

Digital printing at its best!



*Aura Max*

Blanket Digital Printing Machine



# Aura Max 1800

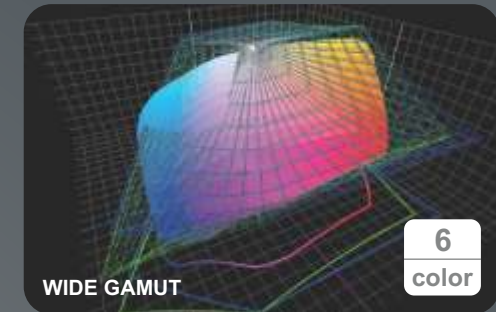
## TRUE COLOURS, SHARPEST PRINTS & CONSISTENCY

Aura Designs Ltd is the latest trendsetter in the digital textile printing technology arena. The company formed by a group of technocrats with more than 2 decades of wide and varied experience across textile and apparel sectors, aims to change the dynamics of the market. It is striving to bring the best hardware and software technologies together and integrating the same in its product portfolio. It has helped the company to launch state-of-the-art, cutting edge products aimed at delivering higher outputs at lower costs thereby providing higher optimisation levels. This best of parts and products strategy has helped the company to develop a sizeable footprint in the global market with sales and services in many countries. The company has successfully established a stellar leadership role in its product category and aims to back it up with highly qualified and trained service technicians to deliver high quality service and spares backup for improved customer satisfaction ■

Production  
50 Sq.mtr./hr.



It offers two variable drop modes. At high speed mode, able to double strike print, more stability, saving half the time. Multi-head arrangement technology, at 1.5m width, print production mode about 30m<sup>2</sup>/hr.



Use complementary colorus to expand the colour gamut, adding blue, orange, red, etc. On the basis of colour increased to 40%. We also provide customers true RGB colour processing to ensure accuracy while reducing the maximum extent to retain colour purity can obtain beautiful colour experience, comparable to traditional screen printing.



AURA inkjet ink and control systems with the development, can be a perfect match. All imports dye preparation, pure shade, high fixation rate, by a number of international certification. Supporting all types of inks. Excellent pricing.



Micro Piezo printhead can reach resolution of 1440dpi. It has extremely fine ink droplets. Damper has been built into the printhead, so ensure high stability. In the case of the reactive inks, service life can be more than 1 year (actual user data), and the price is cheap, and further enhances competitiveness.



Degassing system

Economical Production  
LOW MAINTENANCE COST



Infra red-drying system, adjustable temperature, Both Sides of the dryer, fabric will be completely dried. The hot air can be exhausted outside via central system.



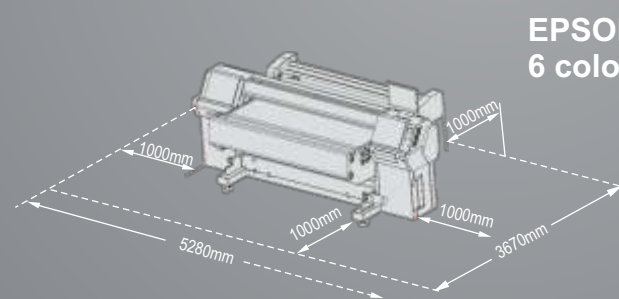
Aura series printers integrates control computer and pneumatic control. It's operation, reliability and durability can compete with any other famous-brand printer in the market.



Enhance Takeup



Pneumatic Feed & Fabric Takeup



Dimension Drawing

EPSON Printhead  
6 colours



Colour specification by CIE standards, Intelligent optimised rendering intent for RGB, Lab, Indexed, Layered and Channel image files. Resize, repeat and step designs with or without drops to create full width continuous print runs.



UNDER FABRIC HEATER AND TUNNEL DRYER

Belt transport system

# Aura Max 1800

Suitable for all types of fabric

## Mechanical structure

Belt system	Using Habasit® industrial belt, an adhesive belt transport system, with edge alignment.
Belt Cleaning Unit	The washing unit in stainless steel, a rotating brush washing unit with open water circuit prevents 'back printing' by removing the excess of ink from the adhesive blanket. The entire washing unit is mounted on rolls and can be extracted with ease for inspection and cleaning.
Hot air infrared dryers	A hot air infrared dryer just after the washing unit to dry out water traces from the belt, and pre-heat the blanket's surface to optimal working temperature of the thermoplastic adhesive.
Driver motor	Panasonic Servomotor
Width CM	180
Lighting	LED lights for platform
<b>Feeder &amp; Take-up</b>	
CTPC	Constant tension pasting cloth device for knitted fabric, it can give a low, constant tension into the knit
Enhance feeder	It can work in two models, the friction drive mode for knitted fabric and the center roll drive mode for woven fabric. Roll diameter 400mm, more than 100kg.
Enhance take-up	It has a wide range of tension adjustment, roll diameter 400mm, more than 100kg.
Expander Roller	The expander roll can remove wrinkles, while opening the fabric, the fabric will be smooth.

INK COLOUR	Cyan	Magenta	Yellow	Black	Orange	Blue	Red	Gray	Fluorescent Y	Fluorescent N
Reactive Ink	•	•	•	•	•	•	•	•	-	-
Acid Ink	•	•	•	•	•	•	•	•	•	•
Sublimation Ink	•	•	•	•	•	•	•	•	•	•
Pigment Ink	•	•	•	•	-	•	•	-	-	-



Specifications		AURA NANO	AURA GRAND	AURA MAX 1800	
Print system	Printhead type	Micro piezo technology, gold generation printhead			
	Ink droplet size	Variable droplets, 1.5~27pl			
	Number of printheads	4			
	Number of nozzles	4320 nozzles			
	Ink colour	6 colour			
	Printing width (cm)	120, 180, 260, 320	180, 260, 320	180	
	Printhead height	7 level, range of 2~4mm, 0.5mm/gear precision			
	Capping station	Compatible maintenance station/Original maintenance station			
	Auto purge	1~9 Level adjustable			
	Speed (64" width, small Enclosure)	360x720dpi	51sq.m per hour		
360x1080dpi		38sq.m per hour			
Ink supply & ink	Ink supply type	Unique positive ink pressure system for EPSON printheads			
	Ink tank	5 liter/colour			
	On-line degassing system	Membrana®			
	Ink type	Reactive/Disperse/Acid/Pigment			
Structure and Function	Roll to roll type	Yes		-	
	Belt type	-	-	Yes	
	Edge alignment	-	Optional	Optional	
	Expander roller	Yes			
	Feed tension	Yes			
	Inks damper	Not Required			
	Under fabric heater	Yes			
	Pressure rollers	Adjustable			
	Printing paper & film	Possible		-	
	Low ink warning alarm	Yes		-	
	Vacuum	Yes		-	
	Software & System	Operating system	Windows7 64bit		
		Interface	USB 2.0		
RIP software		RIPMaster / Inedit NEOSTAMPA / Ergosoft			
Voltage		AC220-240V 50-60HZ or AC110-120V 50-60HZ			
Operating environment		Temperature: 15~30 degree centigrade; Humidity : 50~70%			

\*The data here is subject to change without notice & is only for reference

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