# **DYE SUBLIMATON**

Dye Sublimation is a process for printing designed themes by injecting colour and imagination into fabric. Chances are you've already got, or seen, sublimated fabrics. Industries such as sports, events and fashion rely heavily on this particular style.

Not creative? That's okay! It's easy to approach trained professionals who will use their expertise to get your unique design out of your head and into fabric. Alternatively, jump online and try design your own dye sublimated apparel at www.aussiepacific.com.au, then take your design to a professional and we will custom make your garment for a minimum of only 20 pieces. Sounds pretty easy, riaht?

With Dye Sublimation (referred to as Dye Sub) the graphics are computer generated and transferred by printing to dye sublimated paper using specialised inks which are then transferred through heat and pressure into the fabric to give you a unique piece of clothing with the image or pattern embedded forever.

heat presses.

Dye Sub can only be done successfully on 100% Polyester fabrics which especially suits the Aussie Pacific fabrics.

# **SPORTS DYE SUBLIMATION**



The image can be all over from seam to seam, won't fade, crack or fall off. These garments are made in our China factory using the latest technology dye sub printers and

This process ensures that the graphics are permanent (never losing any detail or vibrancy), whilst the moisture removal and antibacterial properties of the garment remain unchanged.

Dye Sublimated sports uniforms and apparel are popular as you can uniquely have any logo designs, patterns, numbers, names or sponsors printed onto your garments permanently using a fantastic range of colours and artistic techniques.

Depending on individual client needs, we have a variety of different fabrics at out disposal to create the perfect sports uniform, promotional gear, corporate wear or retail garment.

# **APDESIGN** REQUIREMENTS



# What you need to know before sending artwork.

# 1. Provide a high resolution file

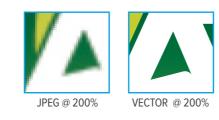
Vector File (line art) is the most common file as it is easy to manipulate and make variations if necessary. For images a Hi Resolution file with a minimum of 300DPI. Explanation for Vector and Raster Files are outlined below

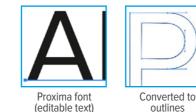
# 2. Create all text to outlines

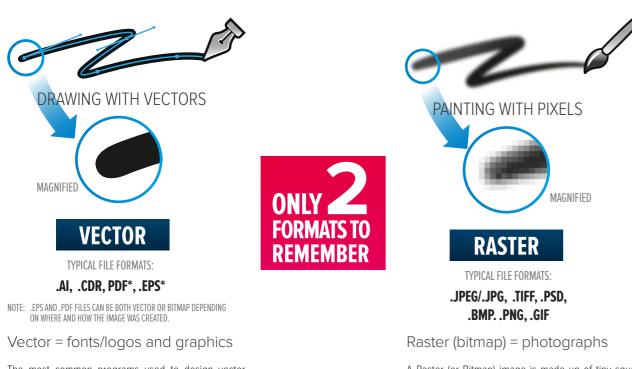
With numerous text font styles available and to ensure we print the correct style to suit your needs it is best to create text to outlines.

# 3. Choose your colourway

We use PMS (Pantone Matching System) colours as a guide only. For colour matching we strongly suggest purchasing a sample.







A Raster (or Bitmap) image is made up of tiny square dots (pixel) of colour when grouped together form a rastered image. Raster Images are the most common images found on your computer and on the web. The resolution (measurement of pixels) is kept as low as possible for viewing on a computer screen or device.



### $\mathbf{Q}\mathbf{Q}$ BIRDS EYE

#### BIRDSEYE

100% polyester 155gsm, birdseye is one of Aussie Pacific's stock range fabrics, introduced for its soft, lightweight and absorbent properties. It is ideal for clubs and corporate use.



MINI WAFFLE

100% polyester 160gsm, the mini waffle fabric forms the backbone of the Aussie Pacific stock range as a proven fabric in the market for its durability and quick drying properties. It is ideal for schools, clubs and corporate use



#### **COTTON BACK**

80% polyester/20% cotton 180gsm provides the comfort and feel of cotton with the properties of polyester. The cotton back piqué construction is designed to pull moisture from the skin and wick it into the air by keeping the fabric and the wearer relatively cool and dry. Cotton back is ideal for school, club and corporate polos.

The most common programs used to design vector graphics are Adobe Illustrator and Corel Draw. Most designers when designing your logos and graphics for printing will use a line vector program especially if fonts and shapes are involved. The great thing with vector files is they can be scaled to any size without losing sharpness.



#### **INTERLOCK 150**

100% polyester 150gsm makes this tight knit fabric extremely smooth, firm and absorbent. A great printable surface that is ideal for tops and shorts.



#### **INTERLOCK 255**

100% polyester 255gsm with a thick double knit flat surface fabric providing high dimensional stability, strength and durability. Perfect for playing jerseys and shorts.



#### **POLY/ELASTANE 200**

85% polyester/15% elastane 200gsm with a **POLY ELASTANE** two-way stretch functional fabric that forms to the body to give you a comfortable and firm fit. This mix is perfect for netball dresses and cycling jerseys.





#### MENS FITTED JERSEY SET IN RUGBYJ001 RAGLAN RUGBYJ002

MENS	XS	S	М	L	XL	XXL	3XL	4XL	5XL
I/2 CHEST CM	48.5	51	53.5	56	58.5	61	66	68.5	71
HEM CM	39	41.5	44	46.5	49	51.5	56.5	59	61.5
SHLDR TO HEM*	67	69	71	73	75	77	79	80	81
*HIGH POINT SHOULDER TO HEM - variations +/- 1 cm (quide only)									

MENS RUGBY SHORT RUGBYS005

MENS	XS	S	М	L	XL	XXL	3XL
I/2 RELAXED WAIST	30	32	34	36	38	40	42
OUTSIDE LENGTH	32	33	34	35	36	37	38

variations +/- 1 cm (guide only)





HOOP SHORTS Style: Rugby Shorts





TITAN SHORTS STYLE: RUGBY SHORTS





TRIO SHORTS Style: Rugby Shorts

#### FABRIC OPTION



RUGBY **111** 



#### MENS CLASSIC JERSEY SET IN RUGBYJ003 RAGLAN RUGBYJ004

MENS	XS	S	М	L	XL	XXL	3XL
I/2 CHEST CM	50.5	53	55.5	58	60.5	63	68
HEM CM	50.5	53	55.5	58	60.5	63	68
SHLDR TO HEM*	67	69	71	73	75	77	79

#### **KIDS CLASSIC JERSEY** SET IN RUGE

	13000				0001		
KIDS	4	6	8	10	12	14	16
I/2 CHEST CM	36	38	40	42	44	46	49
HEM CM	36	38	40	42	44	46	49
SHLDR TO HEM*	49	52	55	58	61	64	67

POINT SHOULDED TO HEM - vari

MENS

variations +/- 1 cm (guide only)





COWBOY SHORTS STYLE : RUGBY SHORTS





TITAN SHORTS **STYLE:** RUGBY SHORTS





SOLID SHORTS STYLE : RUGBY SHORTS

#### **KIDS RUGBY SHORTS**

KIDS	6	8	10	12	14	16		
I/2 RELAXED WAIST	20	22	24	26	28	30		
OUTSIDE LENGTH	25	26	27	28	29	31		
variations +/- 1 cm (guide only)								

#### **FABRIC OPTION**



RUGBY **113** 



# MENS SLEEVELESS FITTED GUERNSEY

MENS	XS	S	М	L	XL	XXL	3XL	
I/2 CHEST CM	45	47.5	50	52.5	55	57.5	60	
SHLDR TO HEM*	65	67	69	71	73	75	77	
*HIGH POINT SHOLIL DER TO HEM - variations +/- 1 cm (quide only)								

#### KIDS SLEEVELESS FITTED GUERNSEY

KIDS	4	6	8	10	12	14	16
I/2 CHEST CM	35	37	39	41	43	45	48
SHLDR TO HEM*	49	52	55	58	61	64	67
*UCLI DOINT CLOUI DED TO LIEM, variations // 1 cm /suido anh/)							

MENS AUS	MENS AUSSIE RULES SHORTS AFLS009									
MENS	XS	S	М	L	XL	XXL	3XL	KIDS		
I/2 RELAXED WAIST	29	31	34	37	39	42	44	I/2 RELAXED W		
OUTSIDE LENGTH	32	33	34	35	36	37	38	OUTSIDE LENG		
variations +/- 1 cm (guide or	ıly)							variations +/- 1 cm (g		





TRIO SHORTS Style: Aussie Rules Shorts





SIDE STRIPE SHORTS STYLE: AUSSIE RULES SHORTS





SOLID SHORTS STYLE: AUSSIE RULES SHORTS

#### JSSIE RULES SHORTS

6	8	10	12	14	16
19	21	23	25	27	29
27	28	29	30	31	32

only)

#### FABRIC OPTION



AUSSIE RULES 115



### AFLJ008

MENS	XS	S	М	L	XL	XXL	3XL	4XL
I/2 CHEST CM	50.5	53	55.5	58	60.5	63	68	70
SHLDR TO HEM*	67	69	71	73	75	77	79	81
		/ - variat	tions +/= 1 (	rm (auid	e onlv)			

#### MENS LONG SLEEVE CLASSIC FIT GUERNSEY KIDS LONG SLEEVE CLASSIC FIT GUERNSEY

AI LOODOR								
KIDS	4	6	8	10	12	14	16	
I/2 CHEST CM	36	38	40	42	44	46	49	
SHLDR TO HEM*	49	52	55	58	61	64	67	
HIGH POINT SHOULD		M - variati	ions +/- 1	cm (auide	only)			

#### **MENS AUSSIE RULES SHORTS** AFLS009 MENS KIDS XS S M L XL XXL 3XL I/2 RELAXED WAIST 29 31 34 37 39 42 44 I/2 RELAXED WAIS OUTSIDE LENGTH 32 33 34 35 36 37 38 OUTSIDE LENGTH variations +/- 1 cm (guide only) variations +/- 1 cm (guide only)





#### SIDE STRIPE SHORTS **STYLE:** AUSSIE RULES SHORTS





SOLID SHORTS Style: Aussie Rules Shorts





HOOP SHORTS **STYLE:** AUSSIE RULES SHORTS

#### **KIDS AUSSIE RULES SHORTS**

6	8	10	12	14	16
19	21	23	25	27	29
27	28	29	30	31	32

#### **FABRIC OPTION**



AUSSIE RULES 117





**PIN STRIPE SINGLET & SHORTS** 



#### MENS BASKETBALL SINGLET BASKETBALLJ013

MENS	XS	S	М	L	XL	XXL	3XL
I/2 CHEST CM	48.5	51	53.5	56	58.5	61	63.5
SHLDR TO HEM*	73	75	77	79	81	83	85
		A variat	tions +/ 1/	m (quid	o only)		



# KIDS BASKETBALL SINGLET

KIDS	6	8	10	12	14	16
I/2 CHEST CM	39	41	43	45	48	49
SHLDR TO HEM*	52	55	58	61	64	67
*HIGH POINT SHOULDE	R TO HE	M - variati	ions +/- 1	cm (auide	only)	



PIN STRIPE SINGLET Collar: Square Vee Style: Basketball Singlet



CELTIC SINGLET Collar: square vee Style: basketball singlet



ALL STAR SINGLET Collar: Square vee Style: Basketball Singlet

MENS BASKETBALL SHORTS

# KIDS BASKETBALL SHORTS

JASILI DALLOUIT								DASILIDAL
MENS	XS	S	М	L	XL	XXL	3XL	KIDS
I/2 RELAXED WAIST	31.5	34	36.5	39	41.5	44	46.5	I/2 RELAXED
OUTSIDE LENGTH	52	53	54	55	56	57	58	OUTSIDE LEI
ariations +/, 1 cm (quide only	λ							variations +/- 1 cm

variations +/- 1 cm (guide only





PIN STRIPE SHORTS Style: Basketball Shorts





CELTIC SHORTS STYLE: BASKETBALL SHORTS





ALL STAR SHORTS STYLE: BASKETBALL SHORTS

6	8	10	12	14	16
22.5	24.5	26.5	28.5	30.5	32.5
35	37	39	41	43	45

#### FABRIC OPTION





BASKETBALL 119



#### **MENS SOCCER JERSEY** SET IN SOCCJ010 RAGLAN SOCCJ011

MENS	XS	S	М	L	XL	XXL	3XL
I/2 CHEST CM	50.5	53	55.5	58	60.5	63	68
SHLDR TO HEM*	68.5	70.5	72.5	74.5	76.5	78.5	80.5
				, .,			

#### **KIDS SOCCER JERSEY** SET IN SOCCJ010K RAGLAN SOCCJ011

KIDS	4	6	8	10	12	14	16
I/2 CHEST CM	36	38	40	42	44	46	49
SHLDR TO HEM*	49	52	55	58	61	64	67
		1 variat	iono 1/ 1	om lauide	anki		

MENS SOCO	CER	SHC	DRT	S				KIDS S
SOCCS012								SOCCS012
MENS	XS	S	М	L	XL	XXL	3XL	KIDS
I/2 RELAXED WAIST	32	34	36	38	40	42	44	I/2 RELAXED
OUTSIDE LENGTH	42	43	44	45	46	47	48	OUTSIDE LE
variations +/- 1 cm (quide on	lv)							variations +/- 1 cn





### DOUBLE STRIPE SHORTS STYLE: SOCCER SHORTS





SOLID SHORTS STYLE: SOCCER SHORTS





SIDE STRIPE SHORTS STYLE: SOCCER SHORTS

#### OCCER SHORTS

6	8	10	12	14	16
22.5	24.5	26.5	28.5	30.5	32.5
30	32	34	36	38	40





#### MENS TEE S/S SET IN 1207 S/S RAGLAN 1204

MENS	XS	S	М	L	XL	XXL	3XL	5XL
I/2 CHEST CM	50.5	53	55.5	58	60.5	63	68	73
SHLDR TO HEM*	67	69	71	73	75	77	79	81
		/ _ variat	tions $+/-1$	m (quid	o onlu)			

#### KIDS TEE SET IN 3207 RAGLAN 3204

	3207		JLAN	520	, <b>,</b>			
KID	S	4	6	8	10	12	14	16
I/2 CHES	ST CM	36	39	41	43	45	48	49
SHLDR TO	HEM*	49	52	55	58	61	64	67
			A - variatio	nc +/- 1	cm (quida	only)		



	VHOLA									
MENS	6	8	10	12	14	16	18	20	22	24
I/2 RELAXED WAIST	42.5	45	47.5	50	52.5	55	57.5	60	64.5	69.5
OUTSIDE LENGTH	59	61	63	65	67	69	71	72	73	74
variations +/- 1 cm (guide or	nly)									



SWIRL TEE VEE NECK - STYLE: 2204LADIES

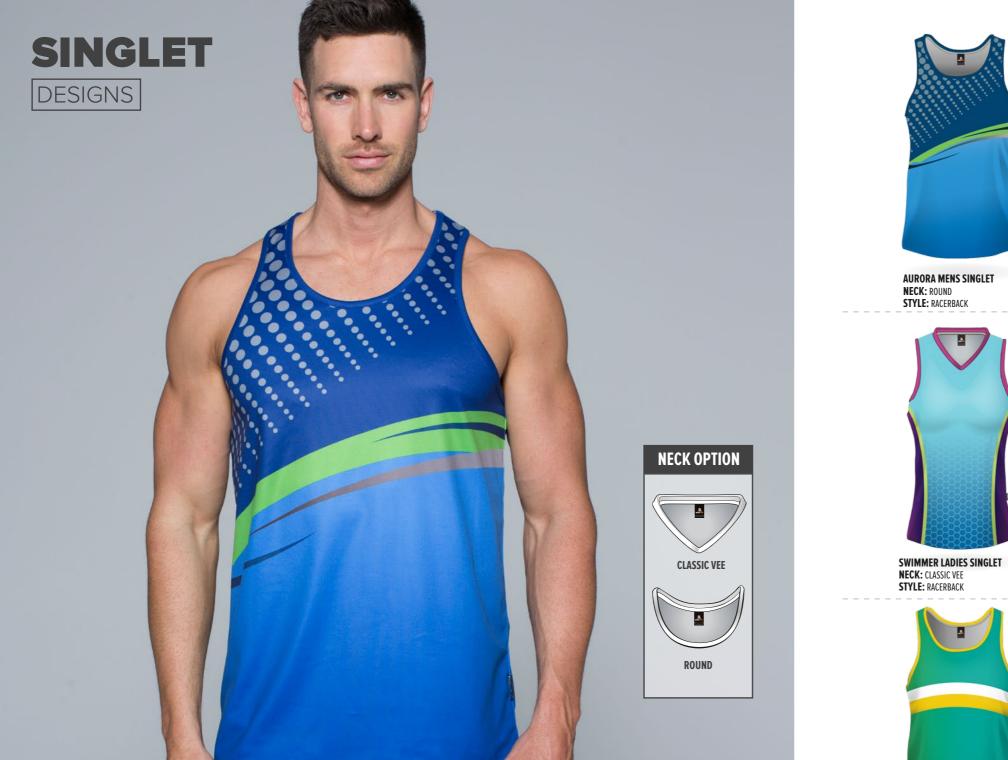


MOTO GRID LONG SLEEVE - STYLE: 2207LONGSLEEVE\*

\* PLEASE ADD "LONGSLEEVE" TO ANY CODE THAT REQUIRES A LONG SLEEVE STYLE.



26	
74.5	
74	



#### MENS SINGLET STANDARD 1107

MENS	XS	S	М	L	XL	XXL	3XL	5XL
I/2 CHEST CM	50.5	53	55.5	58	60.5	63	68	73
SHLDR TO HEM*	67	69	71	73	75	77	79	81

\*HIGH POINT SHOULDER TO HEM - variations +/- 1 cm (guide only)

#### MENS SINGLET RACERBACK RBACKSINGLET

MENS	XS	S	М	L	XL	XXL	3XL	5XL
I/2 CHEST CM	47	49.5	52	54.5	57	59.5	62	67
SHLDR TO HEM*	72	74	76	78	80	82	84	86

## 79 81 SHLDR TO HEM\* 59 61 63 65 67 69 71 72 73 variations +/- 1 cm (guide only)

#### LADIES SINGLET RACERBACK LADIESRBACKSINGLET

LADIES SINGLET STANDARD 2107

MENS

MENS	6	8	10	12	14	16	18	20	22
I/2 RELAXED WAIST	38.5	41	43.5	46	48.5	51	53.5	56.5	59.5
SHLDR TO HEM* (FRONT)	55.5	57.5	59.5	61.5	63.5	66.5	67.5	69.5	71.5
variations 1/ 1 cm (quide on	1. A								

I/2 RELAXED WAIST 42.5 45 47.5 50 52.5 55 57.5 60 64.5

#### KIDS SINGLET STANDARD 3107

KIDS	4	6	8	10	12	14	16
I/2 CHEST CM	36	39	41	43	45	48	49
SHLDR TO HEM*	49	52	55	58	61	64	67
*HIGH POINT SHOULDE	R TO HE	M - variat	ions +/- 1	cm (guide	e only)		

OLD SCHOOL SINGLET NECK: ROUND STYLE: STANDARD BACK

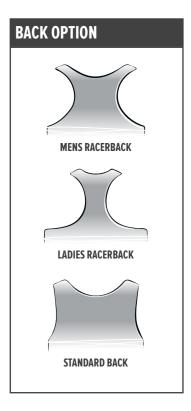
124 SINGLET



LADIES CLASSIC VEE RACERBACK SINGLET











#### MENS POLO Set in 1307 Raglan 1304

MENS	XS	S	М	L	XL	XXL	3XL	5XL		
I/2 CHEST CM	50.5	53	55.5	58	60.5	63	68	73		
SHLDR TO HEM*	67	69	71	73	75	77	79	81		
*HIGH POINT SHOLLI DER TO HEM - variations +/, 1 cm (quide only)										

#### KIDS POLO SET IN 3307 RAGLAN 3304

	-								
KIDS	4	6	8	10	12	14	16		
I/2 CHEST CM	36	39	41	43	45	48	49		
SHLDR TO HEM*	49	52	55	58	61	64	67		

#### LADIES POLO SET IN 2307 RAGLAN 2304

MENS	6	8	10	12	14	16	18	20	22	24
I/2 RELAXED WAIST	42.5	45	47.5	50	52.5	55	57.5	60	64.5	69.5
OUTSIDE LENGTH	59	61	63	65	67	69	71	72	73	74
variations +/• 1 cm (quide or	alv)									





 $^{\ast}$  please add "longsleeve" to any code that requires a long sleeve style.











#### MENS BUTTON UP SHIRT SET IN 1307BUTTONUP RAGLAN 1304BUTTONUP

MENS	XS	S	М	L	XL	XXL	3XL	5XL
I/2 CHEST CM	50.5	53	55.5	58	60.5	63	68	73
SHLDR TO HEM*	67	69	71	73	75	77	79	81

HIGH POINT SHOULDER TO HEM - variations +/- 1 cm (guide only)

#### **KIDS BUTTON UP SHIRT**

SET IN	3307B	UTTO	NUP	RAG	LAN	3304	3304BUTTONUP			
KID	S	4	6	8	10	12	14	16		
I/2 CHES	T CM	36	39	41	43	45	48	49		
SHLDR TO	) HEM*	49	52	55	58	61	64	67		

#### POINT SHOULDER TO HEM - variations +/- 1 cm (guide only)

#### MENS BASEBALL TOP BASEBALLSS

MENS	S	М	L	XL	XXL	3XL	5XL
I/2 CHEST CM	55	57.5	60	62.5	65	67.5	72.5
SHLDR TO HEM*	74	76	78	80	82	84	88

#### FABRIC OPTION



BASEBALL 129











# LADIES NETBALL SINGLET

INCIDALLOUI/								
LADIES	6	8	10	12	14	16	18	20
I/2 CHEST CM	39.5	42	44.5	47	49.5	52	54.5	57

G.

### GIRLS NETBALL SINGLET

KIDS	6	8	10	12	14	16			
I/2 CHEST CM	34.5	37	39.5	42	44.5	47			
HIGH POINT SHOULDER TO HEM - variations +/- 1 cm (quide only)									

LADIES I										GIRLS N				-		LLD019I
LADIES	6	8	10	12	14	16	18	20	22	KIDS	6	8	10	12	14	16
WAIST CM	28	30	32	34	36	38	40	42	44	WAIST CM	24	26	28	30	32	34
OUTSIDE LEG	29.5	31.5	33.5	35.5	37.5	39.5	41.5	43.5	45.5	OUTSIDE LEG	25.5	27.5	29.5	31.5	33.5	35.5

variations +/- 1 cm (quide on

ariations +/- 1 cm (quide only





# LADIES A-LINE DRESS WITHOUT PANELS NETBALLD015

LADIES	6	8	10	12	14	16	18	20	22
I/2 CHEST CM	40	42.5	45	47.5	50	52.5	55	57.5	60
SHLDR TO HEM*	79	81	83	85	87	89	91	93	95
					b 3				

# GIRLS A-LINE DRESS WITHOUT PANELS NETBALLDOTE

KIDS	6 6	8	10	12	14	16						
I/2 CHES	r CM 35	37.5	40	42.5	45	47.5						
SHLDR TO	SHLDR TO HEM* 75 77 79 81 83 85											
*HIGH POINT 9	*HIGH POINT SHOLII DER TO HEM - variations +/- 1 cm (quide only)											

LADIES A-LINE DRESS WITH PANELS NETBALLD016										GIRLS A-L				_		
LADIES	6	8	10	12	14	16	18	20	22	KIDS	6	8	10	12	14	16
I/2 CHEST CM	40	42.5	45	47.5	50	52.5	55	57.5	60	I/2 CHEST CM	35	37.5	40	42.5	45	47.5
SHLDR TO HEM*	79	81	83	85	87	89	91	93	95	SHLDR TO HEM*	75	77	79	81	83	85
*HIGH POINT SHOULDE	R TO HE	M - variati	ons +/- 1	cm (auide	only)					*HIGH POINT SHOULDE	R TO HE	M - variati	ons +/- 1	cm (quide	only)	











#### LADIES YOKE DRESS WITH PANELS NETBALLD020

LADIES	8	10	12	14	16	18	20				
I/2 CHEST CM	42.5	45	47.7	50	52.5	55	57.5				
SHLDR TO HEM*	79	81	83	85	87	89	91				
HICH DOINT SHOLLINED TO HEM variations ±/ 1 cm (quido only)											

#### **GIRLS YOKE DRESS** WITH PANELS NETBAL

				-	
KIDS	6	8	10	12	14
I/2 CHEST CM	32	34	36	38	40
SHLDR TO HEM*	72	74	76	78	80
		variatio		lauido o	

# MENS SHORT SLEEVE CYCLING JERSEY RAGLAN FULLZIP CYCTRSFZ RAGLAN 1/4 ZIP CYCTRSOZ

MENS	S	М	L	XL	XXL	3XL
I/2 CHEST CM	47	49	51	53	55	57
FRONT BODY LENGTH	61	63	65	67	69	71
BACK BODY LENGTH	65.5	67.5	69.5	71.5	73.5	75.5

HIGH POINT SHOULDER TO HEM - variations +/- 1 cm (guide only)



# 2015.6 decorat options

PROJECT THE WAY YOUR BRAND IS PERCEIVED BY USING ONLY QUALITY DECORATION

# FONT OPTIONS:



into account the many different methods of for accuracy. Each colour in a design needs peratures, the solid dye converts into a gas decorating or monogramming apparel. Here we a screen and each screen must be blocked, without ever becoming a liquid. The same high look at the three main methods of decoration taped, setup, and squeegeed. yet there are others such as Digitally Printed transfers and Screen Printed transfers.

the way your Brand is portrayed.

change from the not too distant days where a small chest print or embroidery was the norm. Splash prints, tone on tone, print/emb. combos, badges, over seam printing and foiling in abattract.

#### SCREEN-PRINTING

To understand the time and care that is taken into each silk screen printed job, we thought it time a job is printed.

The first step is artwork. Once the artwork is process, vastly streamlining production times. finalised, it gets sent for processing. From Computerised machine embroidery has rapidly there, and from your printing instructions, your printer will come up with a composite proof for cations you have instructed to print. After the art stitch out the embroidery designs. has been approved, then film is output to make the screens. All of the art is then pre-registered and checked for detail and quality.

coat the screens with a photosensitive emulsion. Next, the screen dries, and it is placed on the vacuum light table and exposed to a 3000 watt metal halide light. After being screens are then washed out with washer at around 1300 psi. Once t e imade

Aussie Pacific garment designers have taken washed out, it is double checked with the films polymer, or polymer-coated item. At high tem-

Just imagine if we had to do this each time a t-shirt was ordered. You can see why screen Your Brand should be synonymous with a quality printing was designed to print quality in bulk. garment, so it makes sense to want to control For larger runs with more colours, an automatic done on natural materials, such as 100% cotton. machine with 10-18 heads is more practical. By "flashing" or drying the ink between each Today, any decoration goes on anything, a far colour layer, a bright, professional quality print, with years of wear and tear is achievable.

#### MACHINE EMBROIDERY

A term that describes a specially designed, comstract patterns and fonts making the opposites puterised, embroidery or sewing-embroidery machine to automatically create a design from a pre-made pattern that is input into the machine. In 1980, the first computer graphics embroidery design system was introduced, running on a mini-computer. Technology was enhanced in would be helpful to indicate what happens each 1982 with the introduction of the first multi-user system that allowed more than one person to be working on a different part of the embroidery grown in popularity since the late 1990s.

you so you can see what your design will look Design Files or 'Masters' are typically downloadlike on the tees (or polos sweatshirts or other ed to a computer and then transferred to an aarments). This will confirm the specific print lo- embroidery machine which can then be used to looks nothing like the final transferred image.

#### SUBLIMATION

The basic dye sublimation process uses special Garments decorated with a dye sublimaheat-sensitive dyes to print graphics and text tion transfer cannot be removed like imag-The first step in the screen department is to onto special transfer paper. The paper is then es on shirts decorated with screen printing. placed on a 100% polyester item and both are It is important to remember that this is not placed into a heat press. When the heating cy- ink sitting on top of the fabric, but rather cle is completed, the image on the paper has dye that penetrates the fibre of the fabric. xposed they been transferred to the item and has actually The dye particles are designed to bond with sure reformed into or underneath the coated surface. polyester, and ignore everything else. ublimation is always done on a polyester,

# 0123456789 0123456789 0123456789

temperature opens the pores of the polymer and allows the gas to enter. When the temperature drops, the pores close and the gas reverts to a solid state. It has now become a part of the polymer. This is why dye sublimation can't be Natural fibres and non-coated materials have no "pores" to open

A dye impregnates colour into (not on to) a material and this colour change is permanent. Sublimation refers to changes from the solid, to the gaseous state without becoming liquid. A polymer consists of large molecules made up of a linked series of repeated simple molecules. Dye sublimation refers to solid dye particles that are changed into gas using heat and pressure, which then bond with any polymers present and change back into a solid. This means the composition of the polymer has changed, and no fading, cracking or peeling should occur because the colour is now part of the fabric.

The fluid stored in the inkjet cartridge is the carrier of the dye. The carrier stays on the paper and only the dye migrates from the paper to the substrate. The dye has little or no colour until heated, so what you see on the paper usually Dark materials cannot be used with the sublimation process on made up garments.