

tultex® Decoration Techniques

This t-shirt is your canvas. It's your platform to express yourself – favorite band, family reunion, school or athletic team – and to utilize the hottest decoration techniques to bring your message to life, visually and creatively.

Creators love Tultex – one of few brands that is 100% vertical, starting with cotton bales, spinning, knitting, dyeing, cutting, sewing all in one factory and delivering a consistent, easy-to-print, margin-building garment.

RECOMMENDED PRINTING SPECIFICATIONS

Fabric Content	Maximum drying temperature after printing*	Flash time*
100% Cotton	170°C / 340°F	5 sec
Polyester Blends	160°C / 320°F	3.5 sec
Tri-blends	160°C / 320°F	3 sec

* These are approximate temperatures and times. Always test garments before running production.

** Heather Graphite can be more sensitive to heat than the other heather colors due to the black polyester used to achieve the color. Recommended temperature for this color only is 10 degrees less than noted above.



DIRECT-TO-GARMENT PRINT

Direct-to-Garment printing (DTG) designs are digitally printed onto the garment. This method allows for images as detailed as photographs to be printed with a full range of subtly graded colors.



DISCHARGE PRINT

A method of applying a design to dyed fabric by printing a color-destroying agent, such as chlorine or hydrosulfite, to bleach out a white or light pattern on the darker colored garment. Discharge screen printing can be used to print colors on dark garments that in the past would have required an additional layer of white ink in order to achieve proper opacity of top colors. Garment must be cotton-rich.



EMBROIDERY

Embroidery is the craft of forming decorative designs with thread and needle. The resulting design retains its distinctive, professional look after repeated washings.



HEAT TRANSFER

The process of applying material with a heat adhesive background with a heat press. Heat-applied materials contain a heat-sensitive adhesive on one side; when heat is applied by a heat press to the material, the material adheres to the garment to which it is being applied.



SCREEN PRINT

Screen printing is the most cost and time effective way to produce large quantities of prints. Squeegees push ink through a pre-made mesh screen to transfer ink onto a garment except areas that are made impermeable by a special blocking. The resulting design has long-lasting, vibrant colors that will withstand multiple washes.



SUBLIMATION PRINT

Sublimation printing is a technique that uses a heat press to transfer designs printed on transfer paper to polyester-rich garments. The heat press sublimates the solid-state ink in the printed transfer paper to a gas that bonds to the polyester fibers of the garment. This allows for potential seam-to-seam, full-color, even photo-realistic print that won't fade or crack, even after multiple washings.