ON PAPER
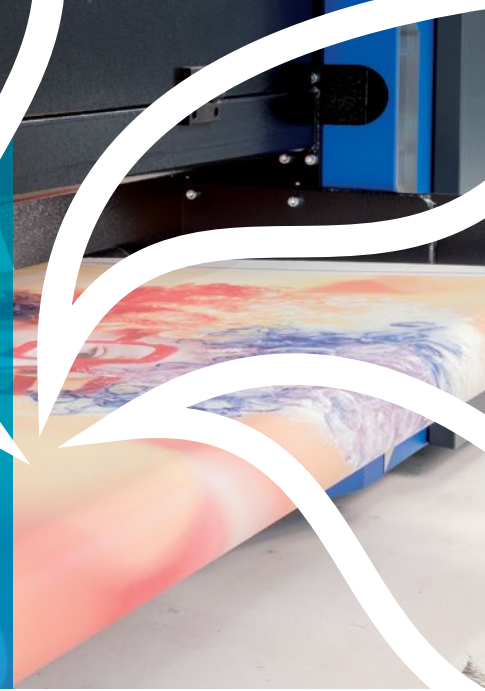
When it comes to high productivity in textile printing, no industry is as demanding as the sports sector and no printer meets that demand better than the ATPColor OnPaper 1900 with Kyocera print heads.

ATPColor

OnPaper 1900 Pro8

LESS ENERGY · LIGHTWEIGHT PAPER · MORE ECOLOGICAL

FAST, SMUDGE-FREE INK DRYING
We have developed a heating system that ensures perfectly dried inks even at maximum speed. Even with high resolution and saturated colors.

SPEED, PRECISION, INDUSTRIAL SOLIDITY
Kyocera print heads have become the gold standard for single pass industrial printing due to their speed, extrasmall droplet size and solidity.

ALWAYS CLEAN PRINT HEADS
Clean print heads are essential to maintaining the longest life possible on expensive printheads. That's why each head on an ATP printer has a dedicated capping and wiping station.

INTELLIGENT NOZZLE RECOVERY
Kyocera print heads last longer. How? Our software technology identifies clogged or damaged nozzles and maps the head to compensate for the clog, eliminating any banding. And you save.

INKS WITH RICH COLORS, CERTIFIED, ECONOMICAL
Super Rich Colors : These are OEKO-TEX Standard 100 certified water-based inks. They have the lowest cost per print in the industry for an industrial dye sublimation printer.

DETAIL, GRADIENTS AND HALFTONES
Using only 4 colors, Kyocera Variable Drop Heads print fine, detailed text. The image quality, especially gradients and midtones is remarkable.

ZERO BANDING: SMOOTH SOLIDS AND BACKGROUNDS
To limit the effect of overlap between passes, decide with total flexibility the type of screen and the size of the gradient.

LIGHTWEIGHT SUBLIMATION PAPER
Thanks to the perfect sublimation paper management system it is possible to print at maximum speed, single pass, on very light sublimation paper.
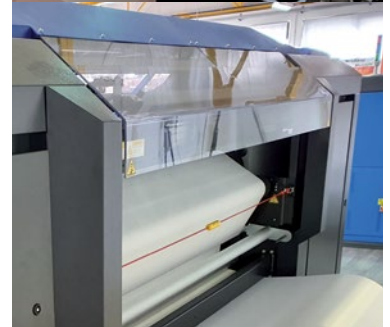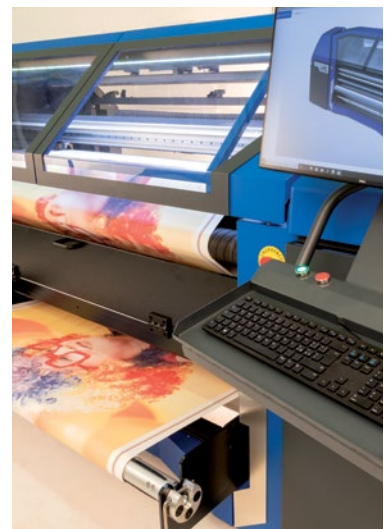
SUPERB MEDIA HANDLING
The printing surface has different levels of vacuum suction, so it adapts perfectly to the weight of the sublimation paper.

JUMBO ROLL SYSTEM INCLUDED
A fast printer has to handle jumbo rolls to avoid changing rolls hourly. When it is necessary to change rolls, the jumbo rolls can be easily loaded and unloaded even by one person with the included jumbo roll system.

RIP COMPUTER INCLUDED
A powerful PC and Dell monitor are included and seamlessly integrated with the printer.

TECHNICAL SPECIFICATIONS*

Print width	70 inches
Heads configuration	2/3/4/6/8
Ink	Water based sublimation
Number of colors	4/6/8
Resolution	Up to 2,400 x 2,400 dpi
RIP software	Open to the main RIP suppliers: Caldera, Ergosoft, Onyx, Colorgate, Inèdit
Print speed one pass sharp	up to 290 sqm/h - 3121 sqf/h
Ink system	Tanks hold 2.5 liters / Inks come in 10 liter jugs
Maximum roll weight	Integrated jumbo roll management; rear 992 lbs; front 992 lbs
Maximum roll diameter	Integrated jumbo roll management: rear 29 inches; front 24 inches
Dimensions	169 x 71 x 75 inches without rewind and feed kit
Weight	2,646 lbs
Environmental requirements	68-77 ° F; humidity 40-80% (non-condensing)
Electric consumption	3 KW

They can be changed without notice.

ATPCOLOR

Scan Motor	Linear Motor	Very low fluctuation and vibration of the carriage
Scan Encoder	Magnetic	High precision position (10^-6 m) and faster feedback)
Feed motor	Quadripolar Step w/o encoder	High movement accuracy with better ramp de/acceleration
Feed command	Direct	Linear coordinate managed by the controller board
Carriage	8 color or double 4 (8 Heads)	Up to 8 color with parametric deposition order and variation between passes
Carriage	Easy configuration for other Print Heads	Extreme flexibility for new needs, performance
Ink Pressure sensor	8 (one for each ink channel)	Accurate Negative Pressure adj per each ink channel
Subtank	8 (new type)	Better air separation, no bubble design, higher ink quantity per each channel
Supply pumps	8	Faster reset of necessary subtank level
Degass	8	
Heads position Adj on the carriage	Micro Mechanical Adj frame + SW	Accurate micrometrical position screws for slant and bias head position
Ink Valves (servo)	16 PWM	Ultra-low power valves control with theoretical 0 delta temperature
MCU architecture	Multi MCUs with independent tasks	Each sub device is with an independent task. Each module could be installed as separated option
Jumbo roll feeder	Adaptive speed	Self-speed adjustment with automatic calibration
Control software	All in one	Easier configuration and use
Network communication	10GGbps	No Delay between passes
Data Buffer	Double	No Delay between passes
Internal logs	Advanced report extractor	Is also possible to config excel files extractor, production charts, warning emails, ink lot verification
Industry 4.0	Integrated	Industry 4.0 implemented
Elettrical connection	Very low of internal connection	Less trouble in maintenance