

The Nipson VARY PRESS 400

Print Beyond Limits

The new generation black and white production press

The VaryPress 400, Nipson's latest generation digital printer, addresses the increasing demand for quality, high throughput and cost-effective flexibility in variable data printing markets. Based on Nipson's unique magnetographic imaging and flash fusing processes, the Nipson VaryPress 400 sets a new benchmark in the industry through its unique combination of productivity, print quality, flexibility and low cost.

Productivity

The Nipson VaryPress 400 is built for continuous production and maximum uptime in the most demanding print production environments. With its impressive production speeds up to 410 ft/min (125 m/min) on a printable width of 18.5 inches (web width of 20.5 inches), the VaryPress 400 can produce over 890 Letter pages per minute in two-up simplex mode and over 1780 Letter pages in two up duplex configuration.

Print quality

The VaryPress 400 incorporates Nipson's proven 600 dpi magnetographic imaging technology. This provides the printer with an advanced level of print quality, which is maintained through the speed range of the printer, ensuring consistent output and maximum quality production.

Flexibility

Nipson's unique flash fusing system fuses the toner without heating the substrate, so the web does not shrink, warp, distort, or dry out. Consequently, the VaryPress 400 can print on the widest range of materials, including coated and uncoated paper, labels,



foil, carbonless stocks, heavy stocks and plastic affixed cards. Moreover, the VaryPress 400 has a unique speed control feature that allows you to vary the print speed continuously over a wide range to ensure optimum print quality and productivity regardless of substrate type or finishing process.

Both the simplex and duplex printer models can easily be integrated with pre and post processing equipment from other manufacturers, ensuring optimum configuration flexibility to satisfy a broad range of customer workflow requirements.

The VaryPress 400 has the unique capability to be used in-line with an offset or flexographic press and with sophisticated finishing equipment. The production workflow can be optimized from roll to printed sheets with a high level of security and productivity.

NIPSON

IPS
International Printers Services

Rua Escorpião 41
Conjunto Comercial Conde I
Alphaville - Barueri - 06473015
São Paulo - Brasil

<http://www.ipsbrasil.com>
e-mail: contato@ipsbrasil.com

TECHNICAL SPECIFICATIONS

Printing Technology:	Magnetography with Monocomponent Dry Toner Clean and environmentally friendly press operation
Fusing Method:	Flash Fusing
Resolution:	600 x 600 dots (multi resolution 240, 300, 480 -> 600 by operator switching)
User Interfaces:	Graphical User Interface on touch screen
Print Media:	Pin-less, tension-fed web Print Media : Paper, synthetic media, label stock Media Width : up to 20.5 inches (520 mm) Media Weight : 11 to 64 lb. bond (40 to 240 gsm)
Print Format :	Printing Width : up to 18.50 inches (470 mm) Printing Length : 2 to 35.75 inches (50,8 to 908 mm)
Connectivity:	Network TCP/IP: Nipson OpenPage Server & Print Station (SDP, PostScript & PCL converted into SDP). Network TCP/IP: IPDS Page Printer Emulation
Power Requirements:	Voltage : Universal 3 Phase 400 V +/-10 % between phases - 50 Hz +/-1 Hz, 90 A 208 V +/-10 % between phases - 50 Hz +/-1 Hz , 90 A (with external transformer) Power Consumption : see chart below
Physical Specifications:	Simplex Print Engine : Width : 55.1" (1400 mm) Length : 82.7" (2100 mm) Height : 70" (1780 mm)

NIPSON VaryPress 400	-10	-20
Printing mode (X standard feature, O option)		
Simplex Printing	X	X
Duplex Printing	O TED	O TED
Printing Speed (up to):		
Meters per minute	25 to 105	25 to 125
Feet per minute	82 to 344	82 to 410
European formats (ipm):		
A4 Landscape (21 x 29.7 cm)	500	595
A4 Portrait, two up (2 x 29.7 x 21 cm)	707	842
A3 Landscape (29.7 x 42 cm)	354	421
American formats (ipm):		
Letter Landscape (11 x 8.5 inch)	486	579
Letter Portrait, two up 2 x (8.5 x 11 inch)	752	895
Legal Landscape (14 x 8.5 inch)	486	579
Legal Portrait, two up 2 x (8.5 x 14 inch)	591	703
Ledger Landscape (17 x 11 inch)	376	448
Power Consumption: (Average Consumption)	24 kW	27 kW
Heat dissipation:		
KBTU	54	72
kcal/h	13.5	18