

Press Specification

Number: **GB24635**

Date: 03.08.18

Our ref.: nh/lf

Pre-owned - 8 colour press

FA-Line: FA-4* CLEANINKING # F4701 - 2014

MODULAR 16" MULTI-SUBSTRATE FLEXO PRESS



Your Flexo Line for
Optimised Performance

Sample picture of FA-4*

FA-4* "CLEANINKING - 16" MULTI-SUBSTRATE FLEXO PRESS

UNWIND MODULE

Motorized dual armed unwind with roll lift and 40" reel capacity.
Automatic web guide and servo-driven infeed section.
Servo-driven 3" pneumatic shaft.
Splicing table with pneumatic web clamps.
Prepared for installation of standard web cleaner and corona treater.

PRINT MODULE

Short web printing unit in sturdy construction.
Fully motorized presetting for impression and 360° register.
Prepared for installation of UV-system and/or hot air drying for water based inks
Easy access open area for web threading.
Direct servo-driven, gearless shaft for "**easy load**" printing sleeve.
Servo-driven anilox drive for "**quick-change**" anilox roller.
Quick-change **CLEANINKING** chamber and easy lock system.
Control panel with individual job change functionalities.
Multi-substrate upgrade, light weight web-driven chill rollers.
Passive antistatic function.
Prepared for installation of rail system and rail-based auxiliaries.
Prepared for installation of de-/relamination equipment.
Prepared for installation of UV-lamination and cold-foil equipment.

DIE-CUTTING MODULE

Servo-driven mid-feed pacing roller.
One servo-driven rotary die-cutting unit.
Motorized 360° register.

CONVERTING SECTION

Split section module with 40" waste rewind tower.
Prepared for installation of standard length / score or back slitting.
Prepared for installation of standard video inspection system.
Servo-driven, friction coated exit pull roll system.

REWIND MODULE

Motorized dual armed rewind with roll lift and 40" reel capacity.
Servo-driven 3" pneumatic shaft with taper tension control.
PMC including 2 **Air Control Satellites** (wireless operator interface).
Prepared for installation of sheeting unit and conveyer system.

ADDITIONAL FEATURES

Standard Nilpeter QC and certification.
Emergency stops and safety guards according to EC safety regulations.

BASIC NILPETER PRESS CONFIGURATION

Item No.	MODEL FA-4* BASIC PRESS	QTY
5080005s	8 colour FA-4* basic flexo press excluding any drying.	1
DRYING TECHNOLOGY		
45445s	IST MBS UV-lamp with press integrated ducting system.	8
45447s	Standard hot air dryer. Note! Expanded footprint.	2
COOLING TECHNOLOGY		
45449s	Cooling unit for max. 8 printing units.	1
AUXILIARIES FOR PRINTING MODULE		
45465s	Rail system per printing module.	8
45469s	Standard turnbar including basic roll cartridge for de-/relamination.	1
45472s	De-/relamination equipment including web tension control and web path rollers for position in first printing unit.	1
INKING CHAMBERS		
45533s	Additional CLEANINKING quick change chamber.	8
45534s	Start kit for CLEANINKING chamber.	1
Options for Quick-Change die-cutting unit		
45485s	Additional price for Quick-Change die-cutting unit with integrated GAP-master and hydraulic controlled die pressure and throw-off function instead of standard rotary die-cutting unit.	1
AUXILIARIES CONVERTING MODULE		
45490s	Back slitting unit for edge trimming.	1
PRESS CONTROL TECHNOLOGY		
45501s	P2C (Print-to-Cylinder) register system up to maximum 8 units.	1
45502s	P2C (Print-to-Cylinder) register for additional printing and/or converting unit.	1
45506s	Job management package.	1
WEB INSPECTION		
45493s	Integration kit for standard video web inspection system.	1
45495s	Integrated standard video web viewing system with colour monitor and motorized position of camera.	1

TECHNICAL SPECIFICATIONS

Mechanical press speed:	0 - 175 m/min.
NilScreen speed:	0 - 80 m/min.
Unwind diameter:	1.016 mm (40") - max. 350 kg
Rewind diameter:	1.016 mm (40") - max. 350 kg
Waste rewind diameter:	1.016 mm (40") - max. 40 kg
Unwind/rewind tower diameter:	600 mm (23 ¾") - max. 40 kg

WEB SPECIFICATIONS

Web width, max.:	420 mm (16½")
Min. width for paper materials:	50% of max. width
Min. width for foils/film materials:	75% of max. width

PRINTING SPECIFICATIONS

Printing width, max.:	410 mm
Flexo printing width:	16" (410 mm)
Flexo repeat length:	8" - 25" (203,2-635 mm)
Screen printing width:	16" (410 mm)
Screen repeat length:	12" - 25" (304,8-635 mm)
Die-cutting width:	16" (410 mm)
Die-cutting repeat length:	12" - 25" (304,8-635 mm)
Gravure width:	16" (410 mm)
Gravure repeat length:	18" - 25" (457,2-635 mm)

RECOMMENDED THICKNESS

Photopolymere printing plates:	1,14 mm
Tape for plate mounting:	0,50 mm

Note! Other plate and tape dimensions upon request.

REGISTER SPECIFICATION

Reference is made to Nilpeter Standard Register Specifications for Flexo and Offset Presses!, which can be mailed to you upon request.

Accuracy for a combination job:	within +/- 0,1 mm
Accuracy for at least 95%:	within +/- 0,066 mm

APPLICATION PURPOSE

The machine is designed for the printing and die-cutting of conventional self-adhesive labels.

Substrate:	Normal self-adhesive materials
Substrate thickness:	Approx. 160 my (min. 100/max. 220)
Standard die-cutting:	Servo-driven rotary die-cutting
Options for expanded substrate range:	- Basic Film Package (B)OPP-PET 25-250 my/1-10 mill's - Expanded print-pacing for carton 100-350 my / 4-14 points

Note! Printing on other materials and use of other material thicknesses only upon special request.

SITE REQUIREMENTS

ELECTRICAL POWER SUPPLY

NILPETER's printing presses are designed to run at a voltage of 3 x 400 volt (voltage between the phases) and at a frequency of 50 or 60 Hz. The power supply must have 3 phases, a neutral conductor and a protective earth conductor. If the supply voltage differs from 3 x 400 volt, the press needs to be supplied via a supply transformer (isolating transformer).

The power supply has to have system earth TN-C, TN-S or TN-C-S.

The main electrical panel of the press does not include over-current protection or short circuit protection to protect the power supply. This equipment must be installed in the owners distribution panel.

Electrician needed for connecting the press line to the main power supply is not included and according to the rules in force this has to be done by a local electrician.

INDOOR CLIMATE CONDITIONS

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

PRE-INSTALLATION

It is customer's responsibility to prepare the production area in accordance with press layout e.g.

- to prepare electrical installations.
- to prepare connection for air pressure/compressed air.
- to prepare exhaustion for blowers.
- to establish Internet connection to press (IP-access).
- to mark out position of press on floor.

Note! The exhaust from the UV-system and the Corona pre-treating equipment must not be connected to the same pipe. (Due to ozone from the Corona). In case the exhaust is incorrectly connected, the UV-system cannot be approved and released for production.

For unloading of press and for the first four (4) days of installation (approx.) arrange a fork-lift including driver.

Lifting capacity of 2.500 kg (3.000 kg for MO-4 and 5.000 kg if Pantec is included in the order)

Forks of 2,50 m.

For press running-in, arrange material and tools such as plate cylinders, tape, magnetic cylinder, anilox rollers etc. ready for test.

For training, if ordered, arrange material and tools such as plate cylinders, tape, magnetic cylinder, anilox rollers etc.

In order to simplify communication during installation/training – kindly ensure that at least one of your employees speaks English/German.

SIGNATURE

For:

nilpeter a/s - Denmark

... your printing partner