



GraFio®

4 Head DTF Printer

Epson i3200

| 24 Inches

The Direct To Film printer by GraFio is best known for its durability and versatility. Designed for large scale production, smooth operation, and consistent transfer quality across cotton, polyester, blends, and multiple fabric applications with excellent white ink performance.

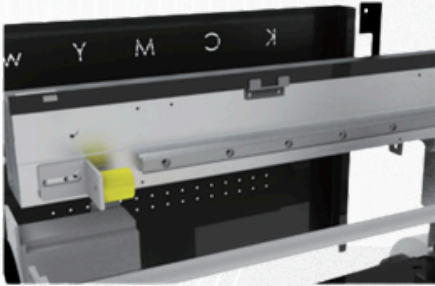


Advantages



High precision

Precision-machined X-axis aluminum alloy crossbeam with high-precision Yadeke silent guide rails, paired with a Leisai integrated stepper motor control system. Ensures smooth operation and highly accurate white color alignment with precision maintained within two threads.



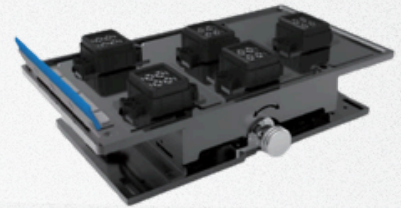
Stable structure & long-lasting accuracy

The high-strength thickened aluminum alloy base is seamlessly integrated with the printhead assembly, delivering machining precision within ≤ 0.03 mm. Paired with a full aluminum vacuum platform system, it ensures stable, high-speed, and high-precision printing performance.



Cleaning & Moisturizing system

The printhead features a maintenance-free integrated lifting ink capping system for continuous moisturizing, ensuring durable performance and long-lasting protection for the nozzle.



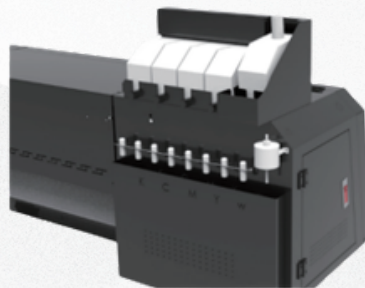
Missing Film Alarm

Equipped with an intelligent film shortage detection system. When the film runs out, the sensor automatically triggers an alarm and pauses printing to prevent misprints and nozzle damage, enabling safer and more efficient unattended operation.



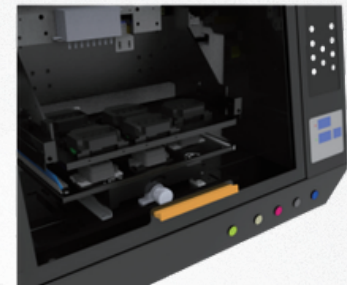
White ink circulation + Stirring + Shaking tank

Advanced white ink circulation and independent stirring system continuously agitates the white ink reservoir to prevent sedimentation and clogging, ensuring stable ink flow, consistent white density, and smooth long-term production.



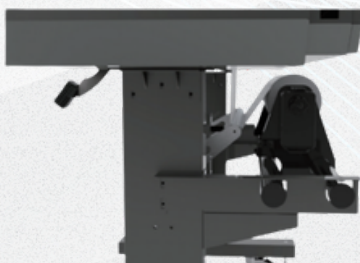
Nozzle protection & Maintenance

The carriage is equipped with dual-side anti-collision protection to reduce the risk of nozzle damage during operation. The integrated ink suction and maintenance system allows quick and convenient nozzle cleaning for stable printing performance.



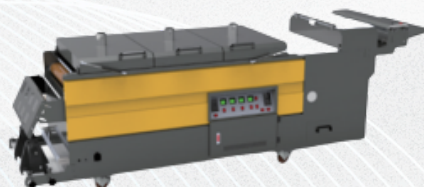
Constant Tension Rod with Automatic Release

Equipped with a dual-power automatic unwinding system and constant tension film feeding structure for stable high-speed printing and precise media feeding. Supports up to 300-meter film rolls, enabling continuous batch production with fewer roll changes and improved operational efficiency.



Three Zones Independent Temperature Control + Teflon Conveyor Belt

Features double-sided heating with a three-zone independent temperature control system for precise and uniform heat distribution. The extended heating area improves curing performance while preventing oil and moisture backflow during operation.



Dual Row Cooling

Equipped with a dual-row cold air cooling system at the drying outlet for fast and efficient cooling before film winding, ensuring smoother output and improved production stability.



Accessories Brands Configuration

Motion unit linear guide rail	Airtac (Taiwan)	 亞德客 AIRTAC
Bearing	NSK	
Stepping Motor	Leadshine	 雷赛智能 Leadshine
	Just motion control	 杰美康机电 JUST MOTION CONTROL
Photoelectric Sensor	LG	 LG
Switch power Supply	Jiannuo	 坚诺 JIANNUO
Board Card	HosonSoft	 汉森软件
Button Switch	HBAN	 红波按钮 HONGBO Push Button
Relay	Carlo Gavazzi	 CARLO GAVAZZI
Spring Terminal	UTL	 UTL [®] UTILITY ELECTRICAL
Pneumatic components	SMC (Japan)	 SMC [®]

Process Flow & Types



 <p>1 Four-color 4-color ink CMYK effect</p>	 <p>2 Eight-color 8-color ink CMYK effect+2color effect</p>	 <p>3 Fluorescence effect Fluorescent 8-color CMYK + 4-color fluorescence ink. Daytime effect: fluorescence color; night effect: fluorescent</p>	 <p>4 Diamond film No need to change the machine or ink, just change the film</p>	 <p>5 Rainbow film No need to change the machine or ink, just change the film</p>
 <p>6 Hot stamping film No need to change the machine or ink, just change the film</p>	 <p>7 Hot silver film No need to change the machine or ink, just change the film</p>	 <p>8 Silver reflection No need to change the machine or ink, just change the film</p>	 <p>9 Luminous film No need to change the machine or ink, just change the film</p>	 <p>10 Colorful Reflective film No need to change the machine or ink, just change the film</p>

Product Application



Custom T-shirts



Hoodies



Sweatshirts



Sportswear & Jerseys



Tote Bags



Caps & Hats



School & Corporate Uniforms



Denim Jackets & Jeans



Kids wear



Shoes



Ladies Suits



Industrial Apparel

Product Parameters



No. of Print Heads	4 x Epson i3200 E1/A1	
Print Speed	6 Pass : 35-40 meters/hr	
Max. Print Width	60 cm	
Ink	DTF Water based Ink (C+M+Y+K+W)	
Compatible Media	PET Film	
Optimal Spray Height	3 mm	
RIP Software	MainTop	
Print Head Nozzle Cleaning	Fully automatic cleaning, Fully automatic ink wiping, Fully automatic moisturizing	
Ink Supply System	Siphonic positive and negative pressure ink supply system	
Ink Tank Capacity	1.5 L	
Working Environment	Temperature: 20-28 °C	
Alarm System	Ink shortage alarm, Missing Film Alarm, Carriage crash alarm	
Control Board	HosonSoft	
Printer Size	1800*780*1700mm (L*W*H)	
Printer Weight	175kg	
Packing Size	1950*920*960mm (L*W*H)	
Power Requirements	1000W, AC 220V+5%, 50Hz~60Hz	
Oven Power Requirements	7000W, AC 220V/50Hz 33A	
Number of Heating Rods	9 pcs	
Oven Dimensions	2290*1080*1250mm(L*W*H)	
Oven Packing Dimensions	2940*1050*1090mm (L*W*H)	
Oven Weight	Net weight - 300 kg	Package weight - 360 kg
Computer Configuration	Operating System	Windows 7, 8, 10
	Hardware Requirements	Solid state drive above 256GB, dual channel memory module with 8GB clock speed above 2400HZ, independent video memory aboe 2GB, Core i5 processor (recommended frequency above 2.8GHz)
	Interface	USB 3.0 high-speed interface/ Gigabit Ethernet Cable