



FF SERIES

**STACK TYPE
FLEXOGRAPHIC
PRINTING
PRESS
4 COLOURS
412FF 414FF 417FF**

**THE PURSUIT OF THE LATEST ELECTRONICS AND PRECISION TECHNOLOGY.
THE DOMINANT FLEXOGRAPHIC PRINTING PRESS.**

FF SERIES

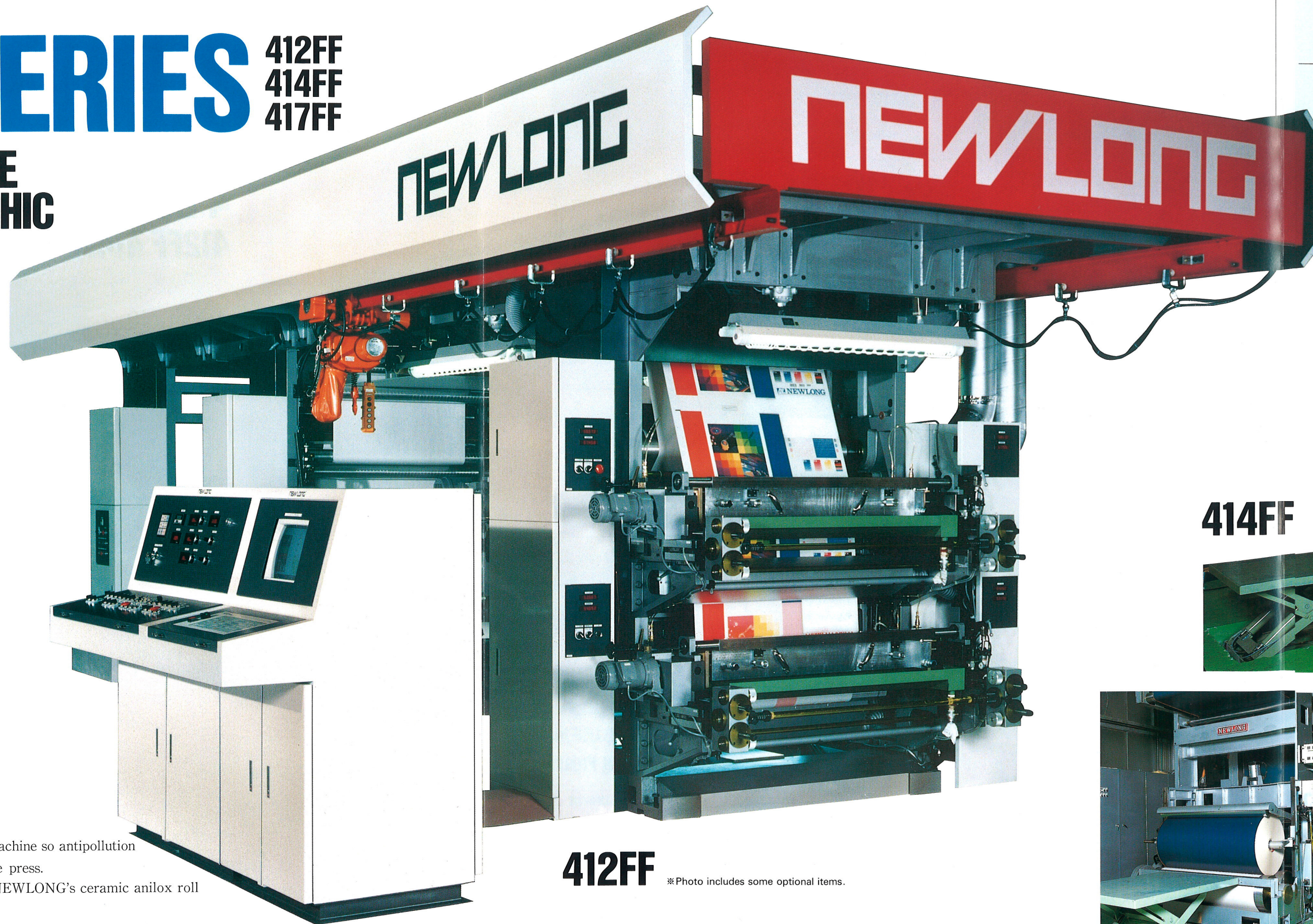
412FF
414FF
417FF

STACK TYPE FLEXOGRAPHIC PRINTING PRESS 4 COLOURS

NEWLONG presents the stack type flexographic printing press developed through the latest electronics and precision technology after long term experiences supplying more than 1,000 machines both of C.I. type and stack type into printing industry.

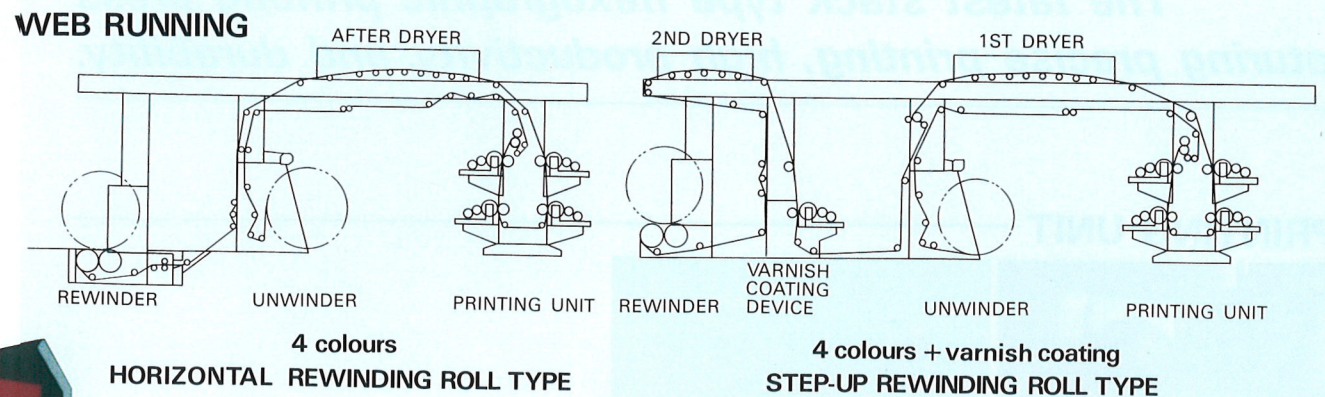
CHARACTERISTICS

1. Water soluble ink can be used with machine so antipollution equipments are not necessary for the press.
2. Precise printing can be achieved by NEWLONG's ceramic anilox roll applying doctor blade.
3. Flexography is suitable for all over printing or wider printing.



412FF

*Photo includes some optional items.



414FF



REWINDER

Surface rewinder by 2 rolls
(Step-up rewinding roll type)

1. Rewinding tightness is adjusted by tension pick-up and AC inverter.
2. Pneumatic weight roll preventing slip of web roll when the small diameter, which pressure is controlled by pressure reduction valve.
3. Web roll discharging device.
4. Aluminum air shaft (shaft outer diameter 76mm)



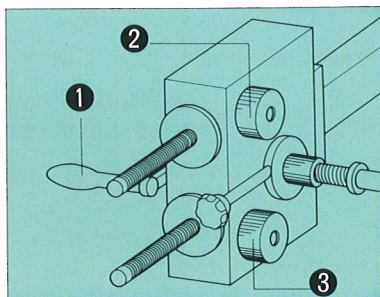
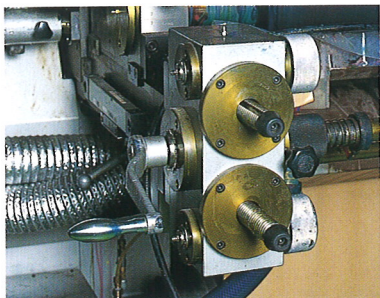
UNWINDER

One shaft type

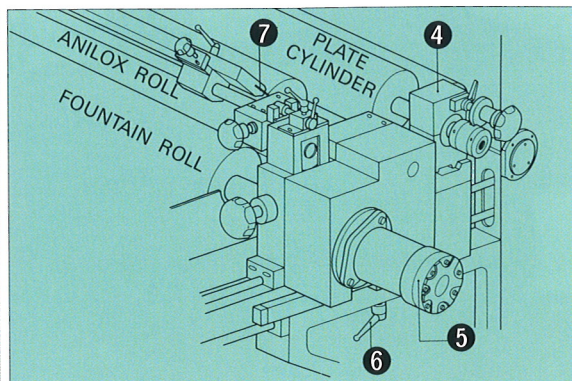
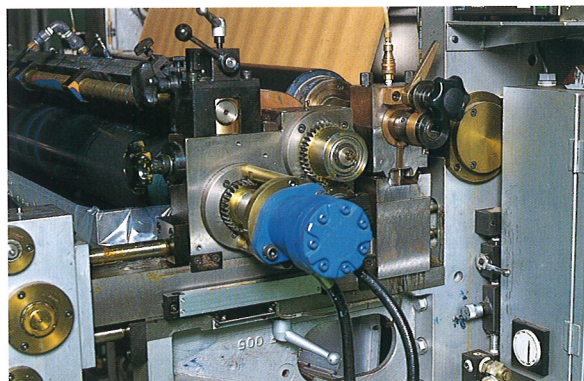
1. Unwinding tension is adjusted by tension pick-up and powder brake (tension digital indicator attached)
2. Semi-automatic web roll lifting device
3. Aluminum air shaft (shaft outer diameter 76mm)
4. Lateral positioning done by handle (± 30 mm)

The latest stack type flexographic printing press featuring precise printing, high productivity, and durability.

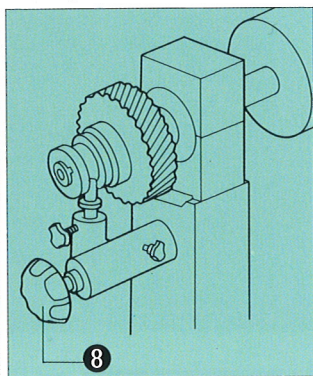
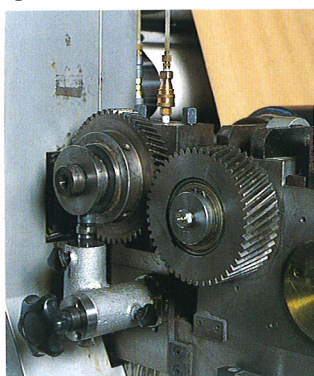
PRINTING UNIT



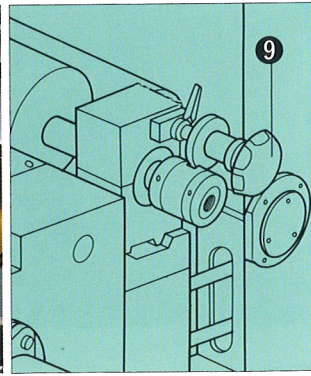
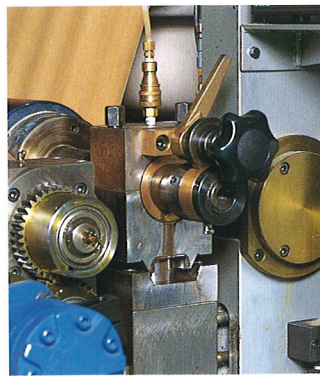
- Gear box for colour deck positioning ① Positioning handle to move plate cylinder frame and inking frame
 ② Adjusting dial for inking frame (0.156mm/cycle)
 ③ Adjusting dial for plate cylinder frame (0.156mm/cycle)



- ④ Plate cylinder lifting device by hydraulic mechanism (to release plate cylinder from wet ink when machine stopping)
 ⑤ Hydraulic motor for fountain roll (Anilox roll and fountain roll rotate in 50-80rpm to prevent ink getting dry when the plate cylinder released from printing position.)
 ⑥ Lock lever for colour deck positioning ⑦ Doctor blade

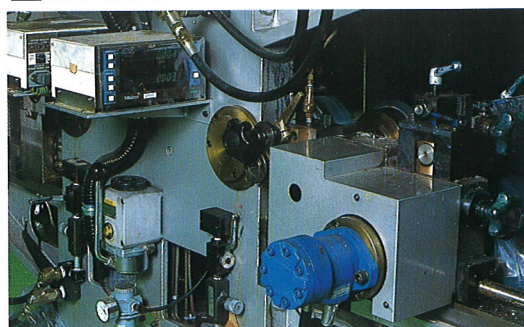


- ⑧ Longitudinal printing position adjusting handle ($\pm 5\text{mm}$)

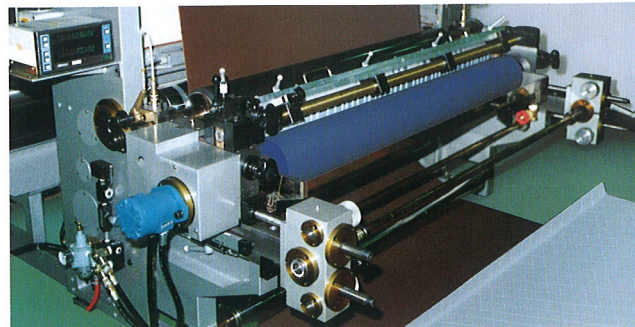


- ⑨ Lateral printing position adjusting handle ($\pm 10\text{mm}$)

OPTION

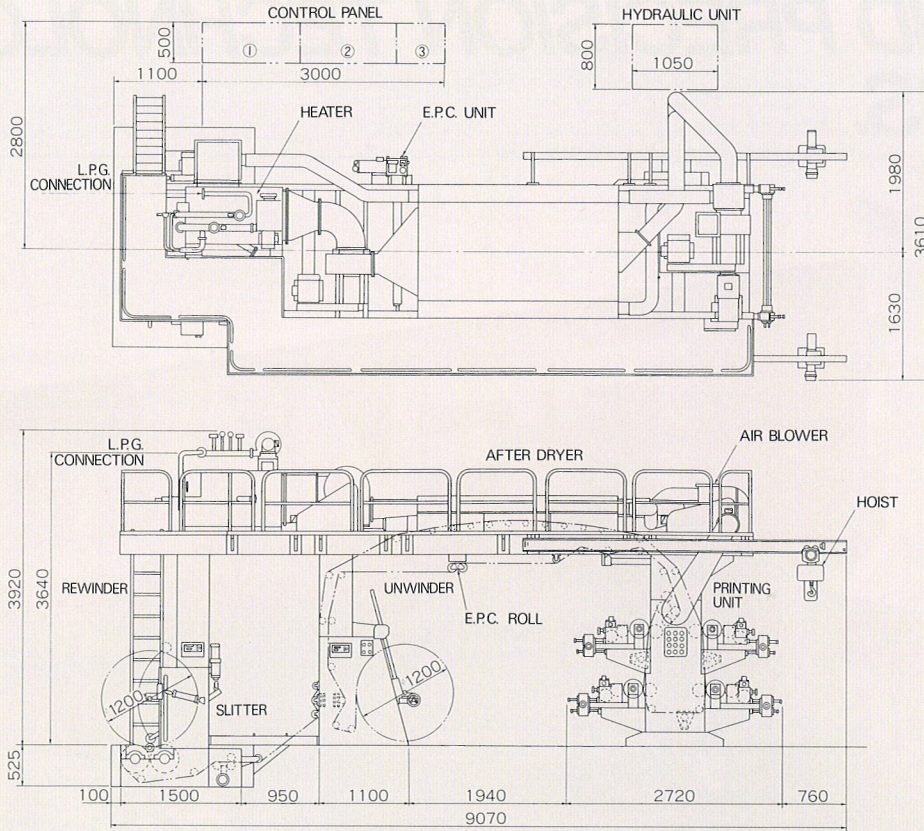


Impression adjustment digital scale



Printing unit for varnish coating available for UV system

412FF



Gas drying system is applied to the machine on the drawing

SPECIFICATIONS

Specifications subject to change without prior notice.

	412FF	414FF	417FF
Max. web width	1,250mm	1,450mm	1,700mm
Max. printing width	1,200mm	1,400mm	1,650mm
Printing length (10mm pitch)	300~750mm	300~750mm	400~960mm
Max. printing speed	200 m/min.		
Number of colour	4		
Max. web diameter (unwinder)	1,200mm (depending on printing materials)		
Max. web diameter (rewinder)	1,200mm (depending on printing materials)		
Drying system	electricity, gas, steam		
Inking system	two rolls or doctor blade (*doctor chamber)		
Printing materials	Paper 50-120 g/m ² · PE·PP 20-80μ thickness film		
Dimensions	L × H × W		
Standard machine	9,500 × 4,500 × 4,500	9,500 × 4,500 × 4,700	9,700 × 4,500 × 5,000
The machine with varnish coating device	11,300 × 4,500 × 4,500	11,300 × 4,500 × 4,700	11,500 × 4,500 × 5,000

OPTION

- Digital scale for printing adjustment
- Printing unit for varnish coating (for UV system)
- Separated rewinding roll system
- Rewinding web roll edge slitter (at front of rewinder)
- Ceramic anilox roll
- Doctor chamber *
- Chill roll (AC servo drive/counter shaft drive)
- Scanning device (mirror, TV monitor)
- Dust extracting device
- Ink pan teflon coating
- Ink circulation pump (motor/diaphragm)
- Plate cylinder (sleeve type)

HI-FLEX

MODEL 613FH, 616FH

Central Impression Printing Press



NEWLONG MACHINE WORKS, LTD.

14-14, Matsugaya 1-chome, Taito-ku, Tokyo 111, Japan
 Telex: 265-5306 NLTK J Fax: (03)3843-9963 Tel: (03)3843-0258

OVERSEAS OFFICE

NEWLONG TAIWAN MACHINE CO., LTD. Fax: (02)522-1420 Tel: (02)571-6524
 NEWLONG (HONG KONG) CO., LTD. Telex: 62847 HKMTL HX Fax: 577-2876 Tel: 576-3676
 NEWLONG MACHINE PHILIPPINES, INC. Fax: (02)816-3977 Tel: (02)816-0207
 NEWLONG THAILAND LTD. Telex: 21137 NLTHAI TH Fax: (02)391-5508 Tel: (02)391-1171, 391-8870
 NEWLONG MALAYSIA SDH. BHD. Telex: 37868 NLMAS MA Fax: (03)7176000 Tel: (03)7188323
 NEWLONG SINGAPORE PTE. LTD. Telex: RS23649 NLSIN Fax: 2651994 Tel: 2650901
 NEWLONG HOLLAND B.V. Telex: 18896 NLN NL Fax: (020)6484-593 Tel: (020)603-7217
 AMERICAN-NEWLONG, INC. Telex: TWX810-341-3313 AMLONG IND. Fax: (0317)786-5225 Tel: (0317)787-9421
 NEWLONG DO BRASIL MAQUINAS INDUSTRIAS LTDA. Telex: 1121566 NEWL BR Fax: 276-9084 Tel: 276-9744

