFICATIONS

IP access is required at local site!

Speed specification: 0-175 m/min. (up to 575 FPM) mechanical speed

Caslon slide-in platform speed specification: 25-50 m/min. (82-164 fpm) - quality dependent!

Web specifications:

- Unwind	40"	1000 mm / Max. 350 kg
- Rewind	40"	1000 mm / Max. 350 kg
- Waste rewind	40"	1000 mm / Max. 40 kg
- Rail-mounted unwind/rewind	23 3/4"	600 mm / Max. 40 kg

Printing specifications:

- *Flexo:* 16"/410 mm printing width (12-25"/304.8-635 mm printing length)

- *Screen:* 16"/410 mm printing width (12-18"/304.8-457.2 mm printing length)

- *Die-cutting:* 16"/410 mm printing width (12-25"/304.8-635 mm printing length)

Web width, max.: 16 1/2" 420 mm

Web width, min. for paper materials: 50% of max. width

Web width, min. for foils and film materials: 75% of max. width

Printing width, max.: 16" 410 mm

Thickness of photopolymere printing plates: 1.14 mm (0.045")

Thickness of double-sided self-adhesive tape for plate mounting: 0.50 mm (0.020")

Other plate and tape dimensions upon request.

Indoor climate conditions:

Room temperature: Max. 25° C (77° F)

Thermal fluctuation (24h): Max. 10° C (50° F)

Relative humidity min./max.: 25% / 60%

Register Specification:

Accuracy for a combination job within +/- 0.1 mm (0.004")

Accuracy for at least 95% within +/- 0.066 mm (0.0026")

Please see: Nilpeter Standard Register Specifications for Flexo and Offset Presses!