

ONE
TEX

This printer was designed to help customers produce twice as much while working half as much. Even those who are new to textile printing.

ATPColor OneTex 5200 Pro8

WHY CHOOSE ATPCOLOR ONETEX 5200 PRO8



LESS ENERGY



NO PAPER



MORE ECOLOGICAL

SUBLIMATION AS EASY AS UV OR LATEX

This printer boasts direct-to-fabric printing requiring no external calender, a fabric tension adjustment system (even on moderately elastic fabrics) and perfect colors with zero banding.

BRILLIANT COLOR AND EXCEPTIONAL UV RESISTANCE

Water-based sublimation inks are brilliant, cover an extended gamut and are more resistant to UV than transfer-only ink technology.

FABRIC AND PAPER PRINTING

Although this is a direct-to-fabric print system, for those projects that require transfer on paper, the OneTex can effectively and perfectly deliver on that need as well.

AN INTEGRATED AND PATENTED CALENDER

With an onboard calender, rolls don't need to be moved from one machine to another and all of the sublimation settings are managed right on the printer's interface. The calendar drum turns off when not in use, saving energy. The production process is fully optimized, automated and simple.

PRINT ON A WIDE VARIETY OF FABRICS

Achieve direct printing and sublimation on all types of fabrics, even the most difficult such as moderate stretch, satin, TNT, flag and large mesh.

LESS WASTE, HIGH UNATTENDED PRODUCTIVITY

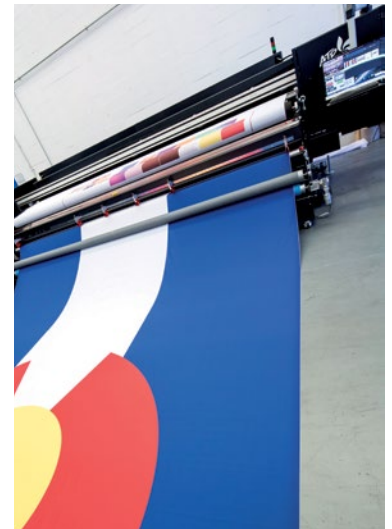
An optional automatic sewing system attaches the new roll to the old one, minimizing fabric waste, while a high-capacity ink system allows for large unattended print volumes.

VERTICAL CUTTING: EVEN FASTER PRODUCTION

With the optional inline cutting system, clean cuts are made on the vertical axis with a cold blade that does not create defects in the fabric. The print comes out of the machine ready to be sewn or delivered as is.

DECADES OF EXPERIENCE SHOWS US THESE PRINTERS ARE BUILT TO LAST

We have over 500 printers installed worldwide and many are still in perfect working condition after 12 years of reliable service. When our loyal customers are ready, we offer refurbishment to update the internal components while keeping the external chassis intact.





TECHNICAL SPECIFICATIONS*

Print width	204,7 inches / 520 cm
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	Major RIP providers: Caldera, Ergosoft, Onyx, Colorgate, Inèdit
Print speed	up to 480 sqm/h - 5166 sqf/h
one pass sharp	
Ink system	5 liters each
Calender	Integrated, patented for this model; completely uniform heat
Maximum fixation temperature	392° F
Maximum roll weight	881 lb
Maximum roll diameter	14 inches
Optional accessories	In-line cutting system In-line sewing system Jumbo roll option in rewinding and fabric feeding Differential fabric tensioning system Print folding system (from roll to sheet / piece)
Dimensions	307" x 90" x 78,7" without rewind and feed kit
Weight	3,750 lbs
Environmental requirements	68°-77° F; humidity 45-80%
Electric consumption	12 KW

* They can be changed without notice.

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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	10Gbps	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
Electrical connection	Very low of internal connection	Less trouble in maintenance