

# TIGER-1800B MkII



Industrial high speed sublimation textile inkjet printer

72"

## Industrial high speed sublimation textile inkjet printer

The Tiger-1800B MkII 72-inch, dye sublimation model for paper transfer features 8 print heads arranged in 2 staggered rows (4 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 its productivity, various features ensure stable paper transport to deliver high-quality printing.

Stable paper transportation is maintained by twin pressure rollers, wrinkle and jam sensors. An all the time 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 jumbo rolls (39-inch diameter and/or up to 2,204 lbs.)
- Drying unit designed to dry the paper even at high speeds
- Horizontally and vertically adjustable guide rollers to optimize media take up
- Adjustable twin pressure rollers for best conveyance of the paper 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

<b>Printhead</b>	8 print heads: 4 in-line print heads arranged in 2 staggered lines	
<b>Print resolution</b>	600, 1200 dpi	
<b>Print speed</b>	High speed	4,144 SqFt (385 SqM) / Hr
	Standard	2,260 SqFt (210 SqM) / Hr
<b>Maximum print width</b>	72.8 inches (1,850 mm)	
<b>Maximum media width</b>	74.8 inches (1,900 mm)	
<b>Ink Type/Color</b>	Sublimation Transfer: MLSb510 (BI, M, Y, K)	
<b>Ink Package size</b>	10L / 10kg ink tank per color	
<b>Media roll core</b>	3-inches	
<b>Rolled media weight</b>	Feed roll: 2,204 lbs. (1,000 kg) max: Take-up roll: 1,800 lbs. (500 kg)	
<b>Interface</b>	USB 2.0 Hi-speed / Ethernet	
<b>Power supply</b>	3-phase 5-wire 380V +/- 10%; Main unit 65A / Heater unit 40A	
<b>Power consumption</b>	Printer: 22kW	
	Heater and take-up unit: 13.2kW	
<b>Dimensions (W x D x H)</b>	Printer: 207 (w) x 79 (d) x 80 (h) inches (5,250 x 2,010 x 2,024 mm)	
	Heater: 114 (w) x 83 (d) x 43 (h) inches (2,895 x 2,100 x 1,084 mm)	
	Feeding unit: 108 (w) x 67 (w) x 52 (h) inches (2,750 x 1,703 x 1,311 mm)	
<b>Weight</b>	Printer: 10,582 lbs (4,800 kg)	
	Heater: 13,307 lbs (1,500 kg)	
	Feeding unit: 1,587 lbs (720 kg)	

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Mimaki USA, Inc.  
150-A Satellite Blvd NE, Suwanee, GA 30024

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

# TIGER-1800B MkII



Industrial high speed sublimation inkjet printer

## 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 its 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

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72"

# Mimaki® TIGER-1800B MkII

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

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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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