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*To ensure your machine in good condition, please use the authentic spare parts.
*All the information in this brochure have been checked carefully, if there is any mistake during printing, Hans Gronhi would not take any responsibilities arising from it.
*The photos may have slight differences with the machines during printing, please subject to the machines.

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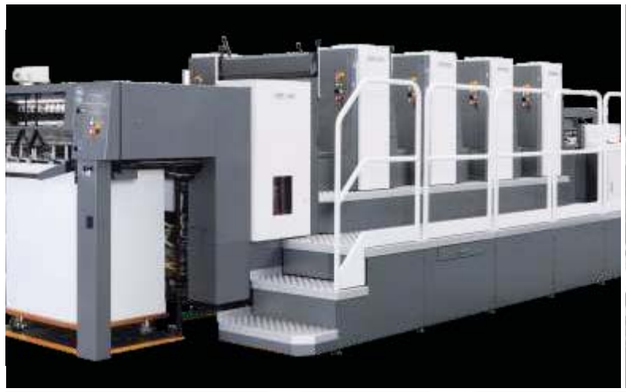
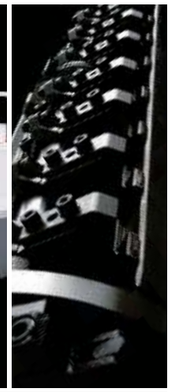
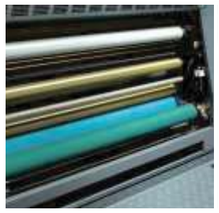






CONTENTS

http://www.gronhi.com

Precision
Performance
Profitability

Hans-Gronhi Graphic Technology Company Limited is located at the shore of Bohai Sea on the banks of Big Liao River, at Liaoning (Yingkou) Coastal Industry Base, which is a well-known development and production base in China.

In 2011, Hans-Gronhi successfully purchased established major Japanese manufacturer Shinohara. The purchase of knowledge and product technology, patents, high specification machinery and all the inventory, now means an acceleration into the field of high quality, high specification and large format presses!

Hans-Gronhi has now two major brands " GRONHI " and " SHINOHARA " The "Gronhi" range of products provide low cost, high efficiency, and an integrated digital solution for small to medium sized printing companies in the pre-press, printing and post press fields. The newly integrated "Shinohara" brand of products, provide high quality, high efficiency, high specification printing solutions for medium to large sized printing companies.

Hans-Gronhi has become the leading manufacturer in the Chinese offset printing industry, achieving the Number One sales throughout the country. Hans-Gronhi exports machines worldwide including European countries, North and South Americas, Africa, Asia, and Russia, etc.

HANS is regarded as Nation of Chinese, GRONHI is regarded as Crown of China, It's the combination of technology and capital, traditional culture and modern civilization express the deep intention of the modern enterprise culture. Offering the best printing solution to the customer, our vision is to be the most powerful quick printing integration supplier in the world!

Hans-Gronhi takes the principle of setting classic Hans-Gronhi by perfect quality, creating superb service brand of Hans-gronhi with credit and integrity, realizing continuous development for Hans-Gronhi by steady rationality, promoting national printing industry with broad mind.

Faster, more precise, higher in quality, since original founded as a precision machine tool manufacturer in 1919, In 1957, the first Japanese automated two-revolution printing press was produced, In 1979, Shinohara released its patented perfecting system, and continuously launched 52/56/66/75/79/92/109 series of multi-color printing presses, which are listed in the top of the printing industry.

Now Hans-Gronhi has established both a separately Shinohara division in China and Shinohara Japan Factory in Shizuoka Japan to operate the production,management and service as the original advanced Japanese way, the brand integration of Gronhi and Shinohara are now set, it will more than ever to be a significant influential force within the Global Printing Industry.

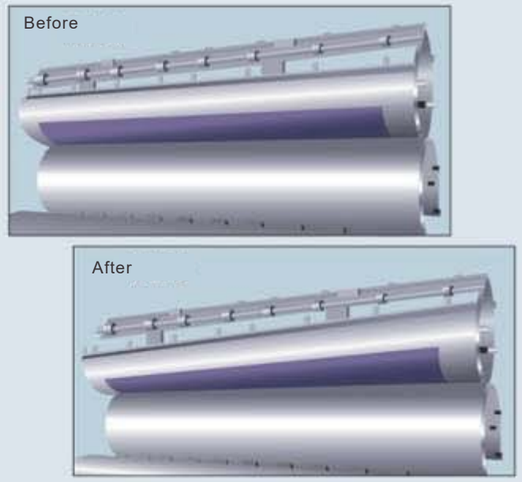
SHINOHARA UNIQUE ONE BASE MACHINE BED

One base machine beds are adopted on Shinohara printing machines, which ensures the machines running stability during high speed, achieving the high precision, and the long run of machine.

REMOTE CONTROL PLATE REGISTER SYSTEM ENABLES ADJUSTMENTS DURING PRINTING OPERATION.

Shinohara's plate clamp cocking system features a correlative fine adjustment system that automatically compensates tension on the printing plate when the operator presses the cocking button for a given direction. The result is superior register accuracy without undue pressure being applied to the plate. The plate clamp cocking range is upto 0.6mm, which allows ample adjustment regardless of the type of plates.

Note: The technology in Shinohara's plate clamp cocking system is patented.

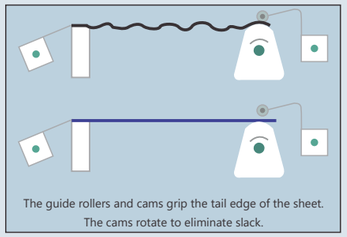


ADVANCED SHINOHARA PERFECTING TECHNOLOGY GAINS WORLD-WIDE RECOGNITION

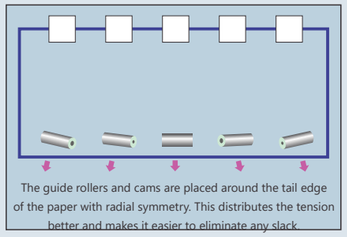
In 1979, Shinohara developed the first perfecting press in Japan, and it received wide acclaim throughout the entire printing industry. In more than 30 years since that time, perfecting systems have been built into more than 4,600 printing presses. This outstanding technology and quality can be found in printing facilities both inside and outside Japan, and it has been patented in five countries—Japan, Germany, the United States, the United Kingdom and Australia.

THE PAPER-END GUIDE SYSTEM DISTRIBUTES TENSION ACROSS THE SHEET

The most important factor in a perfecting system is its ability to control the tail edge of a sheet that one side has already been printed, so that the tail edge of the sheet is guided properly to the next grippers. Shinohara employs a paper-end guide system to assure superior register accuracy in the perfecting mechanism. This system is positioned around the double diameter perfecting cylinder, so that it can wrap the sheet around the cylinder efficiently while still applying tension to the sheet. Thanks to the guide system, the tail edge of the sheet is fed into the gripper properly every time. This assures consistent paper transport and superior register accuracy during the double-sided printing.



The guide rollers and cams grip the tail edge of the sheet. The cams rotate to eliminate slack.

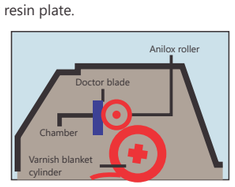


The guide rollers and cams are placed around the tail edge of the paper with radial symmetry. This distributes the tension better and makes it easier to eliminate any slack.

HIGH-VALUE ADDED SYSTEM

In-line coating unit

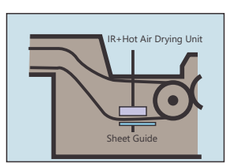
Shinohara's in-line coating unit uses a chamber-type doctor blade system. The doctor blade creates an even layer of varnish on the sheet, assuring high-quality coating. The unit also features an automatic preparation unit and automatic washing, turning operations that used to be extremely time-consuming into simple touch-panel procedures that save time and trouble . The entire surface of the sheet can be coated. Or spot coating can be used with the application of a convex resin plate.



Drying systems

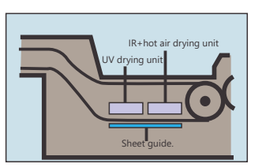
Application of drying systems

For presses with or without an aqueous coating unit, and infrared (IR) dryer and a hot air dryer can be used at the machine delivery area. The IR drying application reduces the amount of spray powder required, and decreases the waiting time before the next production process. For presses with a UV coating unit or UV printing application, a UV curing system can be installed in the delivery area and /or between printing units.



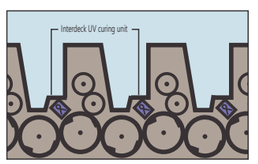
UV curing system

For presses with a UV coating unit or UV printing application, UV curing is available. This highly effective curing system requires small spaces, and can also be used during printing with UV/hybrid type inks. With the UV curing system, presses can also be fitted with an IR dryer.



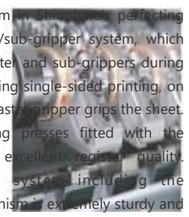
Interdeck UV curing unit

An interdeck UV curing unit can be installed between printing units. The interdeck UV curing system reduces problems with trapping when UV/hybrid inks are used. Since Shinohara presses utilize UV curing, they can also be used for special types of production, such as printing onto plastic.



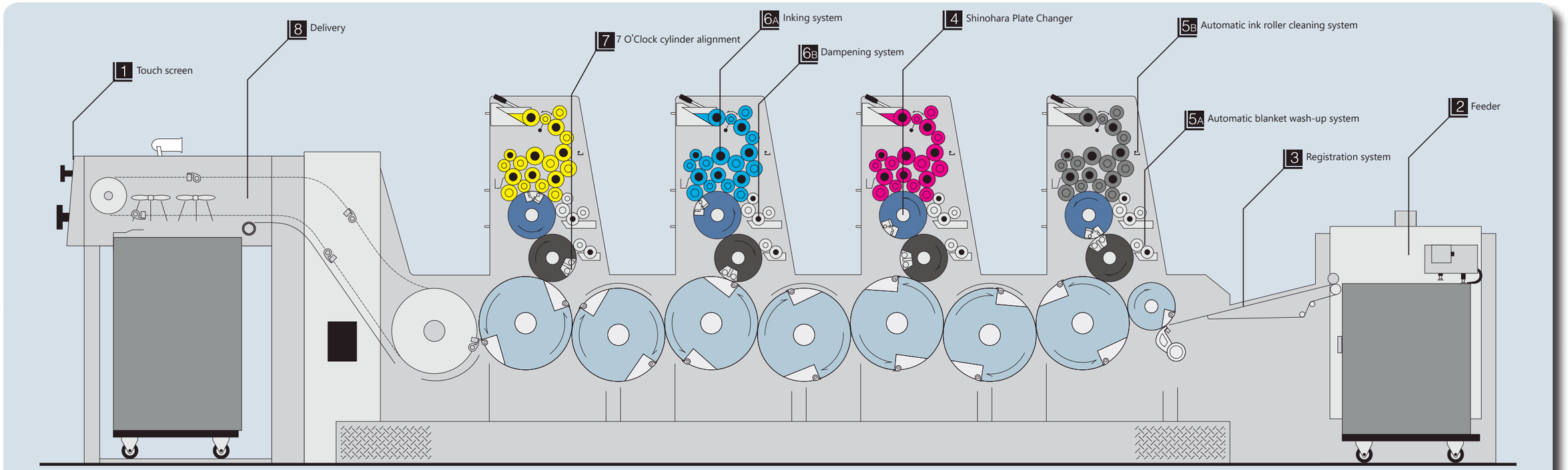
The master/sub-gripper system provides excellent register accuracy

The paper transport system in Shinohara's perfecting system features a master/sub-gripper system, which grips the sheet in the master and sub-grippers during double-sided printing. During single-sided printing, on the other hand, only the master gripper grips the sheet. As a result, even printing presses fitted with the perfecting system offer excellent register quality. Shinohara's perfecting system, including the master/sub-gripper mechanism, is extremely sturdy and can handle high-speed printing.



66 75 79

Sophisticated components on advanced technology increase productivity and profitability



1 Touch screen designed for interactive operation

A wide variety of tasks can be controlled using a touch screen designed to enhance operator efficiency. Operators can also monitor their settings on the screen when they select plates or switch to perfecting.

2 Feeder head based on advanced technology

Redesigned feeder head meet the high speed production. There are also fewer adjustments required when changing the sheet size，which improves paper feed performance and reduces operator's adjustments.

3 Registration system that maintains performance at high production speeds

Increasing the rigidity of grippers made consistent registration at high speed printing possible. In addition, an ultrasonic double-sheet detector is used for monitoring misfeed papers regardless of thickness or color.

4 SPC (Shinohara Plate Changer)

Shinohara's SPC offers semi-automatic plate changing at the touch of a button, and requires no 90o bender and no tools, so any operators can change plates quickly and precisely. Plate changeover takes less than a minute per unit. This speeds press make-ready, increases press run time, and improves overall efficiency.

5 Automatic cleaning systems

(A. Automatic blanket wash-up system/
B. Automatic ink roller cleaning system)

Keeping the blanket cylinders and ink rollers clean is integral to maintaining printing quality. Shinohara's automatic cleaning systems complete the cleaning operations at the touch of a button, in under a minute.

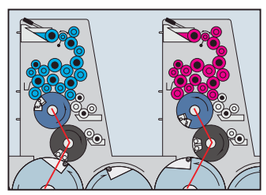
6 Inking system with optimal water balance

(A. Inking system/
B. Dampening system)

The optimal roller layout was designed to improve the efficiency of ink distributions. Our system achieves an ideal ink transfer and always maintains optimal ink/water balance. Rider roller position is changeable for small image printing.

7 7 O'Clock cylinder alignment

Shinohara 66/75/79 multicolor series of presses use 7 O'Clock cylinder alignment (plate, blanket and impression cylinders), preventing the gap shock marking. Developed with the aid of computers, this superior cylinder layout also assures better ink distribution and ink film thickness.



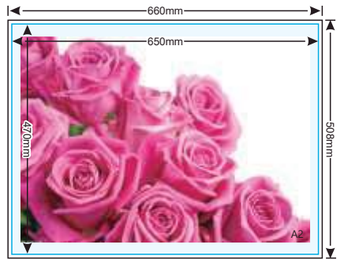
8 Accurate deliver control

Shinohara's air blowers and sheet brakes function in an efficient manner, assuring proper paper delivery right down to the last sheet printed. Improved mechanisms including front and side paper jogs assure consistent output. An optional built-in infrared dryer can be applied to reduce time between production processes.

66 SERIES

66 HIGH-PILE

66 MEDIUM-PILE



66 SERIES

FEATURES

Next Generation Type Operation Console

Ink Key Control has been changed into a slide type ink key action ensuring more accurate ink control, also the operation console control system has been upgraded for providing multiple interfaces.

Double-diameter impression cylinders

66/75/79 four color medium-pile printing machines cylinder configuration with double-diameter impression cylinders expand the range of stock up to 0.6mm thickness.

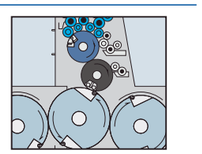


Plate cocking system with patented technology for exellent accuracy

Shinohara's patented plate clamp cocking system features a correlative system that enables fine adjustments to be made to plate register without applying undue pressure to the plate. Plate register can be adjusted during printing. The cocking adjustment range is up to 0.6mm,that makes the system ideal for various types of printing plates.

Shinohara's perfecting system offers excellent register accuracy

The 66 High-pile series features a perfecting system with double diameter transfer cylinders for improved register accuracy.The Shinohara perfecting system applies master/sub-gripper system and paper-end guide rollers to ensure precise paper transfer and register.The changeover operation from straight to perfector and vice versa is easy and monitored by visible guidance.

Specifications S■nohara 66 Series

	66IVH/VH VIH/VIIIH	66IVHP/VHP/VIHP/VIIIHP	
		Single-sided	Perfecting
Running Speed (SPH)	4,000-16,000	←	←
Maximum Sheet Size	508×660mm 20"×25 63/64"	←	←
Minimum Sheet Size	200×296mm 7 7/8"×11 21/32"	←	257×296mm 10 1/8"×11 21/32"
Runnable Paper Thickness	0.04-0.60mm 0.002"-0.023"	0.04-0.40mm 0.002"-0.016"	←
Maximum Printing Area	470×650mm 18 1/2"×25 19/32"	←	←
Plate Size ※※1 ※※2	550×650mm 21 21/32"×25 19/32"	←	←
※※1 ※※2	560×670mm 22 3/64"×26 3/8"	←	←
Feeder Pile Height	900mm 35 7/16"	←	←
Delivery Pile Height	730mm 23 5/8" ※※3	←	←

Note: All specifications and technical data shown in this brochure indicate the best possible performance, and are not guaranteed in the use of all actual printing production environment.
※1 Size selectable (Factory Setting) ※2 Thickness selectable (Factory Setting) 0.2mm (0.008") or 0.24 (0.009") ※3 520mm/20 15/32" for machines with Double-diameter Impression Cylinders.

Power Requirement/Machine Dimensions

	Total Power Required (kw)	Machine Weight(kg)	Machine Dimesions(mm)
66IVH	34.1	14,700 kg	7,227×2,840×1,857
66IVHP	34.1	15,050 kg	7,687×2,840×1,857
66VH	42.9	17,050 kg	8,142×2,840×1,857
66VHP	42.9	17,400 kg	8,602×2,840×1,857
66VIH	49.9	19,500 kg	9,057×2,840×1,857
66VIHP	49.9	19,850 kg	9,517×2,840×1,857
66VIIIH	62	24,300 kg	10,887×2,840×1,857
66VIIIHP	62	24,650 kg	11,347×2,840×1,857

75 SERIES

75 HIGH-PILE

FEATURES

Next Generation Type Operation Console

Ink Key Control has been changed into a slide type ink key action ensuring more accurate ink control, also the operation console control system has been upgraded for providing multiple interfaces.

Plate cocking system with patented technology for exellent accuracy

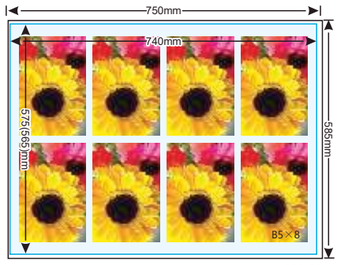
Shinohara's patented plate clamp cocking system features a correlative system that enables fine adjustments to be made to plate register without applying undue pressure to the plate. Plate register can be adjusted during printing. The cocking adjustment range is up to 0.6mm,that makes the system ideal for various types of printing plates.

Value-added printing with in-line coating system

The 75 Multicolor High-pile series can be fitted with a chamber-type doctor blade aqueous or Aqueous/UV in-line varnish coating system that can also be used for spot coating with a convex resin plate. The press can also use infrared dryer and cold UV curing system that enables printing onto plastic as well as a wide variety of papers.

Shinohara's perfecting system offers excellent register accuracy

The 75 High-pile series features a perfecting system with double diameter transfer cylinders for improved register accuracy.The Shinohara perfecting system applies master/sub-gripper system and paper-end guide rollers to ensure precise paper transfer and register.The changeover operation from straight to perfector and vice versa is easy and monitored by visible guidance.



75 SERIES

Specifications S■nohara 75 Series

	75IVH/VH VIH/VIIIH	75IVHP/VHP/VIHP/VIIIHP	
		Single-sided	Perfecting
Running Speed (SPH)	4,000-16,000	←	←
Maximum Sheet Size 20inch	520×750mm 20 15/32"×29 17/32"	←	←
23inch ※1	585×750mm 23 1/32"×29 17/32"	←	←
Minimum Sheet Size	260×400mm 10 1/4"×15 3/4"	←	300×400mm 11 13/16"×15 3/4"
Runnable Paper Thickness	0.04-0.60mm 0.002"-0.023"	0.04-0.40mm 0.002"-0.016"	←
Maximum Printing Area 20inch	545×740mm 21 15/32"×29 9/64"	←	←
23inch	575×740mm 22 41/64"×29 9/64"	←	565×740mm 22 15/64"×29 9/64"
Plate Size 20inch ※2	605×754mm 23 13/16"×29 11/16"	←	←
23inch ※2	635×754mm 25"×29 11/16"	←	←
Feeder Pile Height	900mm 35 7/16"	←	←
Delivery Pile Height	730mm 23 5/8"	←	←

Note:All specifications and technical data shown in this brochure indicate the best possible performance,and are not guaranteed in the use of all actual printing production environment.
※1 Machine type selectable. ※2 Thickness selectable(Factory Setting)0.2mm、0.24mm or 0.3mm

Power Requirement/Machine Dimensions

	Total Power Required (kw)	Machine Weight(kg)	Machine Dimesions(mm)
75IVH	34.2	15,750 kg	7,227×2,930×1,857
75IVHP	34.2	16,150 kg	7,687×2,930×1,857
75VH	42.9	18,950 kg	8,142×2,930×1,857
75VHP	42.9	19,350 kg	8,602×2,930×1,857
75VIH	50.0	22,300 kg	9,057×2,930×1,857
75VIHP	50.0	22,700 kg	9,517×2,930×1,857
75VIIIH	62	28,650 kg	10,887×2,930×1,857
75VIIIHP	62	29,050 kg	11,347×2,930×1,857

79 SERIES

79 HIGH-PILE

FEATURES

Next Generation Type Operation Console

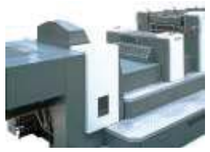
Ink Key Control has been changed into a slide type ink key action ensuring more accurate ink control, also the operation console control system has been upgraded for providing multiple interfaces.

Plate cocking system with patented technology for exellent accuracy

Shinohara's patented plate clamp cocking system features a correlative system that enables fine adjustments to be made to plate register without applying undue pressure to the plate. Plate register can be adjusted during printing. The cocking adjustment range is up to 0.6mm,that makes the system ideal for various types of printing plates.

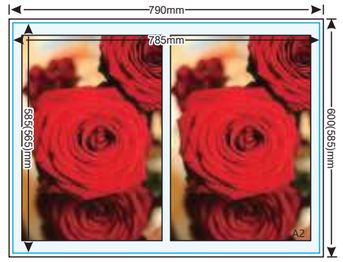
Value-added printing with in-line coating system

The 79 Multicolor High-pile series can be fitted with a chamber-type doctor blade aqueous or Aqueous/UV in-line varnish coating system that can also be used for spot coating with a convex resin plate. The press can also use infrared dryer and cold UV curing system that enables printing onto plastic as well as a wide variety of papers.



Shinohara's perfecting system offers excellent register accuracy

The 79 High-pile series features a perfecting system with double diameter transfer cylinders for improved register accuracy.The Shinohara perfecting system applies master/sub-gripper system and paper-end guide rollers to ensure precise paper transfer and register.The changeover operation from straight to perfector and vice versa is easy and monitored by visible guidance.



79 SERIES

Specifications S■nohara 79 Series

	79IVH/VH VIH/VIIIH	79IVHP/VHP/VIHP/VIIIHP	
		Single-sided	Perfecting
Running Speed (SPH)	4,000-16,000	←	←
Maximum Sheet Size	600×790mm 23 5/8"×31 7/64"	585×790mm 23 1/32"×31 7/64"	←
Minimum Sheet Size	260×400mm 10 1/4"×11 21/32"	←	300×400mm 11 13/16"×15 3/4"
Runnable Paper Thickness	0.04 0.60mm 0.002" 0.023"	0.04 0.40mm 0.002" 0.016"	←
Maximum Printing Area	585×780mm 23 1/32"×30 45/64"	575×780mm 22 41/64"×30 45/64"	565×780mm 22 15/64"×30 45/64"
Plate Size ※1	645×794mm 25 25/64"×31 17/64"	←	←
Feeder Pile Height	900mm 35 7/16"	←	←
Delivery Pile Height	730mm 28 47/64"	←	←

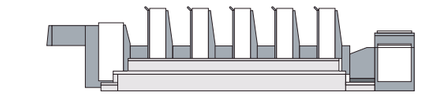
Note:All specifications and technical data shown in this brochure indicate the best possible performance,and are not guaranteed in the use of all actual printing production environment.
※1 Thickness selectable (Factory Setting):0.24mm (0.009" or 0.3 0.012")

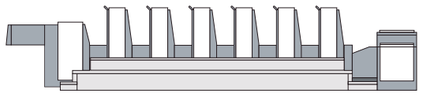
Power Requirement/Machine Dimensions

	Total Power Required (kw)	Machine Weight(kg)	Machine Dimesions(mm)
79IVH	34.9	16,150 kg	7,227×2,970×1,857
79IVHP	34.9	16,600 kg	7,687×2,970×1,857
79VH	42.9	19,450 kg	8,142×2,970×1,857
79VHP	42.9	19,900 kg	8,602×2,970×1,857
79VIH	50.0	22,800 kg	9,057×2,970×1,857
79VIHP	50.0	23,310 kg	9,517×2,970×1,857
79VIIIH	62.0	29,450 kg	10,887×2,970×1,857
79VIIIHP	62.0	30,020 kg	11,347×2,970×1,857

92 SERIES

92HIGH-PILE





92 SERIES

FEATURES

SPC (Shinohara Plate Changer)

Shinohara's SPC offers semi-automatic plate changing at the touch of a button, and requires no 90o bender and no tools, so any operators can change plates quickly and precisely. Plate changeover takes less than a minute per unit. This speeds press make-ready,increases press run time, and improves overall efficiency.

Feeder head based on advanced technology

The 92 Multicolor High-pile series features a redesigned feeder head to meet the high speed production. There are also fewer adjustments required when changing the sheet size, which improves paper feed performance and reduces operator's adjustments.

7 O'Clock cylinder alignment

Shinohara 92 High-pile series press uses 7 O'Clock cylinder alignment (plate, blanket and impression cylinders), preventing the gap shock marking. Developed with the aid of computers, this superior cylinder layout also assures better ink distribution and ink film thickness.

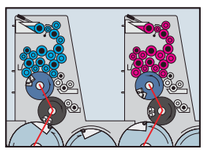


Plate cocking system with patented technology for exellent accuracy

Shinohara's patented plate clamp cocking system features a correlative system that enables fine adjustments to be made to plate register without applying undue pressure to the plate. Plate register can be adjusted during printing. The cocking adjustment range is up to 0.6mm,that makes the system ideal for various types of printing plates.

Next Generation Type Operation Console

Ink Key Control has been changed into a slide type ink key action ensuring more accurate ink control, also the operation console control system has been upgraded for providing multiple interfaces.

Value-added printing with optional systems

The 92 High-pile series can be fitted with a chamber-type doctor blade aqueous or aqueous/UV in-line varnish coating system that can also be used for spot coating with convex resin plate. The press can also use infrared dryer and cold UV curing system that enables printing onto plastic as well as a wide variety of papers.

Specifications Shinohara 92 Series

	92IVH/VH
Running Speed(SPH) ※1	4,000~16,000
Maximum Sheet Size	625×920 mm(24 3/5"×36 1/5")
Minimum Sheet Size	260×400 mm(10 1/4"×15 3/4")
Runnable Paper Thickness	0.04~0.70 mm(0.002"~0.028")
Maximum Printing Area	615×910 mm(24 7/23"×35 13/16")
Plate Size	665×924 mm(26 3/16"×36 3/8")
Feeder Pile Height	1,070 mm(42 1/8")
Delivery Pile Height	900 mm(35 7/16")

※1 Printing speed may vary depending on the printing conditions and operating environment.

Machine Dimensions

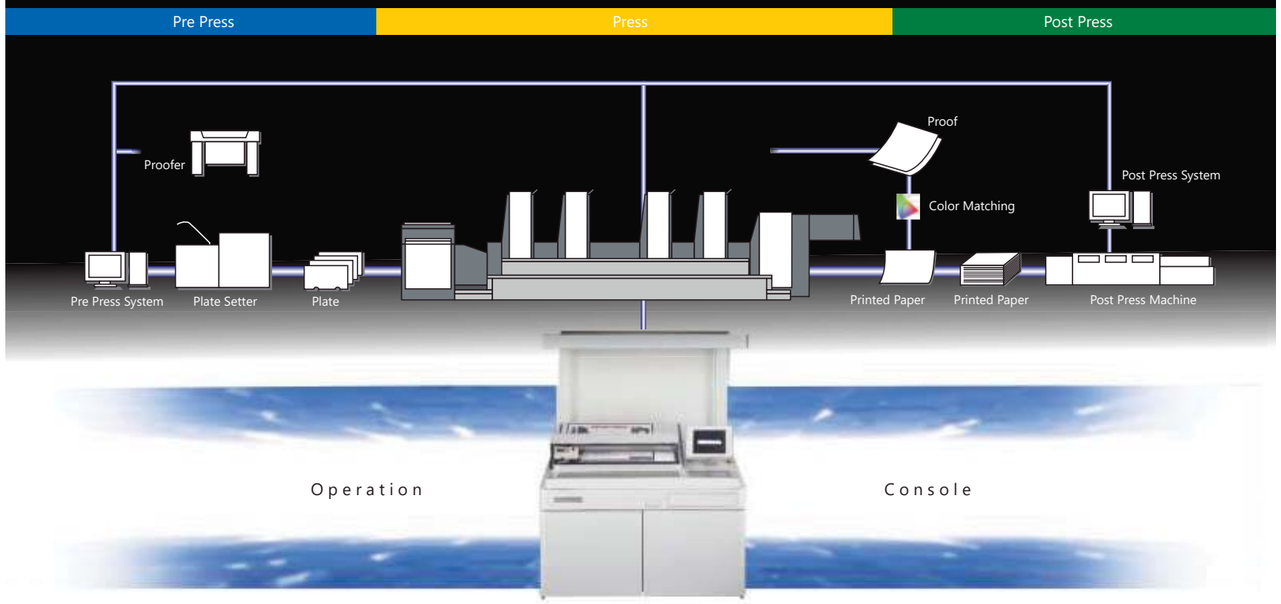
	92IVH	92VH
Total Power Required (kw)	44.0 kw	51.0 kw
Machine Weight(kg)	18,090 kg	21,790 kg
Machine Dimesion(mm)	7,499×3,400×2,027	8,414×3,400×2,027

Note: All specifications and technical data shown in this brochure indicate the best possible performance, and are not guaranteed in the use of all actual printing production environment.

SHINOHARA PRINTING NETWORK SOLUTION

The S-Net System manages the entire printing process digitally, from prepress color management and color control at the printing press, to the location where printing press operates. S-Net's digital technology creates a seamless workflow that provides high efficiency, high quality, and high profitability.

Shinohara S-net system is registered trademark of Shinohara.



Shinohara CIP3 Station

The Shinohara CIP3 station uses JDF data and PPF files created during prepress processing to automatically preset ink key apertures. This enables faster make-ready and reduces waste. Operators are freed from the need to laboriously make ink settings. Instead, they get fast, optimum ink key presets through the simplest of operations.

Shinohara CIP4 Center/Station※

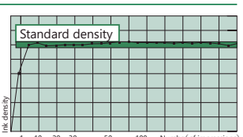
Shinohara CIP4 Center/Station uses JDF to manage not only image data but also paper, ink and job progress information Pre-press, Press and Post-press that communicate with MIS (Management Information System).

※Shinohara CIP4 Center/Station requires MIS.

SCCS (Shinohara Color Control Station)

SCCS controls ink density, a factor that tends to change when there are variations in printing conditions. A color bar on a target sheet is measured by a scanning system in advance, and these values are saved to SCCS as standard density values. Then, a printed sheet is scanned, and the existing values on the printed sheet are compared to the stored standard values. Correction data is sent to the operation console, and the ink keys are adjusted automatically. During production printing, the sheets are scanned periodically and the ink key apertures are adjusted as necessary. This means that after ink density values are saved during printing, it's easy to maintain the target sheet quality.

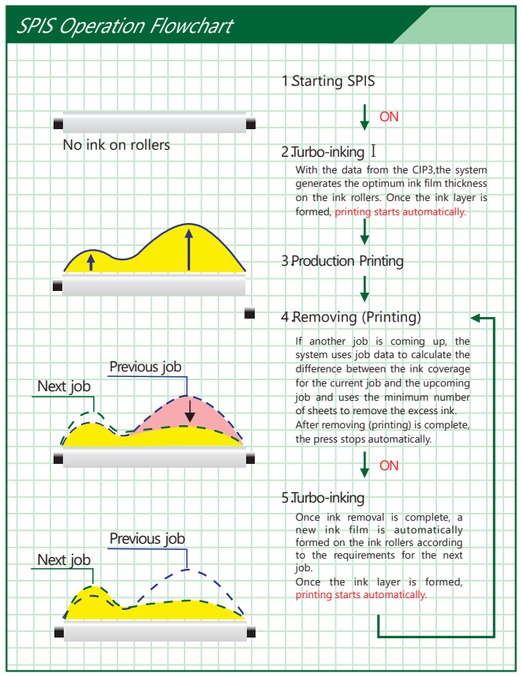
SPIS (Shinohara Pre-Inking System)



The SPIS※ system increases efficiency and precision while substantially reducing the time required for adjustments before production printing can begin, by creating ink presets with the data from the CIP3 and SRIM (Shinohara's Register Mark and Image Area Measurement System). Using information from SRIM and CIP3 data, SPIS automatically creates the ideal ink film on the ink rollers and then starts printing, elimination the need for operators to manually adjust ink keys, or to run the press to achieve the proper ink film on the ink rollers. SPIS also increases efficiency and productivity by comparing the data for the current job with that for the next job, making it possible to quickly achieve the appropriate ink coverage for the upcoming job. Note: The system may require tuning to compensate for variations in paper selection and printing environment conditions such as humidity.

※SPIS is a registered trademark of Shinohara.

SPIS Operation Flowchart



FEATURES & ACCESSORIES

● Standard ● Option ○ None

	Items	52 SERIES	66/75/79 SERIES		92 SERIES
			HIGH-PILE	MEDIUM-PILE	
Feeder & Register Systems	Feeder Pile Paper Preloading Device	●	●	●	●
	Mechanical Double Sheet Detector	●	●	●	●
	Electrical Double Sheet Detector	●	○	○	○
	Ultrasonic Double Sheet Detector	●	●	●	●
	On-the-Run Feeder Timing Adjustment	●	●	●	●
	Impression On/Off Detector	●	●	●	●
	Overrun Sheet Detector	●	●	●	●
	Side Guide Paper Detector	●	●	●	●
	Antistatic Blower on Feeder Head	●	●	●	●
	Non Stop Feeder	○	●	○	●
Inking & Dampening Systems	Remote Controlled Ink Key Adjustment	●	●	●	●
	Dampening Fountain Roller Speed Remote Control System	●	●	●	●
	Free Standing Dampening Cooling/Circulating Unit	●	●	●	●
	Continuous Dampening System	●	●	●	●
	Segmented Ink Fountain Blade	●	●	●	●
	Ink Roller Wash up Blade/Tray	●	●	●	●
	Dampening Solution PH Controller	●	●	●	●
	Automatic Alcohol (IPA)% Controller	●	●	●	●
	Hickey Picker Device	●	●	●	●
	Automatic Ink Roller Wash up System	●	●	●	●
	Oscillating Ink Form Roller	●	●	●	●
	Temperature Controlled Printing System(TCPS)	○	●	●	●
Cylinder System	Plate Cylinder Lateral/Radial Remote Control Device	●	●	●	●
	SPC (Shinohara Plate Changer) Semi automatic	●	●	●	●
	Automatic Blanket Wash up System	●	●	●	●
	Operation Side Impression Adjustment Dial	●	●	●	●
	Impression Pressure Pre-set System	○	●	●	●
	Anti-smearing Paper on Transfer Cylinder	●	●	●	●
	Delivery Missing Sheet Detector	●	●	●	●
	Semi-automatic Perfecting Changeover System	●	●	●	○
	Plate Clamp Cocking System	○	●	●	●
	Plate Cylinder Cocking System	●	○	○	○
	Automatic Impression Cylinder Wash up System	○	●	●	●
Delivery System	Sheet Decurler	●	●	●	●
	Static Eliminator	●	●	●	●
	Spray Powder System	●	●	●	●
	Sheet Brake	●	●	●	●
	Faulty Delivered Sheet Detector	●	●	●	●
	Tab Inserter	●	●	●	●
	Nonstop Delivery	○	●	●	●
	Swing-away Unit (Imprinting and Numbering)	●	○	○	○
	Radial Perforating Device	●	○	○	○
	Spray Powder Replenisher	●	●	●	●
	Longer Delivery	○	●	○	●
Varnish & Drying Systems	Aqueous Inline Coater	○	●	●	●
	UV & Aqueous Inline Coater	○	●	●	●
	Infrared Dryer Device	●	●	●	●
	UV Curing Device	○	●	●	●
	Interdeck UV Curing Device	○	●	●	●
Others	POD Touch Screen	●	●	●	●
	Total Counter	●	●	●	●
	Preset Sheet Counter	●	●	●	●
	Paper Size Pre-set System	○	●	●	●
	Operation Console	●	●	●	●
	Shinohara CIP3 Station	●	●	●	●
	Shinohara CIP4 Center/Station	●	●	●	●
	Shinohara Pre-Inking System (SPIS)	●	●	●	●
	Shinohara Color Control Station (SCCS)	●	●	●	●
	Shinohara Plate Puncher	●	●	●	●

※The above features and accessories are only for reference, which are subject to change without notice.