What is ORGANIC COTTON ?

Cotton which is grown using methods & materials that have LOW IMPACTS on the environment – NO INSECTICIDE or PESTICIDE and CHEMICAL FERTILIZERS

Pass a set of strict organic standards



Steps to become a Certified Organic Cotton Grower ?

Land preparation - 3 years not using toxic chemicals, insecticide and pesticide Apply for certification by accredited parties: USDA certified parties, Eecocrt, Bio- Inspector, Control Union, Soil Association...

Not using chemical fertilizer to feed the plant

Conventional Cotton Vs Organic Cotton

3)

Conventional Cotton

Most pesticide-intensive crop on earth (about 25% of world's insecticides are used in cotton plantation) Intensive use of toxic pesticides and chemicals causes serious health and environmental impacts (cyanazine, sodium chlorate)

Annual global cotton output~ 25 million metric tons

3) Yield about 370 Kg/ acre

Organic Cotton

Organic agriculture prohibits the use of toxic and persistent pesticides and fertilizers.

 Less than 1% global cotton production (about 31,000 metric tons in 2005/06 reported by Organic Exchange)

Yield per acre about 148 Kg/ acre (40% of conventional cotton)

Organic Cotton Supply

Major producing countries in 2004/05 :
Turkey 41% of total Organic production
India 25%

- USA 8%
 China 7%
 Tanzania 5%
- India is expected to emerge as the world's number one producer of Organic Cotton in 2007/08

Average Organic Cotton fiber specifications offering in market:

Grade about MIDDLING
Staple Length 1-3/32" ~ 1-1/2"
Micronaire 3.5 ~ 4.5
Strength 32 ~ 45 Grams per Tex
Yarn count range Ne 10s ~ Ne 80s
Suitable for woven/ knitted fabrics and Home Textile

Criteria for Organic Fabric Supplier

Cotton fiber used in product was purchased from a certified organic cotton grower The fiber was handled, processed and labeled according to the OE 100 Standard (This is a voluntary Standard) **Grower and the finished** yarn/ fabric manufacturer must be certified

PT Tyfountex Indonesia is Organic Exchange (OE) 100 & Global Organic Textile Standard (GOTS) certified

Yarn
Denim/ color fabric
Home textile
Garment

OE 100 Vs GOTS

<u>OE 100</u>

 Can blend any percentage of organic cotton with regular cotton/ other raw materials.

GOTS

- Minimum percentage of organic cotton is 70%.
- Not allowed to blend the remaining percentage with conventional cotton but with other raw materials
- Chemicals used for process production have to meet GOTS requirements.

Processing Requirements for GOTS

- Separation and identification at all stages of processing
- Prohibited/ restricted inputs of specified chemicals in all production stages
- Follow basic requirements for auxiliary agents and dyestuffs in all processing stages
 - An established Environmental Management policy
 - Waste water monitoring sediment, temperature, Ph, BOD and COD contents < 25 g/Kg, Copper content < 0.5g/L Storage, packing and transport must separate from conventional products to prevent contamination

To Go Through the "GREEN CHANNEL", TYFOUNTEX Has Followed the Path

Purchase certified Organic Cotton and Receiving : Check the integrity of OC bales; authenticate

organic document and certificates; store in designed area and segregated from conventional cotton bales



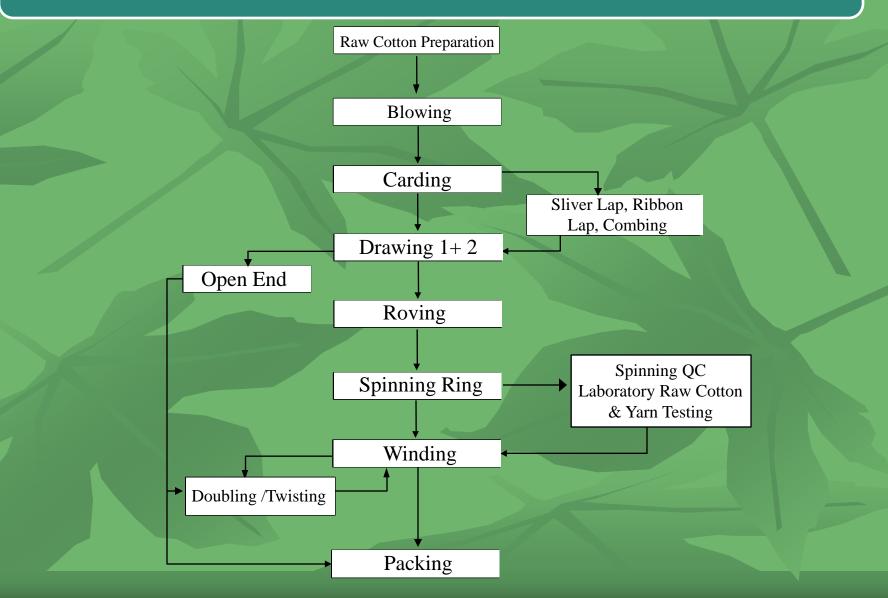
Production :

Spinning

- -- Processing in accordance with system plan
- -- All organic raw cotton are labeled "ORGANIC " in green color
- -- Segregation of organic and conventional raw cotton
- -- No Additives of non organic nature in spinning process



Flowchart Spinning Production



To Go Through the "GREEN CHANNEL", TYFOUNTEX Has Followed the Path (Cont.)

Weaving

 Use only allowed sizing agents (Starch, modified corn starch, & < 25% PVA)
 Segregation of organic and regular production lines





Flowchart Weaving Production



To Go Through the "GREEN CHANNEL", TYFOUNTEX Has Followed the Path (Cont.)

Dyeing & Finishing
Only the approved chemicals, dyestuffs, and auxiliaries from GOTS can be used for production.



Flowchart Dyeing Production



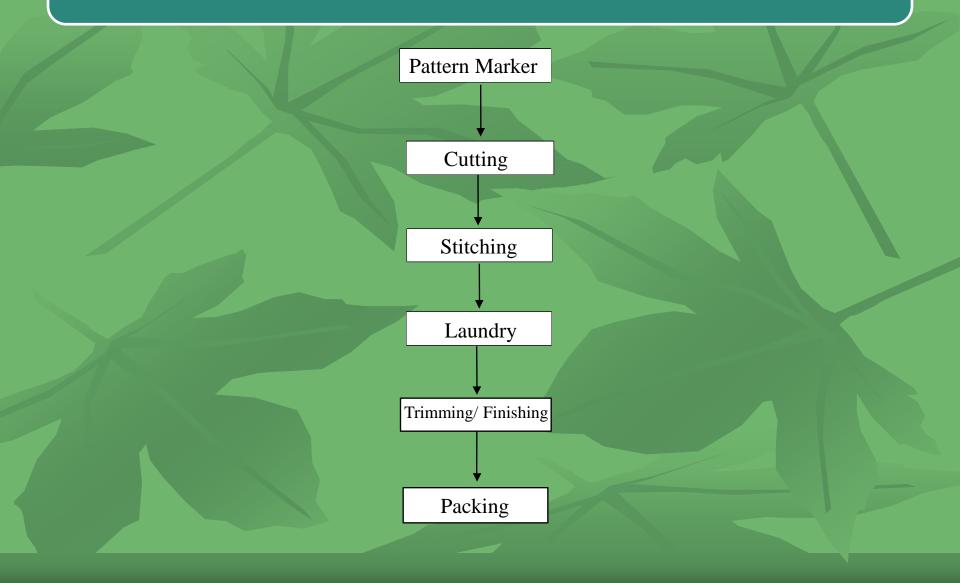
To Go Through the "GREEN CHANNEL", TYFOUNTEX Has Followed the Path (Cont.)

Garment -- OEKO-Tex approved accessories -- Segregation of organic and regular production lines -- Use only GOTS approved chemicals in laundry

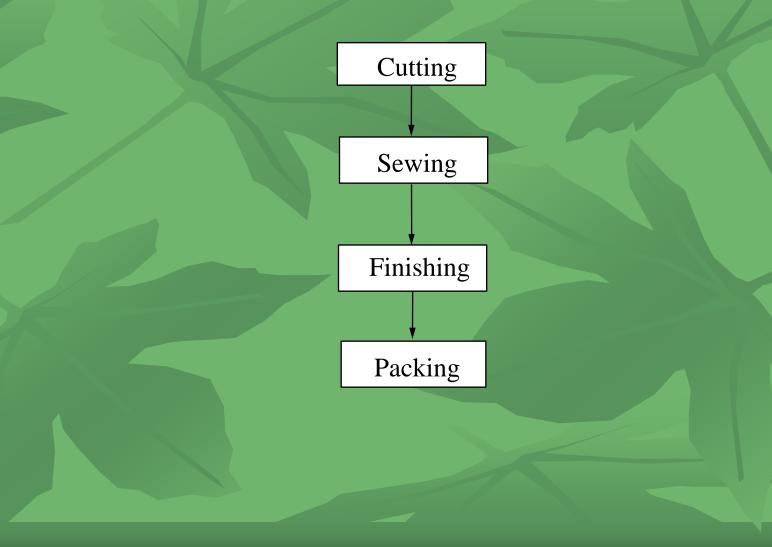




Flowchart Garment Production



Flowchart Homelinen Production



Storing Products

To ensure identification of lots and avoid mixing with or contaminated by other products



Record Keeping and Internal Quality Assurance :



Must be supported by effective documented control system, end records to provide audit

Technical Quality Parameters final product labeled should comply with the technical quality parameters required

OE and GOTS Certificates

CERTIFICATE

CERTIFICATE Nº: C886867OE-82.2007

Field of attention Textile Organic Exchange 100 Guidelines

> PT Tyfountex Indonesia Solo, INDONESIA Project in: INDONESIA

Standard OE 100 Standard of The Organic Eachange

Valid until: 28 April 2008

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Date of certification 28 December 2006 Place and date of lasce: Jakarts, 21 February 2007



Control Union Certifications P.O. Box 101 8000 AD Zwolle The Netherlands http://www.controlunion.com wiL: +21(0)28-4260100

CERTIFICATE

CERTIFICATE Nº: CRORNETGOTS-02.2007

Textile GOTS

PT Tyfountex Indonesia Solo, INDONESIA Project in: INDONESIA

Stendard "Otobel Organic Textile Blandard - 0078" tendards for the proceeding of More from certified process agriculture.

Valid until: 27 June 2008

Control Union: Certifications shotness to fave impected the unitsu, and/or products) of the above mentioned client, and have found them in accommon with the standards mentioned above. This certificate overs this unitsu, and/or products) is an metihicated in the advected above. This certificate is in Sunte units, and/or products) is an excitation of in the advected above. This certificate is in Sunte units factors rolling, provided that the above-mentioned client certificates torrelifying as all finers in the client contract with Certifications. These out the annual inspections that Control Unions Certifications performs, this certificate is updated and these on the annual inspections that Control Unions Certifications performs.

Date of certification 9 May 2007 Place and date of labor. Jacante, 11 May 2007

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Control Union Certifications P.O. Box 101 8000 AD Zacelle The Meterlands Mp Invest controlution.com Mp Invest controlution.com MC +31(D)38-4260100

CONTROL UNION CERTIFICATIONS

GOTS Labeling





Global Organic Textile Standard Organic Cotton Yarn

Member of Control Union World Group





Global Organic Textile Standard Yarn made with **90**% Organic Cotton

Member of Control Union World Group

OE 100 Labeling

PT TYFOUNTEX INDONESIA Tel: +62-271-716888 Email: tyfslo@tyfountex.com

This product contained **100%** Organic Cotton was Certified by Control Union. CU 806967

Member of Control Union World Group



Tel: +62-271-716888 Email: tyfslo@tyfountex.com

This product contained **5%** Organic Cotton was Certified by Control Union. CU 806967

Member of Control Union World Group

OEKOTEX Certificates

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OP-DEST ASSAULT

The company

PT Tyfountex Indonesia

Surgerig Parsaula Solution ID - \$7192 Solo, INDONESIA

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Tested for harmful substances according to Oeko-Tex Standard 100 Test-No HKS 18531 **TESTEX Zurich**

for the following articles:

Fabrics and denim fabrics made of 100% cotton, cotton/polyester, cotton/polyester/Lycrs[®] and cotton/Lycra®, dyed and finished (wash-out articles)

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This authorization in valid until 18.11.2007

Durish 27.11.2006

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PT Tyfountex Indonesia

Gungarig, Karlasun Businaria P.O. Box 212

ID - 57102 Solo, INDONESIA

is granted autoritation associating to Owlo-Tex Standard 100 to use the Owlo-Tex mark, taxant on text report JNSC 011288.1



according to Oeko-Tex Standard 100 Test-No HKGO 041207 TESTEX Zurich

for the following erities:

Germents made of 100% cutton, cotton/polyester. cotton/polyesterf, yors" and cotton/Lycra[®] fabrics and danim fabrice (wesh-out articles).

including accessories (woven and printed labels, sewing & embruidery throad, interlining, featener, plastic & metal

accessories)

(based on material pre-cartified according to Oako-Tex Standard 1001

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This authorization is valid until 31.13.2007

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Dr. Jaan Plants Hang

ISO 14001:2004 Certificate

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Soil Association Certificate



ERTIFICATE OF REGISTRATION =

This is to certify that

PT Tyfountex Indonesia

Gumpang Kartasuru Sakoharjo Solo Central Jasos 37102 Indonesia

Lionoe na: DS19045

has been inspected and variables the requirements of the Soll Association organic standards and regulation (EEC) no 2092/92.

This certificate is only sulid for marketing organic products when accompanied by a current trading wholule.

Issue date: 2 October 2007 Expiry date: 30 November 2008

Dan Jelen

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David Pouce, Managing Director

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Garment Organic Cotton Label





Waste Water Treatment Plant (Before Treatment)



Waste Water Treatment Plant (Processing)



Waste Water Treatment Plant (After Treatment)



Boiler Air Quality



Boiler Laboratory





