TIGER-1800B MkII



Industrial high speed sublimation inkjet printer

72”

Industrial high speed direct-to-textile inkjet printer

The Tiger-1800B MkII 72-inch, direct-to-textile printer features 16 print heads arranged in 2 staggered rows (8 heads per row) and achieves maximum print speeds of up to 4,144 SqFt / Hr in high speed and 2,260 SqFt / Hr in standard speed. In addition to it’s productivity, the belt transport system ensures stable textile transport to deliver high-quality printing.

Stable fabric transportation is maintained by twin pressure rollers, wrinkle and jam sensors. A continuous ink circulation system located between the degassing modules and sub-tank, as well as between the print heads and the sub-tanks, reduces issues that could lead to nozzle blockage. An automatic cleaning wiper is installed in each print head to ensure reliable printing. Additional standard features include:

- Feeding unit for rolls (15.75-inch diameter and/or up to 220.5 lbs.)
- Drying unit designed to dry the ink even at high speeds
- Horizontally and vertically adjustable guide rollers to optimize media take up
- Adjustable twin pressure rollers for best conveyance of the fabric onto the belt
- Belt washing unit continuously brushes, washes, squeegees and dries the belt
- Large 10 liter (10 kg) ink tank system for supporting continuous long runs
- Core technologies: Mimaki Advanced Pass System and Nozzle Recovery System

For best results, always use Mimaki original inks

Mimaki TIGER-1800B MkII

Printhead	16 print heads: 8 in-line print heads arranged in 2 staggered lines	
Print resolution	600, 1200 dpi	
Print speed	High speed	4,144 SqFt (385 SqM) / Hr
	Standard	2,260 SqFt (210 SqM) / Hr
Maximum print width	72.8 inches (1,850 mm)	
Maximum media width	74.8 inches (1,900 mm)	
Ink Type/Color	Reactive Dye: MLRc500 (C, M, Y, K, Bl, R, Or, Lk)	
Ink Package size	10L / 10kg ink tank per color	
Media roll core	2-inches	
Rolled media weight	220.5 lbs. (100 kg) max with standard feeding and take-up unit	
Interface	USB 2.0 Hi-speed / Ethernet	
Power supply	3-phase 5-wire 380V +/- 10% 50/60Hz; Main unit 50A / Heater unit 30A	
Power consumption	Printer: 22kW	
	Heater and take-up unit: 14kW	
Dimensions (W × D × H)	Printer: 206.7 (w) x 106.3 (d) x 78.7 (h) inches (5,750 x 2,700 x 2,000 mm)	
	Heater: 111.2 (w) x 51.2 (d) x 38.6 (h) inches (2,825 x 1,300 x 980 mm)	
Weight	Printer: 10,582 lbs (4,800 kg)	
	Heater & take-up unit: 2,645 lbs (1,200 kg)	

Industrial high speed sublimation textile inkjet printer

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Available options for accomodating a wide range of textile needs:

– Feeding unit for large rolls (59-inch diameter and/or up to 1,543 lbs)
– Rolled media centering unit with tension bar – 15.75 inches max diameter roll
– Non-rolled Pleating Feeder unit for feeding non-rolled fabrics
– Large or standard Heater + Pleating unit – Printed fabric is folded after passing through heater
– Large take-up unit (15.75-inch diameter and/or up to 1,102 lbs)
– Horizontally and vertically adjustable guide rollers to optimize media take up

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Print speeds are based on factory tests. Total throughput depends upon front-end driver/RIP, file size, printing resolution, ink coverage, network speed, etc. For best performance, always use Mimaki original inks. Specifications subject to change without notice.

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Rev. 09/12/18