

Tanto 6120

High-end Imagesetter

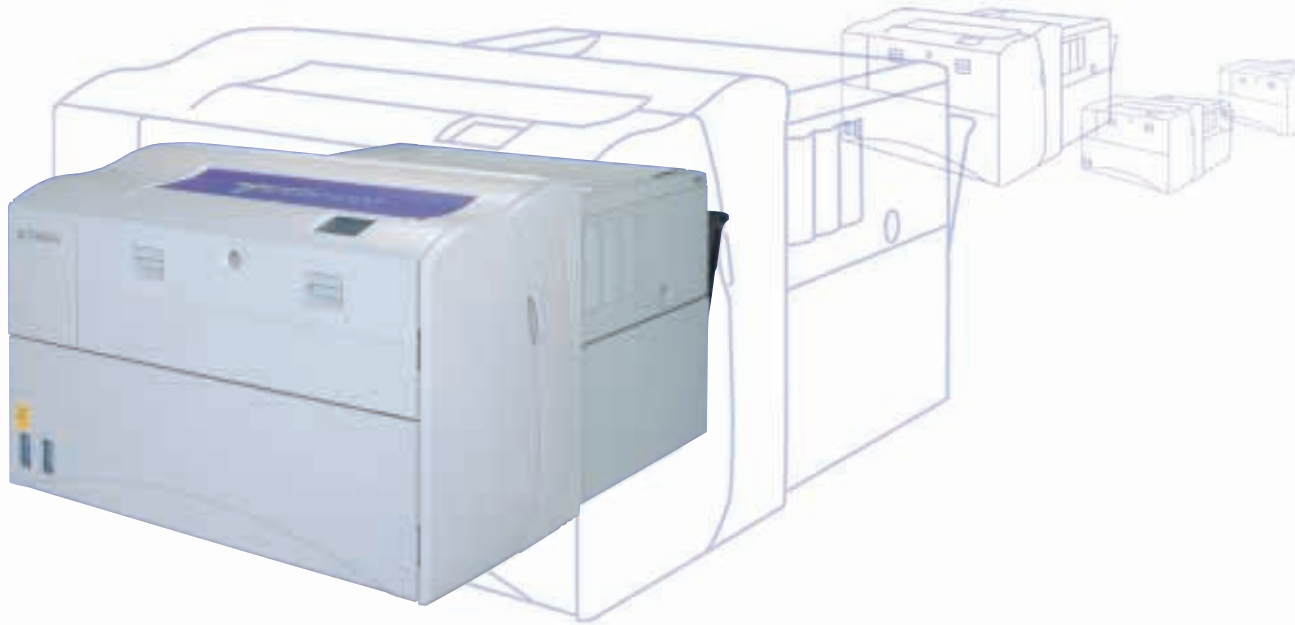
CTF



Innovation & Reliability

Quality. Reliability. Productivity.

THE TANTO 6120 IS A HIGH-END, EXTERNAL-DRUM, 8-UP IMAGESETTER THAT LETS YOU CONSISTENTLY GET MORE JOBS DONE IN LESS TIME. IT CAN HANDLE MEDIA SIZES UP TO 838 X 1,145 MM (33" X 45") AND HAS SIX RESOLUTION SETTINGS BETWEEN 1,200 AND 4,000 DPI. IT CAN BE USED TO IMAGE SIX DIFFERENT SIZES OF POSITIVE AND NEGATIVE FILMS, AS WELL AS RC PAPER AND POLYESTER CTP PLATES. ITS MEDIA HANDLING SYSTEM IS SECOND TO NONE. IT HAS AN EASY-TO-USE TOUCHSCREEN INTERFACE AND IS SUPPORTED BY A RANGE OF WORKFLOW OPTIONS INCLUDING MULTIPLE INTERNAL PUNCH-BLOCKS AND AN INLINE PROCESSOR, AS WELL AS A RANGE OF HIGH-POWERED RIPS.



High-speed eight-up with superior quality

Slash the time barrier

The Tanto 6120's imaging speed is the key ingredient in a total recipe for high throughput. For a media size of 810 x 1,120 mm (31.8" x 44.1") at 2400 dpi without punching, it can comfortably output 20 flats per hour. Even when equipped with an automatic, internal punching option, it will still output 17 flats per hour of three-pin punched film in perfect register. To achieve this impressive speed, a high-power LED array simultaneously images a 120 channel-wide swath while the drum spins at up to 510 rpm. What's more, it can receive data at a full 16 MB/sec through its F-PIF (fast PIF) interface, which further enhances its throughput capabilities.

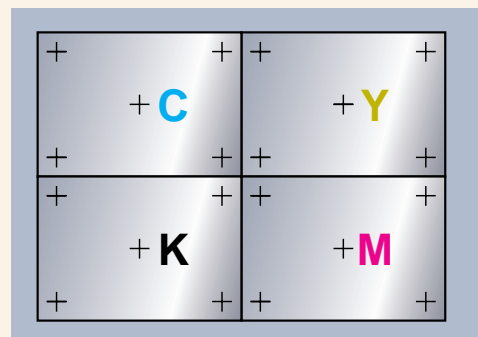
CHOICE OF FORMATS AND RESOLUTIONS

The Tanto 6120's maximum media size of 838 x 1,145 mm (33" x 45") supports 8-up output with plenty of room to spare, while the minimum media size of 610 x 830 mm (24" x 32.7") is suitable for A2 or 4-up output. It has six imaging resolutions, 1200, 2000, 2400, 3000, 3500*, and 4000 dpi, offering a full array of choices for output quality. The minimum spot size of 6.35 microns helps assure that images are recorded clearly and crisply even at the highest resolutions, while spot size variability helps optimize image quality at each resolution setting.

* Available only with TaigaSPACE

HIGH PRECISION

The Tanto 6120's advanced external drum design delivers extremely high precision imaging. This design allows the high-powered LED imaging head to be positioned extremely close to the media. It can always place spots from a position perpendicular to, and at a constant, short distance from, the media. This assures consistent spot addressability. The Tanto 6120 is so accurate that it excels even at difficult tasks like outputting multiple separations of a single page on the same sheet of media. This is made possible by preventing film distortion with a low-stress loading system that puts minimal tension on the media during loading.



Reliable and versatile media handling

Multiple imaging choices

The Tanto 6120 can image positive and negative films, RC (resin coated) paper, and polyester plates. The optional take-up cassette enables two media flows on the same unit. For example, you could decide to output film to the inline processor, while outputting flexible polyester plates to the take-up cassette for later processing. With this configuration, a single Tanto 6120 imagesetter can output several media sizes or media types just by selecting the appropriate supply magazine for the job.

EASY TO USE GUI

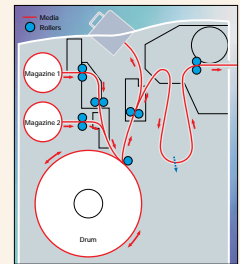
The touchscreen interface makes the Tanto 6120 easy to set up and operate. It shows options for output conditions, the type of media that is loaded, and the selected image sizes—it can even relay messages from the processor.



RELIABLE MEDIA HANDLING SYSTEM

The Tanto 6120's efficient and highly reliable media handling system assures rapid and consistent throughput. An autoloading function makes media handling easy. Once the media is inserted into the magazine, everything from feeding out and cutting the material to output can be done automatically in a full daylight environment.

An optional second supply magazine and optional internal punch system further reduce the need for operator intervention. On the media output end, a slack zone between the drum and the outlet to the inline processor prevents bottlenecks between devices.

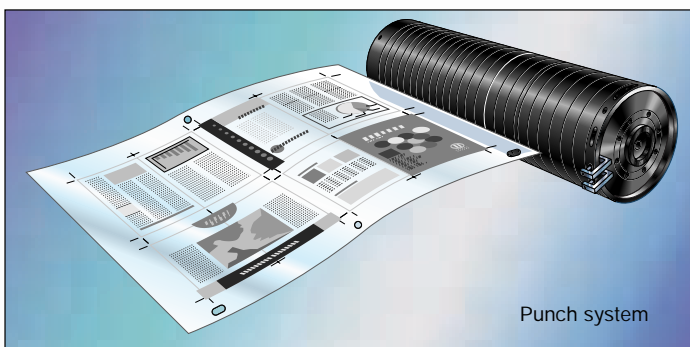


Minimum stress on media, maximum throughput. Dual magazine, auto media switching. Slack zone cuts idle time.

Options to fit your workflow

Automatic internal punching

Punching can be done automatically before imaging with an internal register punch system. Punch blocks from Stoesser, Bacher, Protocol, Grapho Metronik, and Screen are available, covering the full range of sizes. Stoesser configurations of up to 9 pins can be selected, and Stoesser tail-punching is available for the largest supported media sizes, 838 x 1,145 mm (33" x 45"), and 838 x 1,030 mm (33" x 40.5"). All punch blocks can be retrofitted or replaced in the field, which means the Tanto 6120 can be reconfigured as needed to support various presses.



Punch system

INLINE PROCESSOR

The optional inline processor is a compact unit, which helps keep the imagesetter/processor's combined footprint down due to its bridgeless design. The advanced processor tank design reduces chemical evaporation to provide more stable processing and reduced chemical consumption. What's more, the Tanto 6120's link to the processor features a new air curtain that prevents stray chemical vapor from drifting from the processor into the imagesetter and adversely affecting film quality.

IMAGING ACCELERATOR BOARD FOR PUNCH ALIGNMENT

This option helps maintain the speed of spiral mode imaging when you want to use automatic internal punching. You can use this option to make sure you get both the maximum imaging speed and maximum registration accuracy.

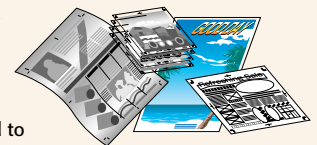
DUAL MAGAZINE SYSTEM

The Tanto 6120 is equipped with a dual magazine system (the second supply magazine is optional), which increases efficiency in a variety of ways. If both supply magazines are loaded with the same size film, the unit uses the contents of each sequentially.

With a different size of film

loaded in each, there is no need to

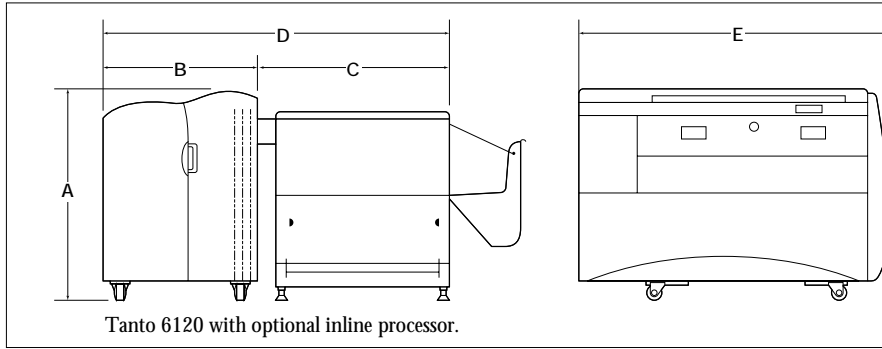
stop and reload between jobs. Film, RC paper or polyester plates can be loaded in either cassette, to be used as needed for each job. The unit keeps track of the kind and amount of media loaded into it. The dual supply magazine configuration improves overall efficiency and makes the selection and use of photosensitive media easier.



GET THE MOST OUT OF THE TANTO 6120 WITH HIGH-POWERED RIPs

Screen has a range of RIP'ing solutions to drive the Tanto 6120. In addition to the Harlequin-based HQ-510 series RIPs, there is the advanced, network production system Trueflow, as well as the acclaimed workflow automation system TaigaSPACE. All these offer rastering speeds that help make the most of the Tanto 6120's lighting-fast 8-up imaging capabilities, and all support the 16 MB/sec F-PIF interface, which provides double the data transmission rate of standard PIF. If you want quality, stability, and speed in your workflow, Tanto 6120 is the solution.

Space Requirements



Dimensions

	A	B	C
mm	1,100	830	1,024
inches	43.3	32.7	40.4
	D	E	
mm	1,854	1,650	
inches	73.0	65.0	

Technical Specifications

Model	Tanto 6120 (DT-R 6120)
Exposure system	External drum
Light source	120 channel, high-power LED array (660 nm)
Resolutions	1,200, 2,000, 2,400, 3,000, 3,500*, 4,000 dpi
Repeatability	±5 microns (±0.2 mil)
Spot size	Variable: 6.35 microns at 4,000 dpi; 21.17 microns at 1,200 dpi
Exposure speed	Up to 14,508 sq.cm/min (2,248 sq.in./min) at 1,200 dpi
Drum speed	270, 420 or 510 rpm
Compatible RIPs	HQ-510PM, HQ-510PC, T-RIP600, Trueflow
RIP interface	F-PIF
Weight	Basic: 490 kg (1,078 lb.) Fully equipped: 520 kg (1,144 lb.)
Environment	Operating: 18–28°C (64.4–82.4°F), 50–70% RH Down time: 15–33°C (59.0–91.4°F), 30–80% RH Storage: 10–40°C (50–104°F), 10–80% RH
Power requirements	Single phase 200-230 V 0.9 kW (including blower)

* Only available with TaigaSPACE.

Output Sizes

Film/RC paper	Media sizes	Image sizes	
		Media sizes	Image sizes
33 inch	838 mm (33.0") x 1,145 mm (45.0")	810 mm (31.9") x 1,120 mm (44.1")*	810 mm (31.9") x 1,005 mm (39.6")*
		838 mm (33.0") x 1,030 mm (40.5")	772 mm (30.4") x 1,005 mm (39.6")
	800 mm (31.5") x 1,030 mm (40.5")	711 mm (28.0") x 1,030 mm (40.5")	701 mm (27.6") x 1,005 mm (39.6")**
		660 mm (26.0") x 830 mm (32.7")	650 mm (25.6") x 805 mm (31.7")**
	660 mm (26.0") x 830 mm (32.7")	632 mm (24.9") x 805 mm (31.7")	
610 mm (24.0") x 830 mm (32.7")	582 mm (22.9") x 805 mm (31.7")		
Polyester plate	800 mm (31.5") x 1,030 mm (40.5")	810 mm (31.9") x 1,120 mm (44.1")*	772 mm (30.4") x 1,005 mm (39.6")
		838 mm (33.0") x 1,145 mm (45.0")	810 mm (31.9") x 1,005 mm (39.6")*

* When tail punching is used, the imageable width of 810 mm (31.9") is reduced to 793 mm (31.2").

** Punching is not available for these image sizes.

Options

Punches	B1, A1, B2, A2 size internal punch blocks Stoesser (B1 tail-punch also available), Bacher, Bacher USA, Protocol, Screen, Grapho Metronik
For punching	Imaging accelerator board
Processor	LD-M1090 inline processor
Take-up cassette	Take-up cassette to receive film, RC paper, or polyester CTP plate material
Supply magazine	Second supply magazine

DAINIPPON SCREEN MFG. CO., LTD.

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