

CONFIGURATION

Serial No. F4210

Manufacture Year: 2006

FA-Line: F A - 4, 10-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
- Dance roller system for unwind unit
- Automatic web guide
- Automatic infeed section incl. of load cell device

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 tray
- Control panel incl. of functionality for print unit, electronic pre-register, speed dial for length register and electronic side register
- Multi-substrate upgrade, light weight web-driven chill rollers
- Servo-driven print pacing mounted on chill roller at exit chill roller

CONVERTING MODULE

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

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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		<u>Qty</u>
<u>MODEL FA-4 - BASIC PRESS</u>		
5100000	10-colour basic flexo machine excl. of any drying consisting of 5 dual head modules, each including 2 printing units	1
42134	P-P Module consisting of one dual module incl. of 2 platform preparations for utility cassettes. Positioned between 6th and 7th flexo unit (for hot foil)	1
<u>WEB ENHANCEMENT TECHNOLOGY</u>		
41090	Web cleaner "Teknek" - doublesided	1
xxxx	Mounting kit for corona treaters (Enercon)	1
xxxx	Enercon Corona Treater - Model TL MAX11P2-100 Bare Roll Treating Station - Double Side - 16.5" web width - 550 fpm To include watt density and remote control in a common enclosure, exhaust blower, and airflow switch	1
32142	Antistatic bars	10
41091	Soft tension rewind (recommended for film)	1
41113	Spiral roller (infeed - print units - platforms - and outfeed)	16
41115	Pressure roller for rewind (recommended for film)	1
xxxx	Cable extension for color mark reader/register control (for back side reading)	4
xxxx	Alu roller complete, including bracket. Each Positioned on station 1 through 6	13
41114	Expanded print-pacing for film 25-250 my/1-10 mill's	1
<u>DRYING TECHNOLOGY</u>		
xxxx	IST UV-lamp Model MBS 5 air-cooled system	10
41086xx	High capacity hot air dryer. Each (positioned in flexo unit #8, #9 and #10) Note: Expanded footprint	3
<u>COOLING TECHNOLOGY</u>		
41083	Preparation for connection of central cooling system	1
<u>AUXILIARIES FOR PRINTING MODULES</u>		
45037	Rail system for turnbar, unwind and rewind towers, (covers dual head module). Each module	6
45037	Rail system for turnbar, unwind and rewind towers . For mounting before 1st print station and after last print station	3
45024	Turnbar unit incl. of basic roller cartridge, excl web path rollers	1
45025	Web path rollers for turnbar	3
xxxx	Rail mounted bracket with overpass idler, each module	10
xxxx	Additional bracket to be positioned between rails, each	8

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45034	Movable unwind/rewind tower with tension control for laminating and cold foil, incl. of basic roll cartridge, max. roller diameter 400 mm	3
45039	De- and laminating equipment incl. of web tension control and web path for one or max. two printing units.	1
45041	UV-laminating unit for laminates. NB! Requires an unwind tower	1
45079	Conventional laminating unit for tape and - self-adhesive laminates. NB! Requires unwind tower for tape, and also rewind tower for self-adhesive laminates	1
45042	Cold foil upgrade consisting of stripping roller and web path. NB! Requires unwind and rewind tower (2 pcs of pos. no. 45034) and UV-laminating unit (pos. no. 45041). Each module	1
<u>AUXILIARIES FOR CONVERTING MODULE</u>		
45045	Additional rotary die-cutting unit incl. of impression roller and adjustable pressure bridge including electric length register and manually controlled side register	1
45046	GAP-master system for die-cutting unit	2
45051	Additional price for automatic matrix removal including conveyor belt for transporting the compressed waste, instead of conventional matrix rewinding	1
45054	Integration kit for standard video web inspection system	1
xxxx	Integrated video web inspection system, incl. of colour monitor and motorized position of camera (BST Super HandyScan 3000)	1
19969U	Kit for video, Super Handy Scan (includes 25 m cable plus signal cable, and shelf for mounting of monitor and controller on PMC console)	1
xxxx	AVT video inspection system	1
<u>ADDITIONAL PRESS CONTROL TECHNOLOGY</u>		
<i>Automatic Register System</i>		
45053	Automatic electronic register system, each printing/processing unit	11
<i>Additional Advanced Press Management Console</i>		
45057	Basic console including process management, and basic platform for below-mentioned options	1
45058	Remote side register control for print units	10
45059	Variable imperial/metric print length and inseting functionality	1
45060	Job management package	1

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UTILITY PRINTING TECHNOLOGY

42096	Drop-In screen printing cassette for flexo printing units	3
<i>Auxiliaries for Drop-In Screen Printing Cassette</i>		
46071	Automatic ink level control incl. of peristaltic ink pump	3
42107	Trolley for storage, complete, Drop-In Screen 12"-18" for: Screen cassette, impression unit, screen drip tray, calibration tool for printing unit, squeegee, flexo ink tray, and flexo safety cover	3
42109	Basic auxiliaries for Drop-In screen unit, including: Squeegee blade inserting tool, calibration tool for screen cassette	1

TOOLS FOR FLEXO UNITS

46043	Printing sleeves repeat 12"-15"	10
46044	Printing sleeves repeat 15 1/8 "-20"	10
46030	Ductor blade assemblies	10
1300-0309XS	Ink trays	18

Note: Listed configuration is original configuration from 2006.
Any changes made after initial installation is not captured in this document.

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TECHNICAL SPECIFICATIONS

ISDN or IP access is required at local site!

Speed specification: 0-175 m/min. mechanical speed

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	15 3/4"	400 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.:	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.: 410

Thickness of photopolymere printing plates: 1,14 mm
Thickness of double-sided self-adhesive tape for plate mounting: 0,50 mm

Other plate and tape dimensions upon request.

Indoor climate conditions:

Room temperature: Max. 25° C
Thermal fluctuation (24h): Max. 10° C
Relative humidity min./max.: 25% / 60%

Register Specification:

Accuracy for a combination job within +/- 0.1 mm
Accuracy for at least 95% within +/- 0.066 mm

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