

The background features a network diagram with nodes and connecting lines. The top half is white with a sparse network of grey nodes and lines. The bottom half is a solid red color with a denser network of nodes and lines, where some nodes are highlighted in white and others in a light blue-grey. The network lines are thin and light grey.

# **Insuntec**

**CORPORATE MANUAL**



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## Insuntec

The company's line of business includes the retail or wholesale of specialized brand of shirt and customize shirt. Our main product line includes polo shirts, t-shirts, hoodies, caps, aprons, towels and other special custom apparel that can be imprinted or embroidered. Using state of the art production equipment and the latest technologies in software, the company has established itself to be the optimal choice for customized apparel.

24 **UBER**

**CARSOME**

Standard Chartered

**KUALA LUMPUR 2017**  
29<sup>th</sup> SEA GAMES

**PETRON**

vivo



**citibank**

# MATERIAL

The application of our fabric is mostly for shirt and uniform.

YARN MATERIAL 1.1  
 FABRIC 1.2  
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## Material that using in the market commonly into 4 categories

100 % Cotton  
 CVC  
 TC  
 100% Polyester

### 1.1 YARN MATERIAL

#### 100% COTTON

100% Cotton is natural

100% Cotton is no mixing of any polyester material. Cotton is the most widely used natural fiber used in clothing. It comes from the soft, vegetable seedpod of the cotton plant. As a fully breathable fabric, it is a great choice for hot temperatures. These t-shirts cooperate with most any ink and printing method, and they hold ink longer than other fabrics.

##### Types of 100% Cotton

- 100% Cotton Lacoste
- Fully Comb Interlock Single Jersey
- 100% Cotton Single Jersey... etc

#### CVC (CHIEF VALUE COTTON)

CVC is more natural

CVC (Chief Value Cotton) is a result of polyester and cotton blending in a certain proportion. as cotton/polyester composition is 60% of cotton and 40% polyester.

CVC fabrics are characterized by enlarged percentage of cotton yarn that provides better hygienic properties and better strength characteristics in comparison with 100% cotton fabrics. Also it guarantee low shrinkage, high color-fastness and perfect durability.

##### Types of CVC Cotton

- CVC Lacoste/HoneyComb
- CVC PK
- CVC Single Jersey
- CVC Interlock Single Jersey....etc

# MATERIAL

## TC (TETRON COTTON)

*TC is more chemical*

TC (Tetron Cotton) is a result of polyester and cotton blending in a certain proportion. As cotton/polyester composition is 35% of Cotton and 65% of Polyester.

TC fabric provides an optimum polyester/cotton proportion that guarantees excellent strength properties and good hygienic characteristics. It allows us to achieve high grade of colors, high temperature of washing and low percentage of shrinkage, they wash easily and show very good breathable and durable properties.

### Types of TC Cotton

- TC Lacoste/HoneyComb
- TC PK
- TC Single Jersey
- TC Interlock Single Jersey...etc

## 100% POLYESTER

*100% polyester is chemical*

100% polyester is no mixing of any cotton material. Polyester is a synthetic fabric, engineered for some of the qualities cotton does not offer. It is a more flexible fiber, making the fabric more tear-resistant. It is less breathable and tends to stick to perspiring skin and it achieves very high grade of colors, no shrinkage and also very light weight.

### Types of 100% Polyester

- Microfiber Interlock
- Microfiber Mini Mesh
- Microfiber Eyelet
- Microfiber PK...etc

## 1.2 FABRIC

### TYPE OF FABRIC FOR SHIRTS

Fabrics are manufactured from various raw materials which are available from nature or artificially generated or mix of both. Fabrics can be classified based on the origin of fibers and its processes or its end usage.

Fabric commonly used in the clothing industry are :

- Lacoste / HoneyComb / Pique <sup>[1]</sup>
- Single jersey <sup>[2]</sup>
- Microfiber <sup>[3]</sup>

### COMPOSITION

#### 100% Cotton

*(100% Cotton / 0% Polyester)*

- This is the highest grade in the category, specially knitted to give a luxuries and high quality feel.
- Its full Cotton content makes it sweat absorbent, very soft and comfortable. Best in term of comfortable & quality. Get wrinkly easily & suitable for occasional use only.

#### CVC

*(65% Cotton / 35% Polyester)*

- This is the medium class in the category, specially knitted to provide a better quality feel.
- Its 65% of Cotton ingredient makes it more sweat absorbent, softer and more comfortable. The amount of Polyester mixed adds stiffness to the t-shirt and make it drape well yet maintain its durability.

#### TC

*(35% Cotton / 65% Polyester)*

- This is the budget & very popular material. Its low price makes it very attractive. Normally recommended for general usage.
- It is generally hotter and least sweat absorbent because of least Cotton content, therefore It does not shrink, go out of shape and crumple resistant.

#### Microfiber

*(0% Cotton / 100% Polyester)*

- Microfibre provide a shinny & premium look yet relatively affordable in term of pricing.
- It is popular used in promotional events & occasional activities. It is suitable for both Collar & Round Neck t-shirt for sporty and trendy image.

<sup>[1]</sup> Lacoste / HoneyComb / Pique is a knitting style, which has distinct hole-like patterns. These patterns can be the shape of diamonds and honeycombs. It is suitable for **Polo or Collared t-shirt**. Widely used for company uniforms, semi-formal and formal working wear.

<sup>[2]</sup> Single Jersey or Single Knit refers to a type of fabric usually found on the typical Round Neck t-shirt. It has a smooth surface, with no patterns. It is suitable for **Round Neck t-shirt & V Neck t-shirt**. Good for casual, mass events and youths.

<sup>[3]</sup> Microfiber fabric is often used for athletic wear, because the microfiber material wicks moisture away from the body, keeping the wearer cool and dry. Microfiber is light weight also very elastic that can be used to make tough, very soft-to-the-touch materials for general clothing use. It is commonly used in **Foot Ball Jerseys, Cycling Jersey, shorts and pants, jackets, aquatic wears... etc.** The function of Dry Fit / ClimaCool / Quick dry... etc is to absorb sweat, making you feel dry and fresh.

## TYPE OF FABRIC FOR APRON / VEST

### Polyester

- Polyester fabric and fiber are extremely strong and durable.
- Resistant to most chemicals, stretching and shrinking, wrinkle resistant and quick drying.

### TC Drill

- TC Drill is versatile and durable cotton fabric with a strong bias (diagonal) in the weave
- Light weight drill is used in clothing items such as work clothing and uniforms
- Heavy cotton drill is widely used for making cooks' uniforms (chefs' wear) because it is thick enough to protect the wearer from heat

## TYPE OF FABRIC FOR F1 / CORPORATE UNIFORM

### Comb Cotton

- Combed Cotton is attained after removing the shorter fibers leaving a longer and neat fiber.
- Combed cotton yarn is better in quality than the normal yarn. Fabric made of combed cotton yarn has better texture, washability and durability.

### Oxford

- Oxford cloth has a basketweave structure and a lustrous aspect making it a popular fabric for a dress shirt.
- Oxford is a bit thicker than others dress shirt fabrics, and has a hearty feel that is both durable and naturally resistant to wrinkles.

### Viscose

- Viscose is manufactured regenerated cellulose fibre, it falls somewhere in between natural (like cotton) and synthetic (like nylon). it's luxurious look and yet affordable price
- Viscose is versatile and blends easily with other fibres. It is renowned for its silk like lustre, appealing drape and superior softness to cotton.

### Poly Soft

- Polysoft is an acrylic polymeric impregnated fabric. It is a coated polyester that has a very high breaking strength, abrasion, mould and ultraviolet resistant.
- It also has excellent colour fastness and lasting outdoor durability. It is breathable and waterproof.

## TYPES OF FABRIC FOR BASKETBALL SHORT

### Cotton

(For the details, please refer to "Type of fabric for shirts", pg 04)

### 100% Polyester

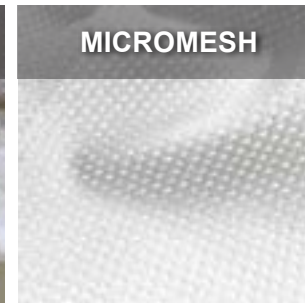
- Interlock fabric has a silky feel, is lightweight and snag resistant
- Lightweight and durable

TYPE	PROS	CONS
Cotton	Cotton shorts are comfortable. These are an optimal choice for lounging or for playing in cooler climates.	Often are heavier than other material, and they absorb sweat.
Polyester	This is the most common fabric that basketball shorts are made from, so choices of this type of short are nearly endless.	May not last as long as thicker cotton shorts.



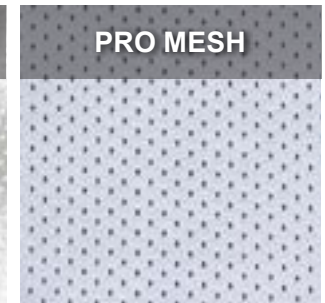
SHINY DAZZLE

- Light weight and elastic with a shiny fabric



MICROMESH

- Ultra light fabric with perforations for improved breathability. Shiny finish.



PRO MESH

- Classic Basketball Fabric. Light weight and perforated with a matt finish.

## TYPE OF FABRIC FOR CYCLING ATTIRE / SPORT WEAR

### Spandex

- Spandex, Lycra or elastane is a synthetic fiber known for its exceptional elasticity. It is stronger and more durable than natural rubber.
- A benefit of spandex is its significant strength and elasticity and its ability to return to the original shape after stretching and faster drying than ordinary fabrics.
- Because of its elasticity and strength, spandex has been incorporated into a wide range of garments, especially in skin-tight garments.

### Microfiber

*(For the details, please refer to "Type of fabric for shirts", pg 04)*

### Lycra

- Lycra is almost always mixed with another fabric -- even the stretchiest leotards and bathing suits are less than 40-percent Lycra mixed with cotton or polyester.
- Due to its ability to mold to the body, Lycra is ideal for compression garments, surgical stockings, swimwear and sportswear.
- It's also used to add stretch to jeans, tops, dresses and even fitted sheets.

## TYPE OF FABRIC FOR TRACKSUITS

### Tricot

- Tricot is a warp-knit fabric of various natural or synthetic fibers, having fine vertical ribs on the face and horizontal ribs on the back.
- Tricot fabric has a unique weave that allows it to be smooth on one side, with texture on the other side. This allows the fabric to be sturdy, yet soft.

### Microfiber

*(For the details, please refer to "Type of fabric for shirts", pg 04)*

### Cotton

- Cotton has been a common material for tracksuits because it is comfortable, absorbent, and light.
- Pure cotton tracksuits are popular with many active men as these garments are comfortable and absorb sweat well; however, they are better suited for dry weather.

### Polar Fleece

- Polar Fleece is a popular material for tracksuits because it is comfortable and can efficiently wick away moisture from the body to keep the wearer dry.
- Polar Fleece tracksuits often have a smooth texture on the outside and a woolly texture on the inside of the garment. They are not water resistant.
- Polar fleece is a soft napped insulating fabric made from polyester.
- Polar fleece garments traditionally come in different thicknesses: micro, 100, 200, and 300, with 300 being the thickest and least flexible.
- Polar fleece is used in jackets, hats, sweaters, sweatpants, cloth nappies, gym clothes, hoodies, blankets, and high-performance outdoor clothing.

## TYPE OF FABRIC FOR SKIRTS

### Poly/Spandex

- 84%polyester/16%spandex.
- Moisture Transport System - wicks away sweat quickly to keep you dry and cool.
- Secure & comfortable two layer - skirt outer and shorts inner, you can enjoy your sports without worries. double layer triangle shaped gusset avoids riding up & pinching, enhances your range of motion.
- Wide elastic waistband & internal drawcord - adjustable and comfortable to wear.

### Microfiber

*(For the details, please refer to "Type of fabric for shirts", pg 04)*

### Lycra

*(For the details, please refer to "Type of fabric for cycling attire / sport wear", pg 06)*

## TYPE OF FABRIC FOR SHORTS

### Microfiber

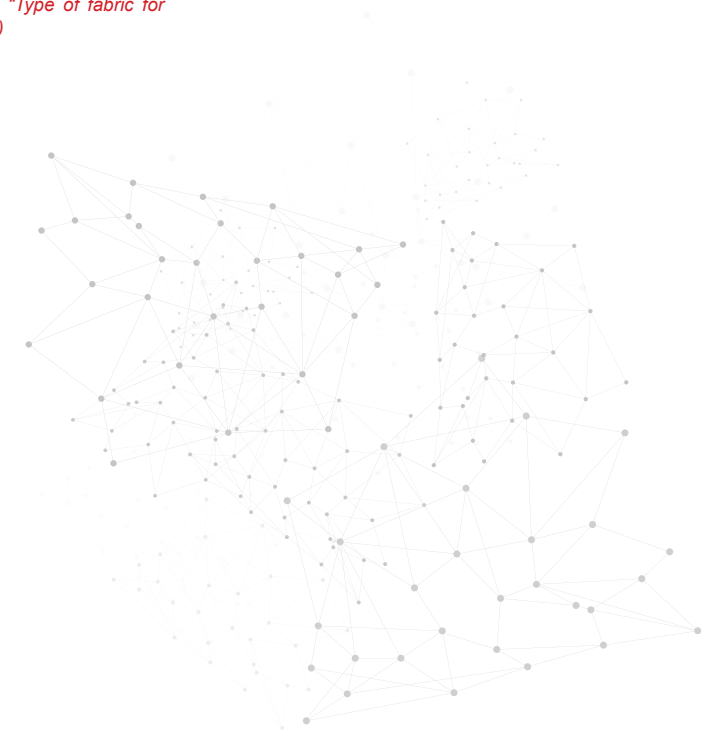
*(For the details, please refer to "Type of fabric for shirts", pg 04)*

### Tricot

*(For the details, please refer to "Type of fabric for tracksuits", pg 06)*

### Lycra

*(For the details, please refer to "Type of fabric for cycling attire / sport wear", pg 06)*



## SINGLE KNITS (JERSEY) AND DOUBLE KNITS (INTERLOCK)

The two major categories of knit fabrics are Single Knits (Jersey) and Double Knits (Interlock).



**SINGLE KNITS (JERSEY)**

- It doesn't have a lot of stretch factor.
- It usually doesn't recover very well after being stretched (unless it has spandex in it).
- Right and wrong sides are different: Vertical knit ribs are shown on the right side, while you can see horizontal purls on the wrong side.
- When pulled, its edges tend to curl toward the right side (perpendicular to the grainline) and to the wrong side (along the selvages).
- It usually hangs quite well from your body, depending on weight and fiber content.



**DOUBLE KNITS (INTERLOCK)**

- It's more stable and thicker than jersey.
- It doesn't recover very well after being stretched (unless it has spandex in it).
- Its edges don't curl, so it's easier to work with.
- It's hard to distinguish between right and wrong sides.

## LINING

The name given to material sewn into the inside of a garment to make it more opaque or more comfortable against the skin. Lining fabrics can be made of natural or man-made fibers.

## OTHERS TYPE OF FABRIC

### Reflective Tape

- Reflective tape is a durable, high-strength adhesive used to clearly mark areas or objects, providing a reflective light that is cast off the tape.
- The prism surface reflects light, to enable objects to become visible at night or in low light situations. which is why reflective safety tape is perfect for any such applications.

### Non Woven

- Non-woven fabric is a fabric-like material made from staple fiber and long fibers, bonded together by chemical, mechanical, heat or solvent treatment.
- Non-woven fabrics do not necessitate weaving or knitting during production. they can be produced quickly and efficiently, all the while preserving very high standards of quality, softness and resilience.

### Nylon

- A completely synthetic fiber, nylon is known for its superior flexibility and excellent resilience.
- Nylon makes a silky material which is strong, hard and water resistant

### Fleece

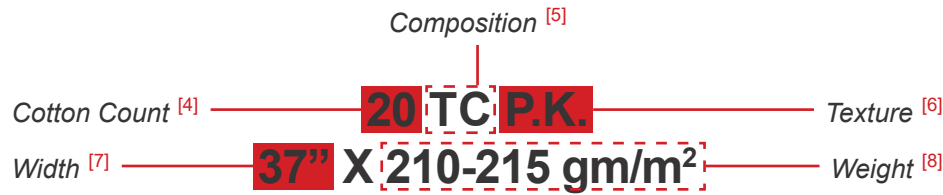
- Fleece is a soft napped insulating fabric made from polyester.
- Fleece can stretch more easily in one direction than in others, is very light, soft, and easy to wash
- Fleece fabrics are made of 60% cotton and 40% polyester that can be used to make warm and snugly winter clothing

### French Terry

- French Terry fabric is a knitted terry cloth fabric that features loops and soft piles of yarn on one side, (usually the inside of a garment), and a smooth, soft surface on the other side.
- The result is an absorbent, light-weight, moisture-wicking material that's super comfortable to wear any day of the year.

### 1.3 TEXTILE

#### EXAMPLE



#### [4] COTTON COUNT (20 KNITTED, 24 KNITTED, 26 KNITTED)

Cotton count is another measure of linear density. It is the number of hanks (840 yd or 770 m) of skein material that weigh 1 pound (0.45 kg). Under this system, the higher the number, the finer the yarn. A regular single-knit T-shirt can be between 20 and 40 count. The number is now widely used in the staple fiber industry.

20 Knitted P.K.



24 Knitted Lacoste



26 Knitted Lacoste



#### [5] COMPOSITION

There are 4 types of composition. *(For the details, please refer to Section 1.1 Yarn Material, pg 03 - pg 04)*

#### [6] TEXTURE

The quality of a polo shirt does not just depend on the materials but also the knit. Knitting is a method by which yarn is manipulated to create the fabric. Different types of yarns (fibre type, texture, and twist), needle sizes and stitch types can be used to achieve knitted fabrics with diverse properties (colour, texture, weight, heat retention, water resistance or integrity). There are numerous types of knits, below are the few common knits.

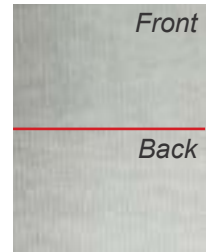


#### Pique Knit

Pique knit has the characteristic of a three-dimensional waffle look. It looks like a tiny mesh grid. Pique knit is the most popular polo shirt knit as it is not only flexible but also breathable. The scale of the waffle can differ tremendously and different kinds of knits are in existence. Bigger holes are used for more breathability and smaller holes are used for lesser weight. In terms of breathability, Pique knit is more superior to Jersey knit.

#### Jersey Knit

Jersey knit or referred to as single knit. It has distinct front and back sides, with fine ribs running lengthwise on fabric's face, and semicircular loops running across reverse. Many variations of stitches and fibers create wide variety of single knits, ranging from delicate openwork to heavy, thick piled fabric. This knit has little or no lengthwise stretch, varying amounts of crosswise stretch. Curly to fabric's right side; cut edges unravel only from end knitted last. Jersey knitted fabric with little or no crosswise or lengthwise stretch can be used for skirts, blouses, dresses and t-shirts without pattern adjustments. Jersey with crosswise stretch requires pattern adjustments or pattern designed for crosswise stretch.



#### Interlock Knit

Interlock fabric is made by interlocking two simple ribbed fabrics, each made with single yarn. This knit has fine ribs running lengthwise. Fabric's face and reverse look the same thus making it reversible. Interlock knit has no lengthwise stretch; more crosswise stretch than double knits or jersey knit. This knit has fairly good shape retention. Interlock knit fabric is smooth on both sides and is wonderful for T-shirts, polo shirt, turtlenecks, casual skirts and dresses.

#### Eyelet Knit

The same good characteristics of jersey can be embellished with the addition of an eyelet pattern. This knitting method is the Eyelet knit, whereby small holes or perforation are patterned on the fabric to facilitate breathability. This eyelet knit fabric is commonly used in sport wears.



#### Lacoste Knit

Lacoste knit is a variant of pique knit with similar knitting style. It mimics the hexagonal wax cells pattern found in bee hives. The Lacoste knit consists of ridges and hollows that allow the fabric to readily absorb moisture and thus it is a popular fabric for polo shirts.



## [7] BOLT (ROLL OF FABRIC)



A bolt is a unit of measurement used as an industry standard for a variety of materials from wood to canvas, typically materials stored in a roll. The width of a bolt is usually 45 or 60 inches, but widths may include 35–36", 39", 41", 44–45", 50", 52–54", 58–60" and 66", 72", 96", and 108". The Length will vary according to the type of material measured.

## [8] DEFINATION OF GSM

The GSM listed is the weight of the fabric. GSM (also known as gm/m<sup>2</sup>) = grams per square meter and is the metric measurement of the weight of a fabric.

Generally The heavier the weight, the thicker the fabric will be, although bear in mind that the weight does not tell you how thick the fabric is, the same weight may not have the exact same thickness.

## PRE - SHRUNK COTTON

100% cotton t-shirts were almost guaranteed to shrink when washed and dried. Pre-shrunk garments are items of clothing that have already been washed, or "compacted," so additional washings will not shrink the garment significantly. However, in most cases commercial "pre-shunk" fabrics will still shrink a bit.

## COMBED COTTON

Combed cotton is a kind of cotton that has been combed to make the yarn stronger and softer. The combing process also rids the batch of shorter fibers and impurities, which results in a finer, stronger and more compact cotton. Combed cotton is considered higher-quality and softer than cotton that hasn't been combed.

- **Cotton Carded**
  - \* Raw Cotton without go through the combing process
- **Semi Combed Cotton**
  - \* Cotton which go through the basic combing process
- **Fully Combed Cotton**
  - \* Cotton which go through completed combing process

## 1.4 MATERIAL SAMPLE

### POLO SHIRT / ROUND NECK

100 % Cotton Single Knit



CVC Single Knit



TC Single Knit



100 % Polyester



TC Lacoste



CVC Lacoste



## SUBLIMATION PRINTING

Microfiber Interlock



Microfiber Mini Mesh



Microfiber Eyelet



Microfiber PK

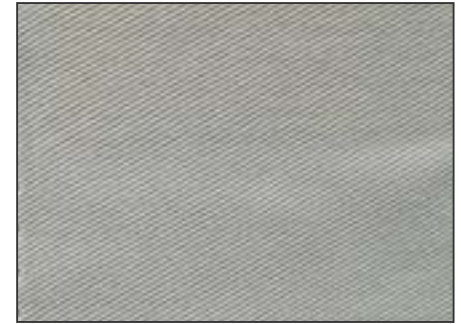


## F1 CORPORATE SHIRT

Comb Cotton



Poly Soft



Viscose

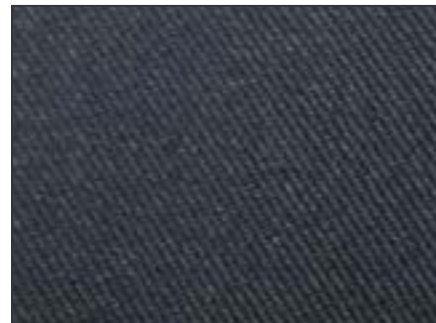


Oxford



## APRON

Polyester



TC Drill



OTHERS TYPE OF FABRIC

Tricot



Lycra



Spandex



Non woven



Reflective Tape



Fleece



French Terry



Nylon



# PRINTING SERVICES

We are printing perfectionists.

SILK SCREEN PRINTING	2.1
HEAT PRESS PRINTING	2.2
EMBROIDERY SERVICE	2.3
DIRECT TO GARMENT (DTG) PRINTING	2.4
SUBLIMATION PRINTING	2.5
PRINTING POSITION	2.6

We provide the most comprehensive and one stop printing solution for our customers, make it easy for them and fulfill their budget.

Printing method that we are providing are:

Silk Screen Printing  
Heat Press Printing  
Embroidery Service  
Direct to garment (DTG) Printing  
Sublimation Printing

## 2.1 SILK SCREEN PRINTING

We use this printing technique to process Mass Printing order.

Screen printing is a printing technique whereby a mesh is used to transfer ink onto a substrate, except in areas made impermeable to the ink by a blocking stencil. The screen is placed atop a substrate. Ink is placed on top of the screen, and a floodbar is used to push the ink through the holes in the mesh.

Because of the technique of screen printing, only one color can be applied at a time. Therefore, the number of colors on a t-shirt are limited.

Screen printing is a good choice for simple designs, one solid color, and when you're making many t-shirts of the same design at a time.

*(For the printing price list, please refer to Table 5.3.1, pg 23)*



### PROCESSING DAYS

It will take 1 week time for normal Silk Screen Printing



### MINIMUM REQUIREMENT

Minimum of 30pcs of T-Shirt in one design

# PRINTING SERVICES

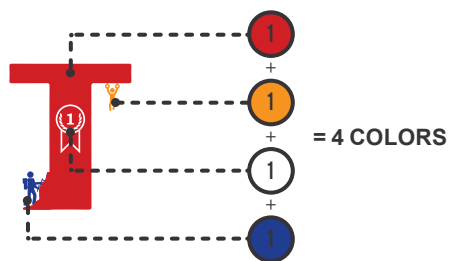


Diagram 2.1.1 Sample of Silk Screen Printing



Diagram 2.1.2 Sample of Silk Screen Printing

### DESIGN ARTWORK COLOR CALCULATION

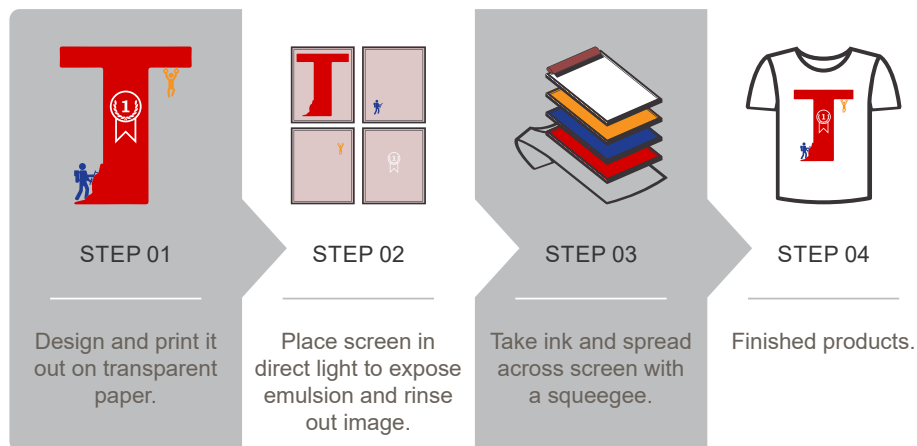


Graphic/ Design is based on Palette then it forms a graphic on the T-Shirt. Design Plate and Color is all related together.

In this diagram it contains Red, Orange, White, and Dark Blue that you can easily sort it out, which is more suitable to Silk Screen Printing Technique. This technique, whereby will create one plate for each color. According to the diagram, it needs four different plates.

### PRINTING TECHNIQUE PROCESS

In order to print using the silk-screen printing technique, different materials are used.



### 2.2 HEAT PRESS PRINTING

This technique have a purpose in many corporate and marketing projects.

A heat press is a machine engineered to imprint a design or graphic on a substrate, such as a t-shirt, with the application of heat and pressure for a preset period of time.

While heat presses are often used to apply designs to fabrics, specially designed presses can also be used to imprint designs on mugs, plates, jigsaw puzzles, caps, and other products.

A heat press is used to permanently apply a heat transfer to a surface. Common transfer types are Heat Transfer Vinyl cut with a Vinyl Cutter, Printable Heat Transfer Vinyl, Inkjet Transfer Paper, Laser Transfer Paper, Plastisol Transfers, and Sublimation.

Using a Heat Press to apply a heat transfer is a way to ensure accurate time, temperature, and pressure, which are all essential to the transfer process.

*(For the printing price list, please refer to Table 5.3.2, pg 23)*



Diagram 2.2.1 Sample of Heat Press Printing



#### PROCESSING DAYS

Usually it will take 5-7 days to finish



#### MINIMUM REQUIREMENT

No Minimum Requirement

PRINTING TECHNIQUE PROCESS

01

Choose the image or design the artwork you want to press onto the T-shirt. Ideas include a personal digital photograph, an abstract artistic design or a slogan. Use graphic design software to create or edit your T-shirt's artwork as necessary. Horizontally flip the image or artwork using the software to reverse it.

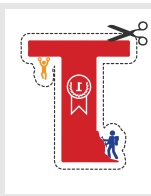


Print the reversed image or artwork onto heat transfer paper. Heat transfer paper should have a clear or opaque film on one side of it.

02

03

Cut out any parts of the transfer paper you do not want to press onto the T-shirt. Because your art's ink needs the paper's film to stay on the T-shirt, any unwanted paper you leave will have its film transferred onto the shirt.



Lay the mirrored artwork or image face down over your chosen T-shirt.

04

05

Place the artwork and T-shirt in between the plates of a heat press. Apply heat and medium to high pressure from the press to transfer the artwork or image onto the T-shirt.



Remove the transfer paper, and the shirt is ready to wear!

06

2.3 EMBROIDERY SERVICE

It will show took extra time and effort to create a truly authentic piece of clothing.

Embroidery is the handicraft of decorating fabric or other materials using a needle to apply thread or yarn. Embroidery is available with a wide variety of thread or yarn color. Contemporary embroidery is stitched with a computerized embroidery machine using patterns digitized with embroidery software.

Millions of companies wear logo embroidered shirts to identify and promote their company logos and image. Most embroidered logos are done on the left chest and look really good on polo shirts, button-down shirts, caps and hats, sweatshirts, jackets and bags.

Embroidery machine is used to add logos and monograms to business shirts or jackets, gifts, and team apparel.

(For the price list, please refer to Table 5.3.3, pg 23)



PROCESSING DAYS

Usually spend 1 week time to finish



MINIMUM REQUIREMENT

Minimum order quantity is 20pcs



Diagram 2.3.1 Sample of Embroidery Service

## 2.4 DIRECT TO GARMET PRINTING

This is a great way to get full color prints on just a few shirts.

Direct to garment printing, also known as DTG printing, digital direct to garment printing, is a process of printing on textiles and garments using specialized or modified ink jet technology. The three key requirements for a DTG printer are a way to hold the garment in a fixed position, an inkjet print head, and specialty inks (inkjet textile inks) that are applied to the textile directly by the print head and are absorbed by the garment's fibers. Digital printing technologies are non-contact, meaning that media is printed on without hand contact, allowing for a more precise image.

Since the DTG printer is as precise as...well...a printer, you're able to print images in much higher detail than screen printing, and you're not limited in color. Because the printer can print any image, customization is simple.

Direct to Garment (DTG) is a method where a printer directly applies the ink onto the t-shirt with inkjet technology. It involves a special printer, which prints the ink directly onto the garment in the desired design. DTG uses specialty inks, which are absorbed by the fibers of the garment.

*(For the printing price list, please refer to Table 5.3.4, pg 23)*



Diagram 2.4.1 Sample of DTG Printing



### PROCESSING DAYS

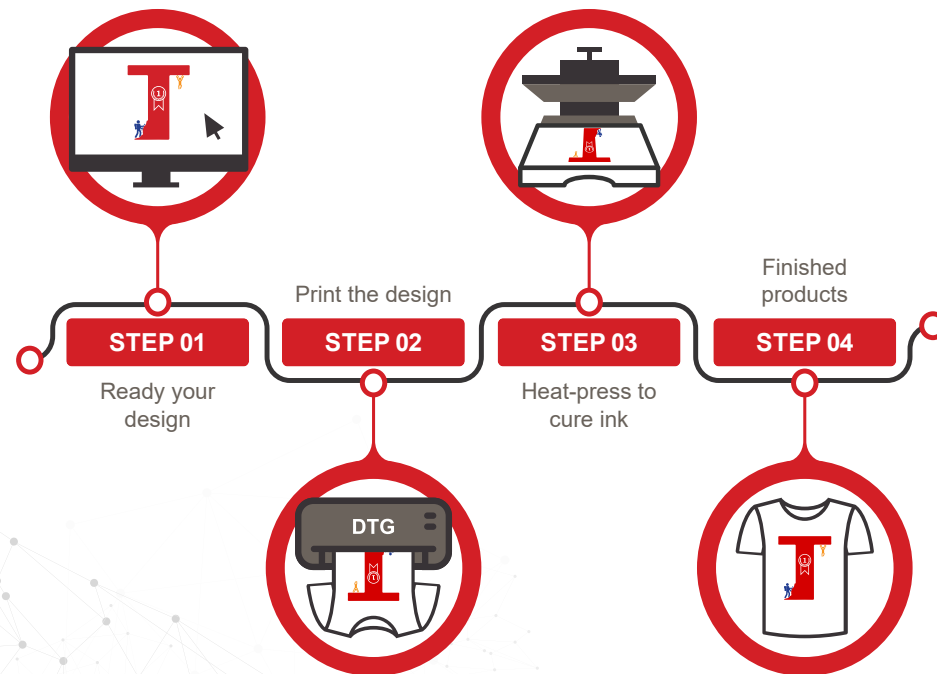
Normally it will take 3-5 working days to finish



### MINIMUM REQUIREMENT

No Minimum Requirement

## PRINTING TECHNIQUE PROCESS



## 2.5 SUBLIMATION PRINTING

Unlike screen printing, the dye is absorbed by the fabric for a fantastic, soft-to-the-hand feel.

Dye Sublimation is a printing technique that allows for full color, all-over apparel prints. Your artwork is printed onto a sheet of high-release paper and the paper will transferred onto your apparel using heat and pressure. Heat converts the solid dye particles into a gas — known as sublimation — and bonds them to the polyester fibers.

Dye-sublimation printers use CMYK(Cyan, Magenta, Yellow, Key/Black ) colors and it work on 100% polyester material only.

(For the printing price list, please refer to Table 5.3.5, pg 23)



Diagram 2.5.1 Sea games collections



### PROCESSING DAYS

It will take 2 weeks time for normal Sublimation Printing



### MINIMUM REQUIREMENT

Minimum order quantity is 30pcs

## 2.6 POSSIBLE PRINTING POSITION

Printing positions are available for the front, back and sleeve.

PRINTING METHODS	SIZE	POSITION
Silk Screen Printing	A7, A5, A4, A3, Full Printing (Cut Piece)	All position
Heat Press Printing	A7, A5, A4, A3, Custom Size	All position
Embroidery Service	A7, A5, A4	All position
DTG Printing	A7, A5, A4, A3	Front or Back
Sublimation Printing	A7, A5, A4, A3, Custom Size	All position + Full Print

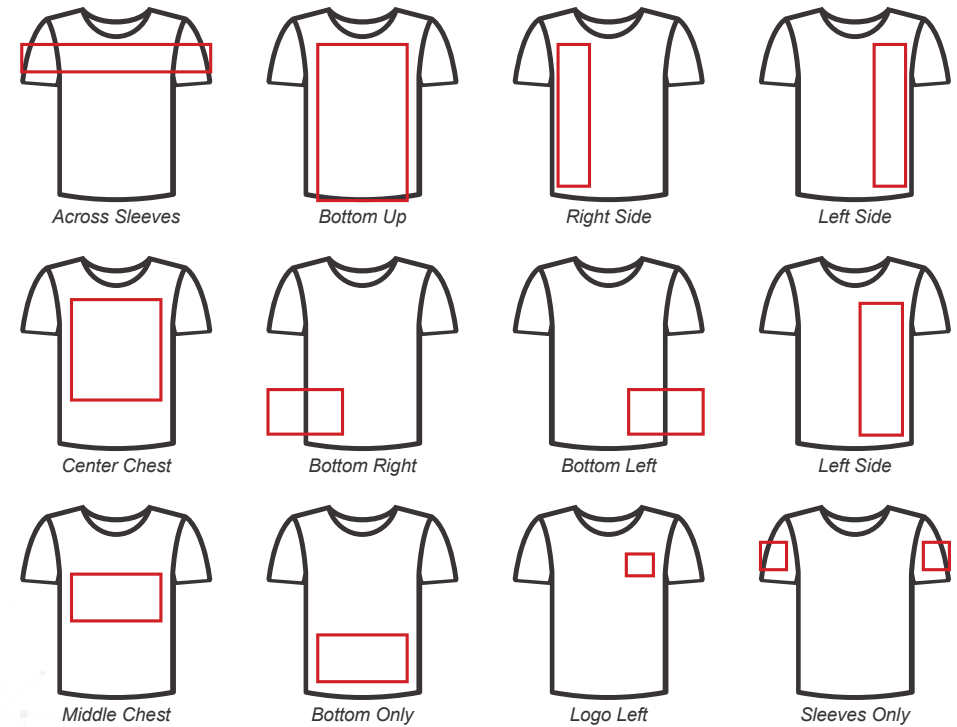


Diagram 2.6.1 Sample of Printing Position



# READY MADE PRODUCT

Ready made products are often chosen by customers with less quantity and faster delivery time

(Please refer to online catalog for shirts selling price.)

SHIRT & TEAM WEAR 3.1  
ACCESSORY 3.2

Ready made products are split into two main categories

Shirt/Team Wear  
Accessory

### 3.1 SHIRT & TEAM WEAR

Mainly are Round Neck, Polo Shirt (with Collar), Sweatshirt, Hoodie, Jersey, Tracksuit, Jackets, Vest, Pants, Muslimah, F1 Corporate Shirt...etc

### 3.2 ACCESSORY

Mainly are Caps, Apron, Non Woven/Canvas Bags, Back Pack, Hand/Face Towel, Thumb Drive, Lanyard, Medal/Trophy, Keychain, Pen...etc

### MAJOR SUPPLIERS GUIDE



#### OREN SPORT

Supplier for shirt and team wear, caps, towel

(Please refer to Oren Sport Catalog for completed products guide)



#### MEGAH TEXTILE

Supplier for shirt and team wear

(Please refer to Oren Sport Catalog for completed products guide)



#### ENZO MARKETING

Supplier for shirt and team wear, caps

(Please refer to Enzo Catalog for completed products guide)



#### ALAM FASHION

Supplier for shirt and team wear

(Please refer to Alam Fashion Catalog for completed products guide)



#### ARORA SPORTS

Supplier for shirt and team wear

(Please refer to Arora Sports Catalog for completed products guide)



#### MYGIFT UNIVERSAL

Supplier for Accessory

(Please refer to MyGift Catalog for completed products guide)

READY  
MADE  
PRODUCT

# CUSTOM MADE PRODUCT

The definition of custom made is built to a specific order or specifications.

*(Please refer custom made price list for detail, pg 22)*

*(CUSTOM MADE ITEMS) APPAREL 4.1  
(CUSTOM MADE ITEMS) ACCESSORY 4.2  
CUSTOM MADE SHIRT SIZE CHART 4.3*

# CUSTOM MADE PRODUCT

*Custom made products require a MOQ (Minimum Order Quantity) and production lead time.  
Country of Origin : Malaysia or Oversea Factory (Mainly China)*

*It made to order, according to the customer's specifications or requirement.*

## CUSTOM MADE ITEMS

### 4.1 APPAREL

- Round neck shirt, Polo shirts (collar), F1 Corporate shirt, Apron, jacket, vest ... etc
- Choice of Cut & sew or sublimation
- Choice of special made collar , cuff included colour combination

### 4.2 ACCESSORY

- Caps, Non woven bags, key chain...etc

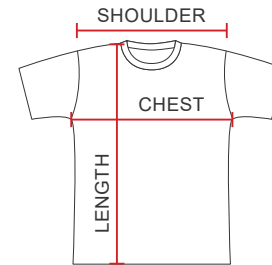
## MINIMUM ORDER AND LEAD TIME

- Apparel
  - \* Require minimum quantity order (MOQ) of 50pcs and above
  - \* Lead time normally is 2-3 weeks upon confirmation with deposit made
  - \* Special Dye color also available with quantity of 600pcs and above
  - \* Lead time for special dye color is 3 weeks
- Accessory
  - \* Minimum quantity order (MOQ) is base on individual factory requirement
  - \* Local Factory or Oversea Factory (mianly China Factory)
  - \* Lead time take up to 70 days including sea shipping
  - \* Option of Sea freight or Air Freight



## 4.3 CUSTOM MADE SHIRT SIZE CHART

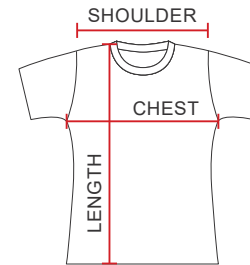
### UNISEX ROUND NECK



SIZE	SHOULDER	CHEST	LENGTH
XS	15"	36"	24"
S	16"	38"	25"
M	17"	40"	26"
L	18"	42"	27"
XL	19"	44"	28"
2XL	20"	46"	29"
3XL	21"	48"	30"

TOLERANCE: +/- 2.54 cm

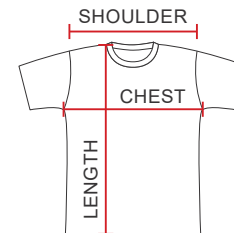
### LADIES ROUND NECK



SIZE	SHOULDER	CHEST	LENGTH
S	13"	32"	23"
M	14"	34"	24"
L	15"	36"	25"
XL	16"	38"	26"

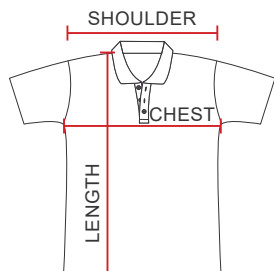
TOLERANCE: +/- 2.54cm

### KIDS ROUND NECK



SIZE	SHOULDER	CHEST	LENGTH
24	11"	24"	17"
26	12"	26"	18"
28	13"	28"	19"
30	14"	30"	20"
32	15"	32"	21"
34	16"	34"	22"

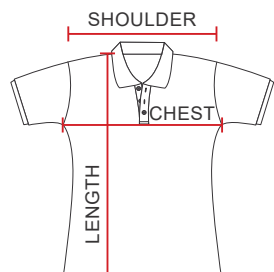
### UNISEX COLLAR SHIRT



SIZE	SHOULDER	CHEST	LENGTH
XS	15"	36"	25"
S	16"	38"	26"
M	17"	40"	27"
L	18"	42"	28"
XL	19"	44"	29"
2XL	20"	46"	30"
3XL	21"	48"	31"

TOLERANCE: +/- 2.54 cm

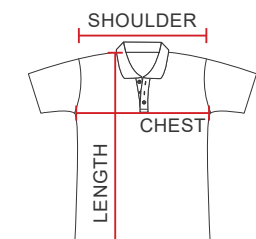
### LADIES COLLAR SHIRT



SIZE	SHOULDER	CHEST	LENGTH
S	13"	32"	23"
M	14"	34"	24"
L	15"	36"	25"
XL	16"	38"	26"

TOLERANCE: +/- 2.54 cm

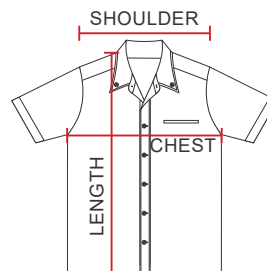
### KIDS COLLAR SHIRT



SIZE	SHOULDER	CHEST	LENGTH
24	11"	24"	17"
26	12"	26"	18"
28	13"	28"	19"
30	14"	30"	20"
32	15"	32"	21"
34	16"	34"	22"

TOLERANCE: +/- 2.54 cm

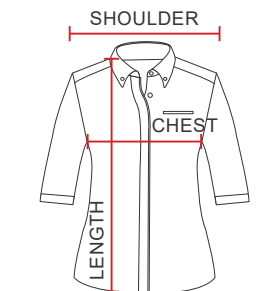
### UNISEX F1 CORPORATE SHIRT



SIZE	SHOULDER	CHEST	LENGTH
S	17"	40"	28"
M	18"	42"	28.5"
L	19"	44"	29.5"
XL	20"	46"	30.5"
2XL	21"	48"	31"
3XL	22"	50"	31.5"

TOLERANCE: +/- 2.54 cm

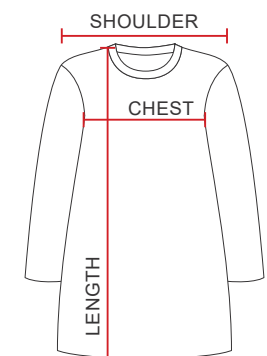
### LADIES F1 CORPORATE SHIRT



SIZE	SHOULDER	CHEST	LENGTH
S	15"	36"	25.5"
M	15.5"	38"	26.5"
L	16"	40"	27.5"
XL	16.5"	42"	29"
2XL	17"	44"	29.5"
3XL	17.5"	46"	30"

TOLERANCE: +/- 2.54 cm

### MUSLIMAH



SIZE	SHOULDER	CHEST	LENGTH
XS	16"	36"	32"
S	17"	38"	33"
M	18"	40"	34"
L	18.5"	42"	35"
XL	19.5"	44"	36"
2XL	20.5"	46"	37"
3XL	21.5"	48"	38"

TOLERANCE: +/- 2.54 cm

# PRICING

QUOTATION 5.1  
CUSTOM MADE PRICE LIST 5.2  
PRINTING PRICE LIST 5.3

# PRICING

## 5.1 QUOTATION *(Please refer to printing price list for detail, pg 23)*

### QUOTATION FOR READY MADE ITEM

- Shirt model - different model is different selling price
- Printing method - heatpress, silkscreen, embroidery, sublimation
- Artwork size - A7, A5, A4, A3...etc
- Colors contain in the artwork (silkscreen printing only)
- Quantity order

### DELIVERY AND CHARGES

- We provide Door to Door Delivery service to our customers.
- Choice of by Pos or Customer Self Collection (depending on customer own prefer)
- Area Delivery covered
  - \* Local (KL/PJ Area)
  - \* Within Peninsula Malaysia
  - \* To East Malaysia (Sabah and Sarawak)
  - \* International and Rest Of The World (EXPORT)
- Mode of Delivery : Road Transport, Sea Freight and Air Freight
- Charges applied base on Mode Of Delivery and Destination

*(For Export, charges will be applied for Delivery only. Any Duties and Taxes applied by Customer's Government are not included and will be bear by customer.)*

### Minimum Order for Printing

PRINTING	MOQ	CHARGES
Silk Screen Printing	30 pcs	<ul style="list-style-type: none"> <li>• Block Size (A3/A4 Block)</li> <li>• Colors to print</li> </ul>
Heat Press Printing	X	<ul style="list-style-type: none"> <li>• Artwork Size (A7/A5/A4/A3...etc)</li> </ul>
Embroidery Printing	20 pcs	<ul style="list-style-type: none"> <li>• Artwork Size (A7/A5/A4/A3...etc)</li> </ul>
Direct to Garment Printing	X	<ul style="list-style-type: none"> <li>• Artwork Size (A7/A5/A4/A3...etc)</li> <li>• Garment Color</li> </ul>
Sublimation Printing	30 pcs	<ul style="list-style-type: none"> <li>• Quantity</li> </ul>

### QUOTATION FOR CUSTOM MADE ITEM

- Depending on item to made - shirt, round neck, F1 corporate shirt, Apron...etc
- Depending Material to made.... TC, CVC, Polyester, Viscose...etc
- Design of the item
  - \* Plain - without any cut and sew
  - \* Simple - with the colored collar and rib
  - \* Normal - with color sleeve and simple cut and sew
  - \* Difficult - a lot of cut & sew and hard work to do

### ADDITIONAL CHARGES FOR ADD-ON

Additional charges will applied as below:

- Long Sleeve
- Pocket
- Reflective tape
- Zip
- Mock Neck with Zip
- Larger size ( 3XL and above)

## 5.2 CUSTOM MADE PRICE LIST

### ROUND NECK / V-NECK

(Material: TC SJ / Microfiber)

DESIGN	50-100 PCS		101-300 PCS		301-1000 PCS		ABOVE 1001 PCS	
	Light Color	Dark Color	Light Color	Dark Color	Light Color	Dark Color	Light Color	Dark Color
Plain	12.00	13.00	10.00	11.00	9.00	10.00	8.00	9.00
Simple	13.00	14.00	11.00	12.00	10.00	11.00	9.00	10.00
Medium	14.00	15.00	12.00	13.00	11.00	12.00	10.00	11.00
Complex	15.00	16.00	13.00	14.00	12.00	13.00	11.00	12.00

Plain : Plain without mixed any other colour  
 Simple : Included Colour Rip  
 Medium : Normal Mixed colour with Sleeves and simple Cut&Sew  
 Complex : Special Design and much work to do

ADD-ON	ADDITIONAL PRICE	SIZE	ADDITIONAL PRICE
Pocket	+ 1.00	3XL	+ 1.00
Neon / Fluorescent	+ 1.00	4XL	+ 2.00
TC Interlock (210gsm+)	+ 2.00	5XL	+ 3.00
FC Interlock (210gsm+)	+ 4.00	6XL	+ 4.00
Reflective Tape	+ 4.00	7XL	+ 5.00
Long Sleeve	+ 2.00	8XL	+ 6.00

### POLO T / COLLAR T-SHIRT

(Material: TC SJ / Microfiber / TC Lacoste / TC PK)

DESIGN	50-100 PCS		101-300 PCS		301-1000 PCS		ABOVE 1001 PCS	
	Light Color	Dark Color	Light Color	Dark Color	Light Color	Dark Color	Light Color	Dark Color
Plain	17.00	18.00	14.00	15.00	12.00	13.00	11.00	12.00
Simple	19.00	20.00	16.00	17.00	14.00	15.00	13.00	14.00
Medium	21.00	22.00	18.00	19.00	16.00	17.00	15.00	16.00
Complex	23.00	24.00	20.00	21.00	18.00	19.00	17.00	18.00

Plain : Plain without mixed any other colour  
 Simple : Included Colour Rip  
 Medium : Normal Mixed colour with Sleeves and simple Cut&Sew  
 Complex : Special Design and much work to do

ADD-ON	ADDITIONAL PRICE	SIZE	ADDITIONAL PRICE
Pocket	+ 1.00	3XL	+ 1.00
Neon / Fluorescent	+ 1.50	4XL	+ 2.00
CVC Lacoste	+ 1.50	5XL	+ 3.00
TC Interlock (210gsm+)	+ 2.00	6XL	+ 4.00
FC Interlock (210gsm+)	+ 4.00	7XL	+ 5.00
Reflective Tape	+ 4.00	8XL	+ 6.00
Long Sleeve	+ 2.00		

### F1 / CORPORATE SHIRT / JACKET

DESIGN	50-100 PCS		101-300 PCS		301-1000 PCS		ABOVE 1001 PCS	
	Comb Cotton / Polysoft	Viscose / TC Drill	Comb Cotton / Polysoft	Viscose / TC Drill	Comb Cotton / Polysoft	Viscose / TC Drill	Comb Cotton / Polysoft	Viscose / TC Drill
Simple	40.00	45.00	35.00	38.00	31.00	34.00	28.00	31.00
Medium	45.00	50.00	38.00	40.00	33.00	36.00	30.00	33.00
Complex	50.00	55.00	40.00	42.00	35.00	38.00	32.00	35.00

Simple : Plain without any pattern  
 Medium : Simple design with some pattern  
 Complex : Special Design and much work to do

ADD-ON	ADDITIONAL PRICE	SIZE	ADDITIONAL PRICE
Reflective Tape	+ 5.00	4XL	+ 2.00
Long Sleeve	+ 3.00	5XL	+ 4.00
		6XL	+ 6.00
		7XL	+ 8.00
		8XL	+ 10.00

### VEST / SAFETY VEST

DESIGN	50-100 PCS		101-300 PCS		301-1000 PCS		ABOVE 1001 PCS	
	Polyester / Satin	TC Drill	Polyester / Satin	TC Drill	Polyester / Satin	TC Drill	Polyester / Satin	TC Drill
Simple	23.00	28.00	20.00	22.00	18.00	20.00	15.00	17.00
Medium	28.00	33.00	22.00	24.00	20.00	22.00	17.00	19.00
Complex	33.00	38.00	24.00	26.00	22.00	24.00	19.00	21.00

Simple : Without any pocket or extra accessories  
 Medium : Included Pocket and accessories  
 Complex : Included Pocket, accessories and lightning

ADD-ON	ADDITIONAL PRICE
Reflective Tape	+ 4.00

### APRON

DESIGN	1-20 PCS		21-100 PCS		101-1000 PCS		ABOVE 1001 PCS	
	Polyester	TC Drill	Polyester	TC Drill	Polyester	TC Drill	Polyester	TC Drill
Half / Full (Standard Size)	15.00	20.00	13.00	16.00	9.00	11.00	6.00	8.00
Custom Size	25.00	30.00	22.00	25.00	14.00	16.00	7.00	9.00

### 5.3 PRINTING PRICE LIST

#### SILK SCREEN PRINTING

ARTWORK SIZE	COLOR OF PRINTING	30-50 PCS	51-100 PCS	101-300 PCS	301-1000 PCS	1001-3000 PCS	ABOVE 3001 PCS
<b>A4</b> <small>Sample Block Charge RM50</small>	1 COLOR	5.00	3.50	3.00	2.00	1.50	1.00
	2 COLORS	7.50	5.50	4.50	3.00	2.20	1.50
	3 COLORS	10.00	7.50	6.00	4.00	2.80	1.90
	4 COLORS	12.00	9.50	7.50	5.00	3.40	2.30
	W + CMYK	14.00	11.50	9.50	6.00	4.00	2.70
<b>A3</b> <small>Sample Block Charge RM60</small>	1 COLOR	6.00	4.50	3.50	2.50	2.00	1.50
	2 COLORS	9.00	6.50	5.00	3.50	2.80	2.00
	3 COLORS	12.00	8.50	6.50	4.50	3.50	2.50
	4 COLORS	15.00	10.50	8.50	5.50	4.10	3.00
	W + CMYK	18.00	12.50	10.00	6.50	4.60	3.50

Table 5.3.1 Silk Screen Printing Price List

#### EMBROIDERY SERVICE

ARTWORK SIZE	20-30 PCS	31-50 PCS	51-100 PCS	101-300 PCS	301-1000 PCS	ABOVE 1001 PCS
A7 (3" X 4")-LOGO	6.00	4.50	4.00	3.50	3.00	2.50
A5 (6" X 8")	9.00	8.50	8.00	6.00	5.00	4.00
A4 (8" X 11.5")	-	-	-	-	-	-

Table 5.3.3 Embroidery Service Price List

#### SUBLIMATION PRINTING

PRINT AREA	1-5 PCS	6-30 PCS	31-100 PCS	101-300 PCS	301-1000 PCS	1001-3000 PCS	3001-10K PCS	ABOVE 10K PCS	
FULL SUB MAFLA - 2 SIDES	50.00	20.00	15.00	11.00	10.00	9.00	8.00	7.00	
FULL SUB - SINGLET	60.00	31.00	21.00	18.00	16.00	14.00	13.00	12.00	
FULL SUB - ROUND NECK	70.00	36.00	26.00	21.00	19.00	17.00	16.00	15.00	
FULL SUB - COLLAR	80.00	40.00	30.00	25.00	23.00	21.00	20.00	19.00	
FULL SUB - MUSLIMAH	90.00	46.00	35.00	30.00	28.00	25.00	23.00	22.00	
FULL SUB - CYCLING SHIRT	100.00	60.00	50.00	40.00	35.00	30.00	27.00	24.00	
FULL SUB MAFLA - 1 SIDE	50.00	15.00	12.00	9.00	8.00	7.00	6.00	5.00	
FRONT ONLY - SINGLET	60.00	28.00	20.00	16.00	13.00	11.00	11.00	10.00	
FRONT ONLY - ROUND NECK	70.00	33.00	22.00	18.00	16.00	14.00	13.00	12.00	
FRONT ONLY - COLLAR	80.00	37.00	26.00	22.00	20.00	18.00	17.00	16.00	
FRONT ONLY- MUSLIMAH	90.00	41.00	30.00	25.00	23.00	21.00	20.00	19.00	
PRINT & HEAT ONLY(FRONT/BACK)	20.00	10.00	5.00	4.50	4.00	3.50	3.00	2.50	
PRINT & HEAT ONLY(SHORT SLEEVE)	20.00	5.00	2.50	2.25	2.00	1.75	1.50	1.25	
PRINT & HEAT ONLY(LONG SLEEVE)	20.00	6.00	3.50	3.25	3.00	2.25	2.00	1.75	
PRINT & HEAT ONLY(60" X 24")							20.00		

\* DATE VALID FROM 01 OCT 2017 UNTIL 31 DEC 2017

Table 5.3.5 Sublimation Printing Price List

#### HEAT PRESS PRINTING

ARTWORK SIZE	1-5 PCS	6-20 PCS	21-50 PCS	51-100 PCS	101-300 PCS	301-1000 PCS	ABOVE 1001 PCS
A7 (3" X 4")-LOGO	10.00	5.00	3.50	3.00	2.50	2.00	1.50
A5 (6" X 8")	15.00	10.00	6.00	5.00	4.50	3.50	2.50
A4 (8" X 11.5")	20.00	15.00	10.00	9.00	8.00	6.00	4.50
A3 (12.5" X 16")	25.00	20.00	17.00	15.00	13.00	-	-

Table 5.3.2 Heat Press Printing Price List

#### DIRECT TO GARMENT (DTG) PRINTING

GARMENT COLOR	ARTWORK SIZE	1-5 PCS	6-20 PCS	21-50 PCS	51-100 PCS	101-300 PCS	301-1000 PCS	ABOVE 1001 PCS
WHITE COLOR SHIRT	A7 (3" X 4")-LOGO	13.00	11.00	7.00	5.00	3.00	2.50	2.00
	A5 (6" X 8")	16.00	14.00	10.00	8.00	5.00	4.00	2.50
	A4 (8" X 11.5")	20.00	17.00	13.00	11.00	9.00	6.00	5.00
	A3 (12.5" X 16")	25.00	20.00	16.00	14.00	12.00	8.00	6.00
COLORED SHIRT	A7 (3" X 4")-LOGO	16.00	13.00	11.00	7.00	5.00	3.00	2.50
	A5 (6" X 8")	20.00	16.00	14.00	10.00	8.00	5.00	4.00
	A4 (8" X 11.5")	25.00	20.00	17.00	13.00	11.00	9.00	6.00
	A3 (12.5" X 16")	30.00	25.00	20.00	16.00	14.00	12.00	8.00

Table 5.3.4 DTG Printing Price List

(Payment Terms: 50% Deposit + 50% C.O.D)

ADD-ON	ADDITIONAL PRICE	SIZE	ADDITIONAL PRICE
Different name / number	+ 10.00	3XL	+ 2.00
Long Sleeve	+ 4.00	4XL	+ 4.00
Zip	+ 3.00	5XL	+ 6.00
Back Tube	+ 1.00	6XL	+ 8.00
Collar with Zip	+ 5.00	7XL	+ 10.00
Pocket	+ 2.00	8XL	+ 12.00
Heat Press Label	+ 1.50	Kids	- 2.00
Special Packing (Add Tag& Marking)	+ 1.00	* size from XS-2XL will not charge any additional price	

# SATISFIED CUSTOMERS

Hearing from our clients means a lot to us. It is better to get some feedback or suggestion from them so that we can improve our services.

*These are some of the famous brands that satisfied our services*

## SATISFIED CUSTOMERS

- UniKL
- KFC
- Honda City Elite Club
- Sea Games
- MAS
- AKPK
- CitiBank
- Standard Chartered (Singapore)
- UGL
- Brainy KinderGarden
- Golden Land Expo
- American Express
- Bank of China (M)
- Hong Leong Bank
- Charis Christian Centre
- Petron
- My World Rewards
- Uber
- Gather Property
- Tastod Construction
- National Cancer Society of Malaysia
- IPPF
- Makna
- VIVO
- Thunder Match
- Shabu Shabu
- Inoshima
- Khazanah Nasional Berhad
- Purple League
- Federal Paint
- LHDN (Cheras Branch)
- Car Some
- TP Link
- New Castle University
- Huter Mfg
- Nirwana
- Assunta hospital
- The One Academy

# SATISFIED CUSTOMERS







The background features a network of interconnected nodes and lines. The left side is a solid red field with a dense network of white and light blue nodes and lines. A diagonal white line separates this from the right side, which is a plain white field with a sparser network of light blue nodes and lines.

**Insuntec**

**CORPORATE MANUAL**