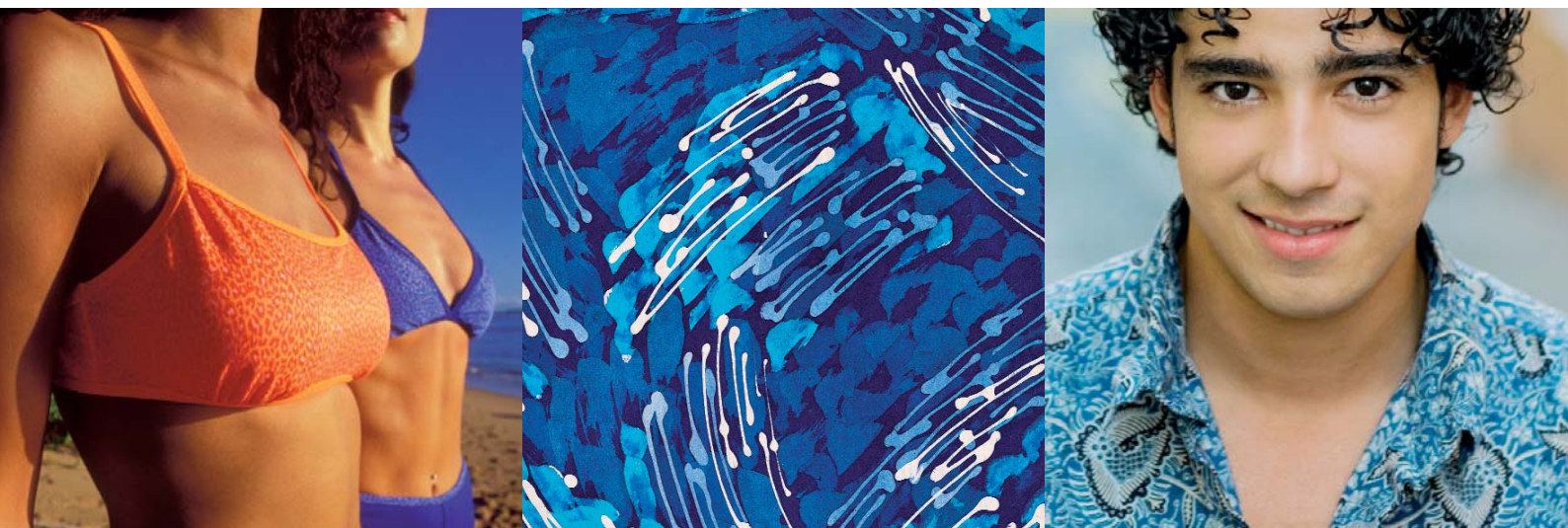


Textile Effects

LANASET[®] RAC acid inks

For ink jet textile printing with the Reggiani DReAM industrial machine



LANASET® RAC acid inks

Process

Textile preparation

Huntsman Textile Effects has developed an optimized recipe for fabric preparation to obtain higher color yield and sharpness with water-based LANASET® RAC inks for the DReAM. These inks are suitable for silk, polyamide and wool fabrics.

The following is a guideline recipe, usually applied by padding:

Silk	100–150 g/l	urea
	150–250 g/l	THERMOCOL® MP
	20 g/l	ammonium sulfate
		pick-up 70–80 %
PA/WO	100–150 g/l	urea
	200–300 g/l	THERMOCOL® MP
	10–20 g/l	ammonium tartrate 25%
		pick-up 70–80 %

Fixation

For silk, polyamide and wool: steam at 102 °C/216 °F for 20–30 min

Washing off

Silk rinse cold
soap at 30°C/85°F with 2g/l TINEGAL® W
soap at 40°C/104°F with 2g/l TINEGAL® W
soap at 50°C/122°F with 2g/l TINEGAL® W
rinse warm
rinse cold

Polyamide rinse cold
soap at 30°C/85°F with 2g/l TINEGAL® W
soap at 40°C/104°F with 2g/l TINEGAL® W
soap at 50°C/122°F with 2g/l TINEGAL® W
rinse warm
rinse cold

Aftertreatment

Silk 2–5 g/l ALBAFIX® ECO at pH 6–7 for 20–30 min
at 30–50°C/85–122°F

Polyamide 1–3 g/l ALBAFIX® RN at pH 4–5 for 15–20 min
at 60–70°C/140–158°F

Finishing

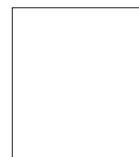
LANASET® RAC inks are fully compatible with all Huntsman finishing products (e.g. flame retardants, oil/water and stain repellents, easy care and UV protection).

LANASET® RAC acid inks

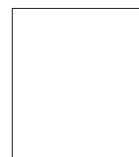
Ink range

Wider color space

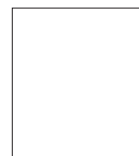
LANASET Yellow RAC-100



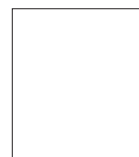
LANASET Orange RAC-150



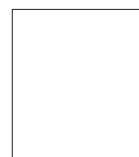
LANASET Red RAC-300



LANASET Blue RAC-400



LANASET Turquoise RAC-500



LANASET Black RAC-700



Additional color



LANASET Gray RAC-600

Fastness properties

LANASET	Silk				PA 66				Chlorinated wool				
	Xenon lamp 240 h	Washing, 50 °C/122 °F, ISO 105-C06			Xenon lamp 240 h	Washing, 50 °C/122 °F, ISO 105-C06			Chlorine water 50 mg/l	Xenon lamp 240 h	Washing, 50 °C/122 °F, ISO 105-C06		
	100%	Ch	S	CO	100%	Ch	PA	CO	Ch	100%	Ch	WO	CO
Yellow RAC-100	7	4-5	4-5	4-5	7	5	5	5	4-5	7	4-5	4-5	4-5
Orange RAC-150	4-5	4-5	4-5	4-5	6	4-5	4-5	5	3	5	4-5	4-5	4-5
Red RAC-300	2-3	4-5	4-5	4-5	4	4-5	5	5	4-5	3-4	4-5	4-5	4
Blue RAC-400	6-7	4-5	3	4-5	6-7	4-5	4	5	4-5	6	4-5	4	4-5
Turquoise RAC-500	7	4-5	4-5	3-4	2-3	4-5	5	4	1-2	7	4-5	4-5	4-5
Gray RAC-600	6	4-5	4-5	4-5	7	4-5	4	5	3	6	4-5	4-5	4-5
Black RAC-700	6-7	4-5	4	4-5	7-8	4-5	4	5	3-4	7	4-5	4-5	4-5

Reggiani printing machine

DReAM machine

DReAM

**the best industrial
ink jet textile
printing machine**

DReAM is a roll-to-roll/roll-to-folder industrial textile digital printing machine, suitable for a wide range of media (knitted, woven, non-woven, carpet, leather and other). The machine is fitted with a rubber blanket and an on-line dryer and features different entry/exit configurations. It is equipped with rugged HP-Scitex printheads and with special proprietary Aprion piezoelectric drop-on-demand technology that ensure high reliability, productivity and output.

The DReAM machine is particularly suitable for short/medium runs as well as sampling.

Originally designed for fashion and household fabrics, it also finds successful application in flags and banners, fashion accessories, home furniture and automotives.

The Reggiani Macchine's proprietary combi option adds an on-line flat screen for special effects like glittering, metallic effects, chemical resins, etc.



Main advantages

- High productivity (up to 235 sqm/h)
- Low ink consumption
- Quick time-to-market
- Wide range of media (knitted, woven, non-woven, carpet, leather and other)
- Wide range of inks (acid, reactive, direct disperse, sublimatic disperse)
- Wide range of printing width (1800, 2400, 3400 mm)
- High resolution (600 × 600 dpi)
- High reliability (embedded printheads maintenance system, unlimited printheads lifetime)
- Different entry/exit configurations
- Adjustable printheads to media distance



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