

Kurz Booth # 1817

**Nilpeter FB-350 Servo
Flexo Printing Press, 8-color**

Serial No. FB1707051

**FB-350 - SERVO FLEXO PRESS
STANDARD FEATURES**

SERVO DRIVES

State of the art digital AC servo drive technology.
Press speed of up to 225m/min (750 fpm).

UNWIND

Fixed position unwind.
Automatic web guide.
Servo-driven 3" pneumatic shaft.
Splicing table with pneumatic web clamps.
Automatic roll lift function for unwind.
Roll end shut-off with by-pass feature.
Maximum roll diameter 1016mm (40"), Weight of 226kg (500lbs).

INFEED

Closed loop Servo driven infeed with load cell feedback.
Optimized settings are user selectable to run low tensions required for unsupported substrates and higher tensions for Label stocks and tag stock.

PRINT STATION

Servo driven print stations with 360° circumferential register adjustment.
Manual instant register adjustment with +/- 14.3mm (9/16") range.
Print modules with dual 15.6mm (5/8") steel frame plates.
Quick change total slide out inking system.
Stainless steel ink pans. 65 durometer doctor rolls.
Self adjusting doctor blade unit with precision ground steel blade.
Individual speed control at each station.
Helical gears for anilox roll, drive and plate roll.
Chrome plated & precision ground impression roll.
One piece 19mm (3/4") diameter hardened and ground stainless steel plate roll shafts.
Vertical locking device to eliminate plate bounce.
Repeat range of 7" to 24" (177.8-609.6mm).
Maximum web width of 349mm (13.75").
Plate cylinders, anilox rolls, and anilox roll drive assemblies are not included.

DIE CUTTING MODULE

Two Servo driven die cutting positions with 25.4mm (1") ground steel frame plates.
Servo driven closed-loop print pacing roll, 66.7mm (2-5/8") diameter, isolates die cutting from printing.

Precision ground, through-hardened anvil and base rolls suitable for top and bottom die cutting.

360° register range, 609.6mm (24") die cutting repeat.

Includes two (2) die cut side register assemblies for lateral adjustment.

WASTE REWIND

1016mm (40") diameter waste rewind with switch operated pneumatic coreholder and air operated clutch.

Pneumatically operated follower arm and capstan.

EXIT PULL ROLL STATION

25.4mm (1") dual steel positive alignment frame plates.

Servo driven, fully adjustable friction coated exit pull roll.

REWIND MODULE

Fixed position rewind.

Servo-driven 3" pneumatic shaft with taper tension control.

Automatic roll lift function.

Servo-driven 3" pneumatic shaft with taper tension control.

1016mm (40") roll capacity. Maximum roll weight of 226kg (500lbs).

Switch operated pneumatic coreholder and follower arm with anti static device.

PRESS CONFIGURATION

Item No.	MODEL FB-350 SERVO BASIC PRESS	Each	Qty	Total
B-2308	8-color standard press excluding any drying - Model FB350 Servo		1	
B-0001	CE-marking per print unit.		8	
Supply Voltage: 208 Volts, 3-phase, 60 Hertz				
UNWIND & INFEED MODULE				
U-03x1	Heavy duty motor driven dual arm 40" unwind with roll lift (maximum roll weight 500 lbs) - <i>in place of "new unwind"</i> .		1	
U-2005	Mounting kit for standard web cleaner, double sided		1	
U-0306	Double sided side access contact web cleaner - Model SDI		1	
PRINT MODULES				
<i>Drying Technology</i>				
P-2301	Hot air dryers per print unit <i>Note: Extended webpath</i>		8	
xxxx	Preparation for future installation of GEW UV system		8	
P-0302	GEW-E2C Arc UV-lamp with "RLT" power supply, external press ducting system and color touch screen. Multilamp system (2 or more lamps), each		8	
<i>Rail system and rail-based auxiliaries</i>				
P-2001	Rear mounting rail for auxiliary components including upper bypass idlers, price each print station		8	
A-2305	Rail-mounted turnbar with delam/relam unit		1	
A-2306	"Movable unwind/rewind tower (single spindle) with tension control, including basic roll cartridge, max. roll diameter 20"".		1	
A-2308	Laminating nip for UV (60 durometer)		1	
A-2307	Cold foil kit consisting of stripping rollers, web path idlers, and nip roll (90 durometer). <i>Note: For use in combination with Kurz DM-Liner unit.</i>		1	
xxxxx	Rail mounted platform for Kurz DM-Liner unit. Kurz will provide DM-Liner unit.		1	
xxxx	DMS drop-in hot stamp unit - for 1st die slot <i>Note: Will use A-2306 movable tower to unwind foil.</i> Kurz will provide DMS unit.		1	

ADDITIONAL PRESS CONTROL TECHNOLOGY

Automatic Plate Positioning System		
P-0006	Automatic plate positioning system per print station. Retrofit not possible!	8
Pre-registration		
P-0007	Registration pre-setting, per press Rotates printing cylinder into initial registration to within +/- 1 tooth	1
Re-register system		
P-0314	Re-register system for preprinted web. Includes backside web reading. Note: Repeat length of preprinted web must be shorter or equal to nominal repeat	1

CONVERTING MODULE

Options for standard rotary converting module		
D-0310	Servo driven sheeting station with a supported anvil roll and 1" (25.4 mm) ground frame plates. 360 degree register, 24" (609.6 mm) repeat capability for topside die cutting, perforating or sheeting. In place of exit pull roll station	1
D-0306	Second waste rewind, motor driven	1
D-0301	Slitting station with 3 circular knives	1
Web viewing system		
A-0314	Integration for standard video viewing system	1
xxxx	Video web viewing system Model E+L OMS 4113, motorized traverse	1

REWIND MODULE

R-03x1	Motor driven cantilevered single rewind spindle (fixed) with 3 HP AC vector drive - <i>in place of standard servo driven fixed position rewind with roll lift.</i>	1
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Additional Equipment required

Item no.		Responsibility
xxxx	Transformer for Press and UV system	Ordered from RES (Hanne)
	Various print tooling	NP USA Print Services

TECHNICAL SPECIFICATIONS

Mechanical press speed:	225m/min max
Unwind diameter:	1.016 mm (40") - max. 226 kg
Rewind diameter:	1.016 mm (40") - max. 226 kg
Waste rewind diameter:	1.016 mm (40") - max. 40 kg
Unwind/rewind tower diameter:	600 mm (23 ¾") - max. 40 kg
Gearing:	1/8"CP
Lubrication system:	Automatic
Air pressure:	6.9 bar / 100 psi

WEB SPECIFICATIONS

Web width, max.:	349mm	13.75"
Min. width for paper materials:	50% of max. width	
Min. width for foils/film materials:	75% of max. width	

PRINTING SPECIFICATIONS

Printing width, max.:	349mm	13.75"
Flexo printing width:	349mm	13.75"
Flexo repeat length:	177.8 - 609.6mm	7" to 24"
Screen repeat length:	304.8 - 457.2mm	12" to 18"
Hot foil repeat length:	254 - 457.2mm	10" to 18"
Rotary die-cutting width:	349mm	13.75"
Rotary die-cutting repeat length:	203.2-609.6	8" to 24"

MATERIAL SPECIFICATIONS

Substrate Thickness

Minimum .001" (25 micron) with hot air dryers or UV dryers with chill rolls
Minimum .002" (50 micron) with UV dryers
Maximum up to .010" (250 micron)

Substrates

Unsupported film (BOPP, OPP, and PVC), pressure sensitive stock, supported films, bond, and tag up to .010" (250 micron)

Subject to press configuration and options selected above