

UNINET White Toner vs DTF Comparison

Feature	White Toner	DTF	Advantage
Maintainence	Toner based printing - Little to no maintenance required	Ink based printing - constant maintenance to prevent clogging or streaking	WT
Idle Time	Can sit idle for extended time without issue	Must be running and cycling constantly to prevent clogging	WT
Substrates	No limitation to application substrates including magnets, banners, window cling and labels	Limited to mainly textile transfers	WT
Speed	Fast print speed	Slow print speed	WT
Space required	Desktop	Automated - 100 sq ft with ventilation Manual - Desktop	WT
Adhesive Step	Adhesive sheet	Adhesive powder	Equal
Size of Transfers	Cut sheet printing (A4 - Super B)	Roll to roll printing up to 24" wide (High production)	DTF
Cost of equipment	\$3,000 - \$10,000	Automated - \$10,000 - \$50,000 Manual - \$3,000 - \$5,000	WT
Ventilation Required?	No	Yes (Automated)	WT
Wash Cycle	15 - 50 washes depending on paper used (up to 100 with Premium)	UNINET DTF LOGO_ BLUE_cmyk	DTF
Durability	Very Good	Excellent	DTF
Stretch of Transfer	Good / Very Good depending on transfer paper used	Excellent	DTF
Type of runs	Short run	Medium to large runs	Depends
Batch printing?	Yes	No - powder must be applied before ink dries. Automated system is recommended	WT
White Printing	Under and Over print capabilities	Overprint only	WT
Specialty Printing?	Sublimation, Fluorescent, Clear, Security and Metallic options	No	WT
Black Printing	When using white toner, black is made with composite colors. True black can be made when white is not needed	CMYK + W channels at all times	DTF
Automation	No	Yes, with larger systems	DTF
Alignment to garment	Easy using page edges	More difficult - rolls need to be cut apart - pages don't have straight edges	WT
Hand	Papery feel with thicker graphics and/or certain papers	Soft even without rasterization	DTF
Cost per print	Approx \$2.50 (A4, 2 Step paper)	Automated - Less than \$1.00 (A3) Manual - \$1.25	DTF
Process Time	3 Minutes	Automated - 6 Minutes Manual - 9 Minutes	WT
Need for negative space / rasterization	High	Low	DTF
Resolution	Very Good	Excellent	DTF
Color Vibrance	Very Good	Excellent	DTF
Heat Press Quality	High quality with pressure gauge recommended	Basic press is sufficient	DTF
Amount of artwork prep required	More	Less	DTF
Equipment Durability	5 - 6 Years	3 - 4 Years	WT
Maximum Warranty	5 Years	3 Years	WT

Pro and Con Summary

DTF Pros

- 1) Extreme stretch tolerance / excellent durability
- 2) Less need for negative space / rasterization / artwork prep
- 3) Fully automated options - ideal for transfer sheet production for resale
- 4) Low cost per print
- 5) High resolution printing / Color vibrance
- 6) Entry level heat presses are acceptable

DTF Cons

- 1) Ink based printing - requires constant use and high maintenance
- 2) Limited mainly to textile applications
- 3) Slow print speed
- 4) Not ideal for Tshirt production (best for printing transfers on a roll for resale)
- 5) Automated systems require ventilation
- 6) More difficult to align to garment when printed on rolls

WT Pros

- 1) Toner based printing means little to no maintenance
- 2) No limitation to application substrates
- 3) Specialty toner kits available to convert printer instantly
 - Sublimation, Fluorescent, Clear, Security, Metallic and swappable White
- 4) Easy alignment to garment for Tshirt production
- 5) Can sit idle for weeks or months without issue
- 6) Fast print speeds

WT Cons

- 1) Higher cost per print
- 2) Papery feel with full coverage graphics and / or certain transfer papers
- 3) Need for negative space / rasterization
- 4) Cannot be fully automated
- 5) Requires a high quality heat press for best results
- 6) Black is created with composite colors when white toner is in use