



HANGLORY GROUP

HOMER
Digital Textile Printer

1800R pro

INDUSTRIAL HIGH-SPEED

ROLL-TO-ROLL DYE-SUBLIMATION

DIGITAL PRINTER





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1800R pro

■ *The productivity has been increased to 445 m/h*

Productivity

Productivity 445 m/h:

- Increase output
- Improve overall benefits

| | | |
|----------------------|--------------|-----------|
| Production Mode | 400x600 dpi | 445m/hour |
| Production Mode | 508x600 dpi | 380m/hour |
| Production Mode | 600x600 dpi | 330m/hour |
| Quality Mode | 400x1200 dpi | 220m/hour |
| Quality Mode | 508x1200 dpi | 185m/hour |
| High Resolution Mode | 600x1200 dpi | 165m/hour |



1800R PRO PRODUCT HIGHLIGHTS

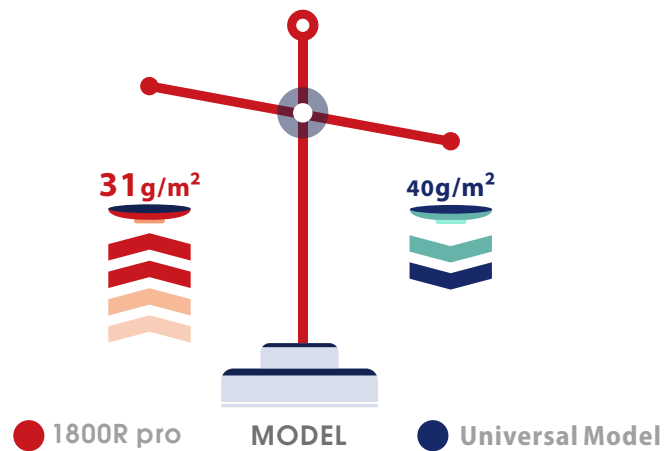


■ Enable to print thin **paper of minimum 31g/m²**

Material



31g Thin Paper: Reduce paper cost



■ Support jumbo roll of **10,000 meters**

10,000-meter jumbo roll



10,000-meter jumbo roll:

- Save time and labor
- Mass Production





1800R PRO PRODUCT HIGHLIGHTS



■ High-concentrated and fast-drying ink, **reducing energy consumption by 30%**

Energy-saving



30% reduction in energy consumption

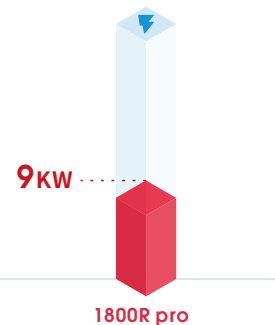
Fast-drying ink+Drying:

- Reduce energy consumption
- Save electricity cost



High-concentrated and fast-drying ink

Efficient drying system

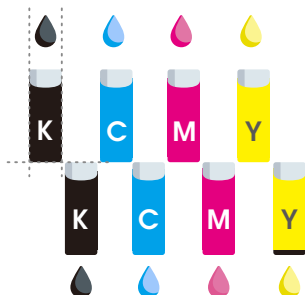


■ Kyocera printhead, **single or dual channel optional, 4-8 colors**

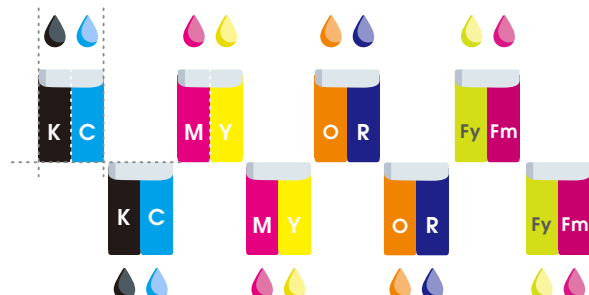
Printhead

4-8 colors optional to meet the diverse needs of customers

Single Channel:



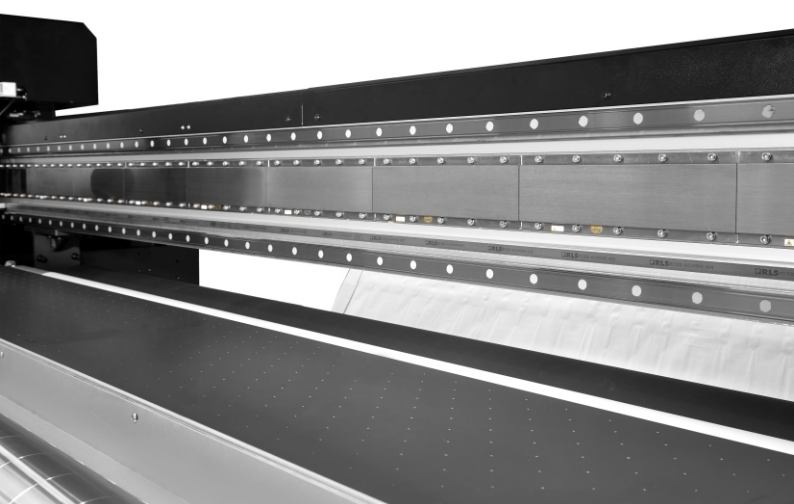
Dual Channel:





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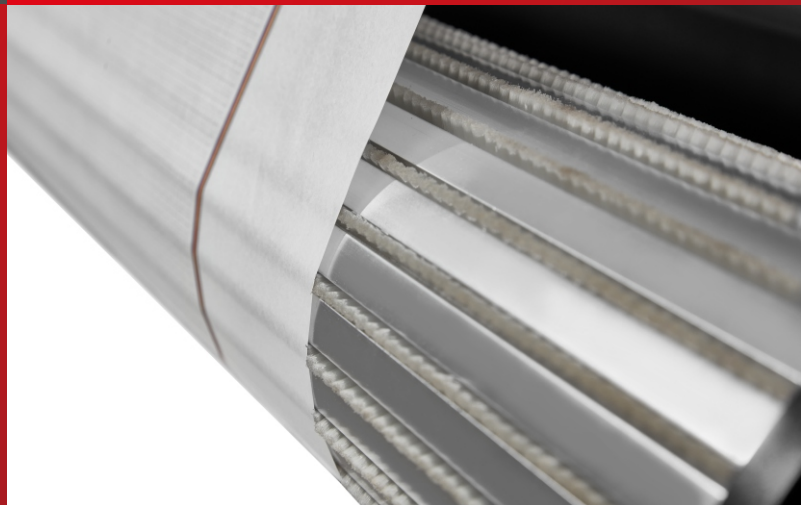
Superior efficiency and upgraded productivity

Self-developed software and hardware system performs industrial-grade production with printing speed up to 445m/h.

Equipped with magnetic levitation motor and aviation aluminum guide rail beam, the production is much faster, quieter and smoother.

Highly-integrated design, outstanding performance of thin paper printing

The machine design is highly integrated and the structure is clean and concise. The built-in 10,000-meter jumbo roll enables the roll-change more convenient and labor-saving, to make the production seamless and efficient. With stable and smooth paper feeding, it break troughs to print thin paper of minimum 31g/m².



Fully upgraded, showing craftsman aesthetics

Fully automatic constant temperature drying system saves energy and ensures a constant output of the drying temperature. The motion control system is improved with continuous and synchronous winding and unwinding. Paper feeding is stable without shifting. The carriage lifting system is optimized and simplified.

to improve printing quality and reliability. The liftable moisturizing and wiping capping protects print head from damage. The suction power of the printing platform is enhanced to ensure paper feeding smooth.



Flexible configuration and vivid printing quality

With two stagger rows of print heads arrangement, it supports 4-8 colors flexible configuration and more designs can be printed perfectly in 2pass mode. It delivers high-quality grayscale printing output with more delicate and vivid effect. Professional color management achieves excellent quality, and multiple ink solution gives worry-free application experience.





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Unattended production with optimized interactive experience

It supports unattended production, and realizes functions such as automatic width measurement, automatic setting of margins, automatic detecting of paper out, auto pause and abnormal recovery processing. The high-automatic control system realizes management of multiple machines by only 1 person to save labor. The operation interface has been upgraded again, with innovative and easy-to-use design, stronger functions, and a relaxed interactive experience.

Reliable guarantee, stability beyond imagination

Professional PLC configuration supports better system integration and ensures stability in various environments.

At present, the company has established worry-free sales and technical service support system in more than 60 countries and regions globally.



1800R PRO3-view Drawing



Side View



Back View



Front View



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| | | | | | | | |
|------------------------------|--|---|-----------------------|-----------------------|------------------------|------------------------|------------------------|
| Model | HM1800R pro | | | | | | |
| Printhead | 4-8pcs print heads （Kyocera single / dual channel optional） | | | | | | |
| Production Mode | Resolution | 400x600dpi (1pass) | 508x600dpi (1pass) | 600x600dpi (1pass) | 400x1200dpi (2pass) | 508x1200dpi (2pass) | 600x1200dpi (2pass) |
| | Productivity <small>(Measured in 1.5m printing width)</small> | 445m/hr | 380m/hr | 330m/hr | 220m/hr | 185m/hr | 165m/hr |
| Color | Cyan, magenta, yellow, black, orange, blue, fluorescent yellow, fluorescent pink, Lm, Lc, turquoise (optional) | | | | | | |
| Ink | Disperse ink | | | | | | |
| Color Mode Support | 4, 6, 8 colors optional | | | | | | |
| Ink Tank Volume | 30L | | | | | | |
| Media Type | Dye Sublimation Paper | | | | | | |
| Maximum Printing Width | 1850mm | | | | | | |
| Maximum Media Width | 1900mm | | | | | | |
| Available Material Weight | Minimum 31g/m ² | | | | | | |
| Maximum Unwind Roll Weight | 1.2 tons (Full Width) | | | | | | |
| Maximum Unwind Roll Diameter | 1 meter | | | | | | |
| Maximum Wind Roll Diameter | 480mm(3500meters long) | | | | | | |
| Drying Method | Constant temperature hot air drying(heating temperature up to 90 degrees) | | | | | | |
| Power | Voltage | AC380V±10%, three-phase 11.5A(6KW) 50Hz/60Hz | | | | | |
| | Dryer Voltage | AC380V±10%, three-phase 14A(9.3 KW) 50Hz/60Hz | | | | | |
| Air Supply Pressure Flow | 0.6mpa 1m³/hr (dry without oil or water vapor) | | | | | | |
| Working Environment | Temperature Range | 20-28 degrees Celsius (68-77 degrees Fahrenheit) | | | | | |
| | Humidity Range | 45-60% (no condensation) | | | | | |
| Installation Size | Net Size of Printer | 3945mm x 1000mm x 1718mm (L×W×H) | | | | | |
| | Printer Packaging Size | 4180mm x 1500mm x 2160mm(L×W×H) | | | | | |
| | Jumbo Feeder Net Size | 2403mm x 1200mm x 1100mm(L*W*H) | | | | | |
| | Jumbo Feeder Packaging Size | 2590mm x 1620mm x 1450mm(L*W*H) | | | | | |
| | Installation Site Size | 4500mm x 4500mm （L×W） | | | | | |