

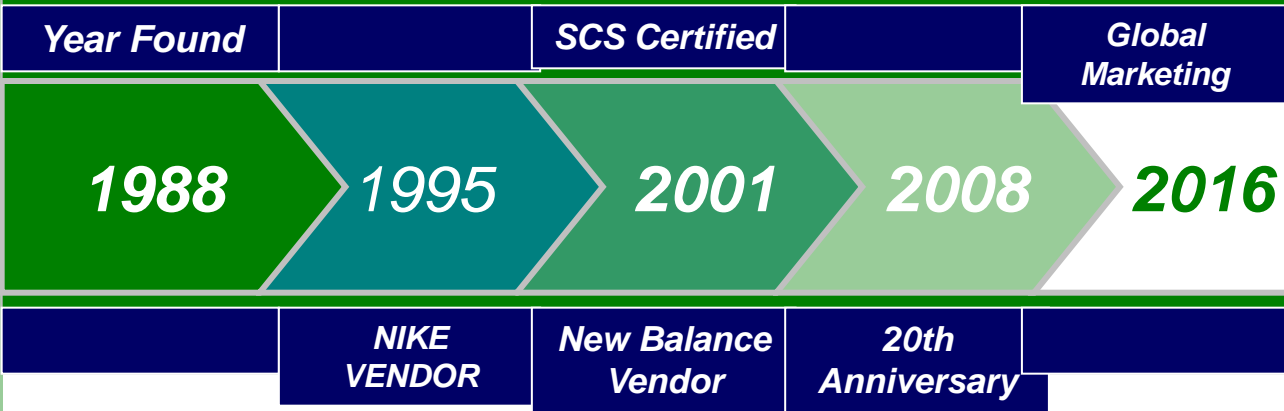


***SWOJIN ENTERPRISE CO.,LTD.***

***Love Earth; Love Us***



# History



# General Information

## Location

\* Taiwan: No.292, Sec2, Yongping Rd., Taiping Dist Taichung Taiwan.

\* China: 19K-1, 07<sup>th</sup> Province Road, Pinghu Economic Development Zone, Pinghu City, Zhejiang, China.

Road 12-1 Dongzhou Industrial Zone Fuyang City, Zhejiang, China.

\* USA: 1820 Industrial Dr Stockton CA, 95206

## Capacity

Taiwan: 83,000 Y/Day; 2,350,000 Y/Month (RPET Fabric)  
China: 75 Ton/Day; 2,250 Ton/Month (RPET Staple Fiber)  
USA: 50 Ton/Day; 1,000 Ton/Month (RPET Flake)

## Turnover

Taiwan: USD11,853,000/Year  
China & USA: USD 37,875,600/Year

## Machinery

Taiwan: 80 Woven Machines; 20 Stitch Bond Machines; 60 Knitting Machines (Outside the Plant)  
Dyeing Machine: 16 for bulk and 2 for sample (Outside the Plant)  
Lamination Machine: 2 for bulk and 1 for sample (In-Plant)

China: 2 RPET Flake Washing Lines (In-Plant);  
2 RPET Staple Fiber Manufacturing Lines (In-Plant)

USA: 1 RPET Flake Washing Line (In-Plant)

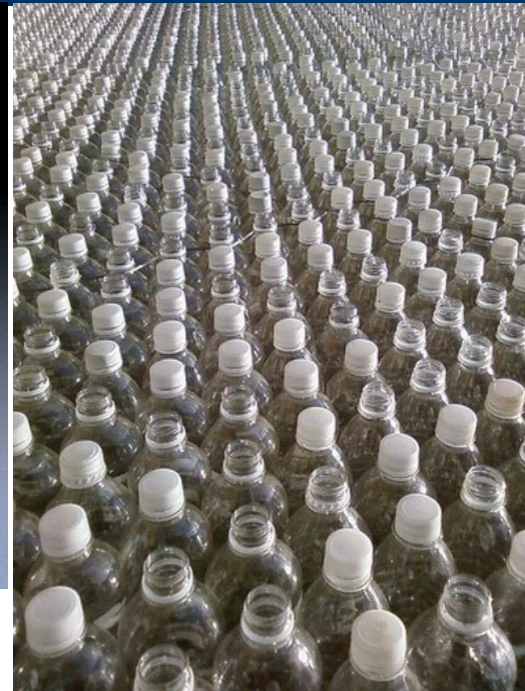


# Green Industry





# What is PET Bottle ? (Polyethylene Terephthalate)





**Global Usage Amount:**

**36.5 Billion post-consumer PET Bottles per Year**



# Why shall we Recycle PET Bottle :

- Reduce the amount of petroleum using:  
More kilogram RPET material used and Less liter petroleum saved.
- Reduce the emission of Carbon Dioxide.
- Energy saved.



# SWOJIN Mechanical Recycled PET Processes



**RPET Bale**



**RPET Flake**



**RPET Chip**



**RPET Filament Yarn**



**RPET Staple Fiber**

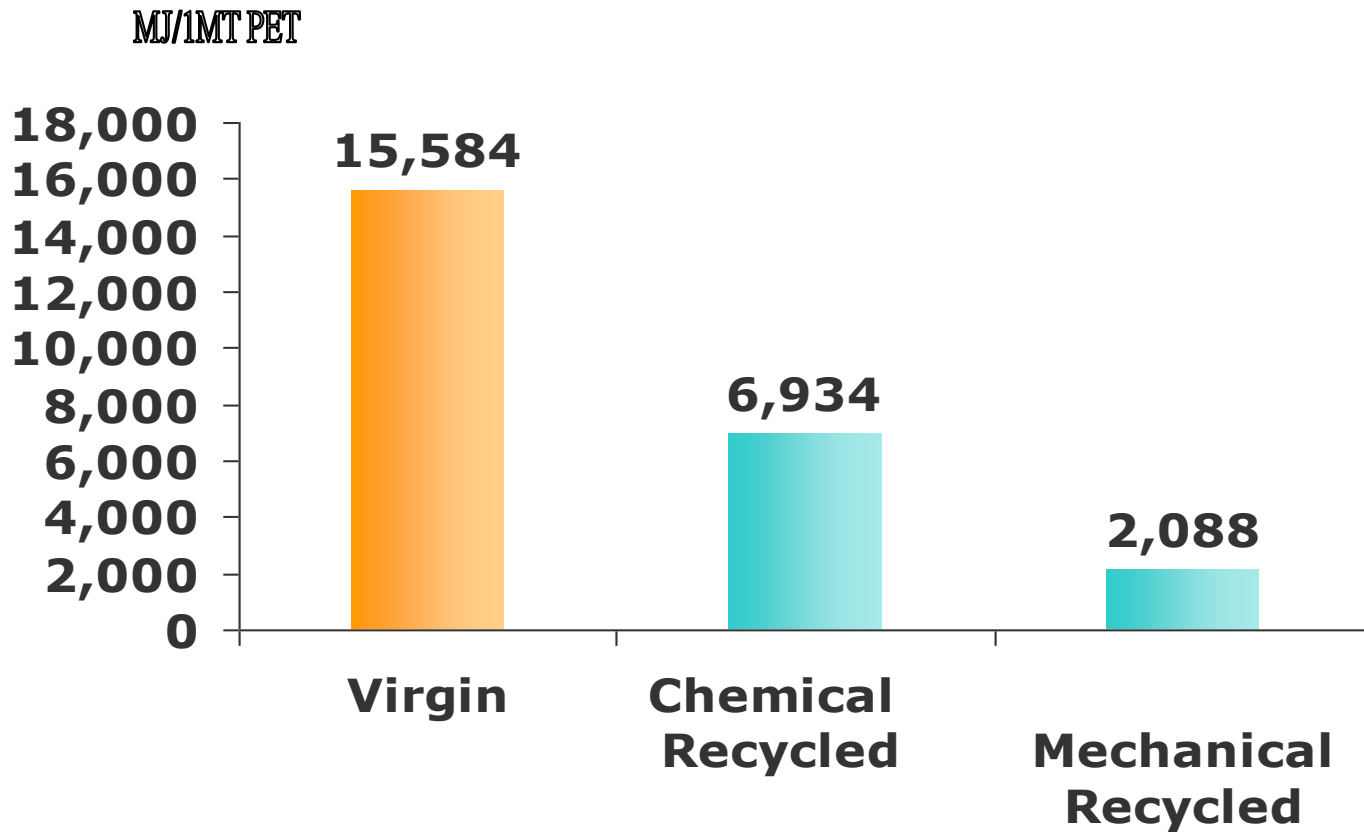


**RPET Spun Yarn**



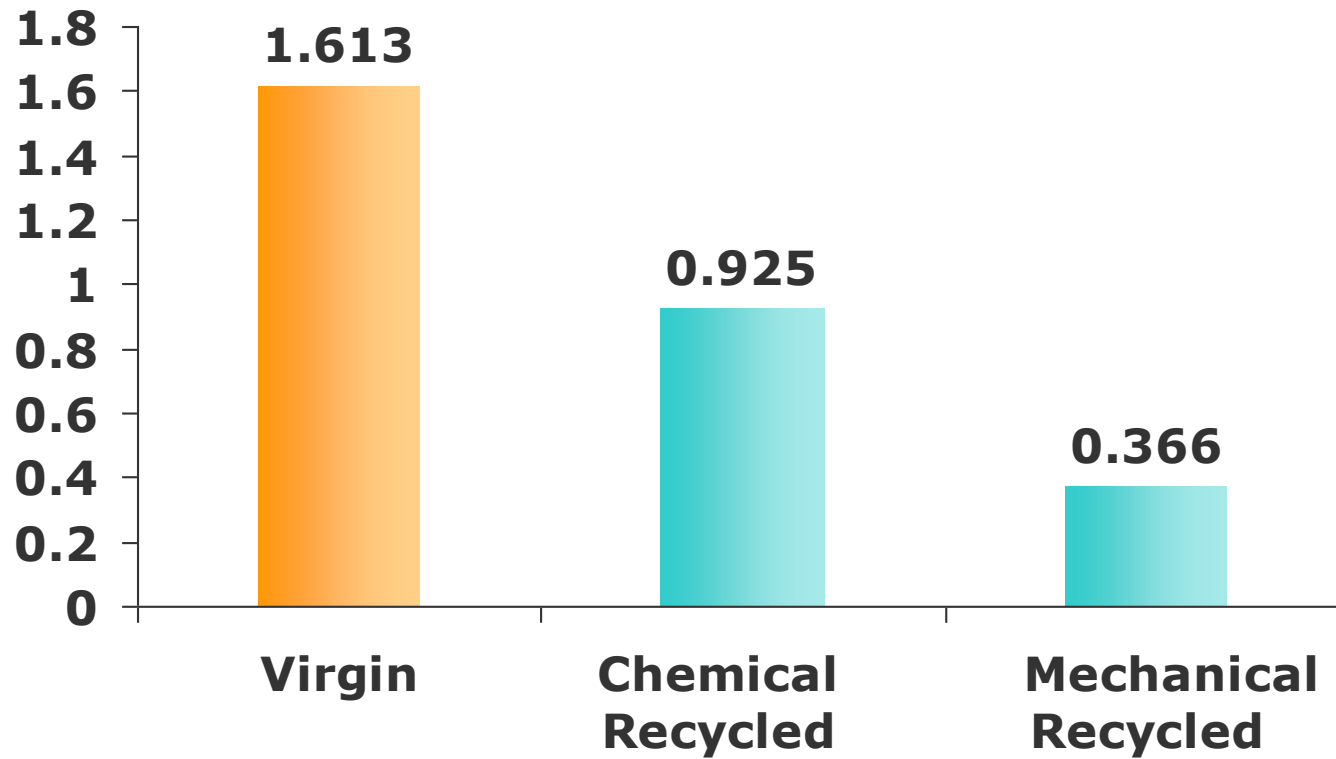


## Energy





MT/1MT PET



# *Eco Friendly Cycle*





# Recycle PET Bottle Business History:

- 1991: Recycled PET Bottle company found ◦
- 1994: Recycled PET Bottle Fiber manufacturing line set up ◦
- 2001: SCS (Scientific Certification System) Certified ◦
- 2004: Recycled PET Bottle washing line Department set up ◦
- 2006: Promotion of Recycled PET Bottle Washing Line Equipment ◦

**Main Market: America:USA,Canada,Mexico,Paraguay,Ecuador,Chile**

**Japan**

**China**

**India**

**Europe:Ukraine,Poland**

**Middle East:Iraq,Saudi Arabia,Azerbaijan,United Arab Emirates**

**Asia/Oceania:Indonesia,Malaysia,Palestine,Uzbekistan**

**Africa:Zimbabwe**

- 2010~ Recycled PET Bottle Yarn & . Textile Global Marketing

# Recycled PET Bottle Flake Washing Line





# Recycled PET Bottle Staple Fiber Line

RPET Flake Main Vendor Country:

China,USA,Japan,Indonesia,Malaysia,Sri Lanka, Republique de Cote d'Ivoire





# Recycled PET Bottle Spun Yarn Producing Line



# Recycled PET Bottle Woven Fabric Producing Line





# Stockton CA.,USA

## Recycled PET Bottle/Flake Washing Line





# Stockton CA.,USA

## Recycled PET Bottle/Flake Washing Line



# Stockton CA.,USA

## Recycled PET Bottle/Flake Washing Line





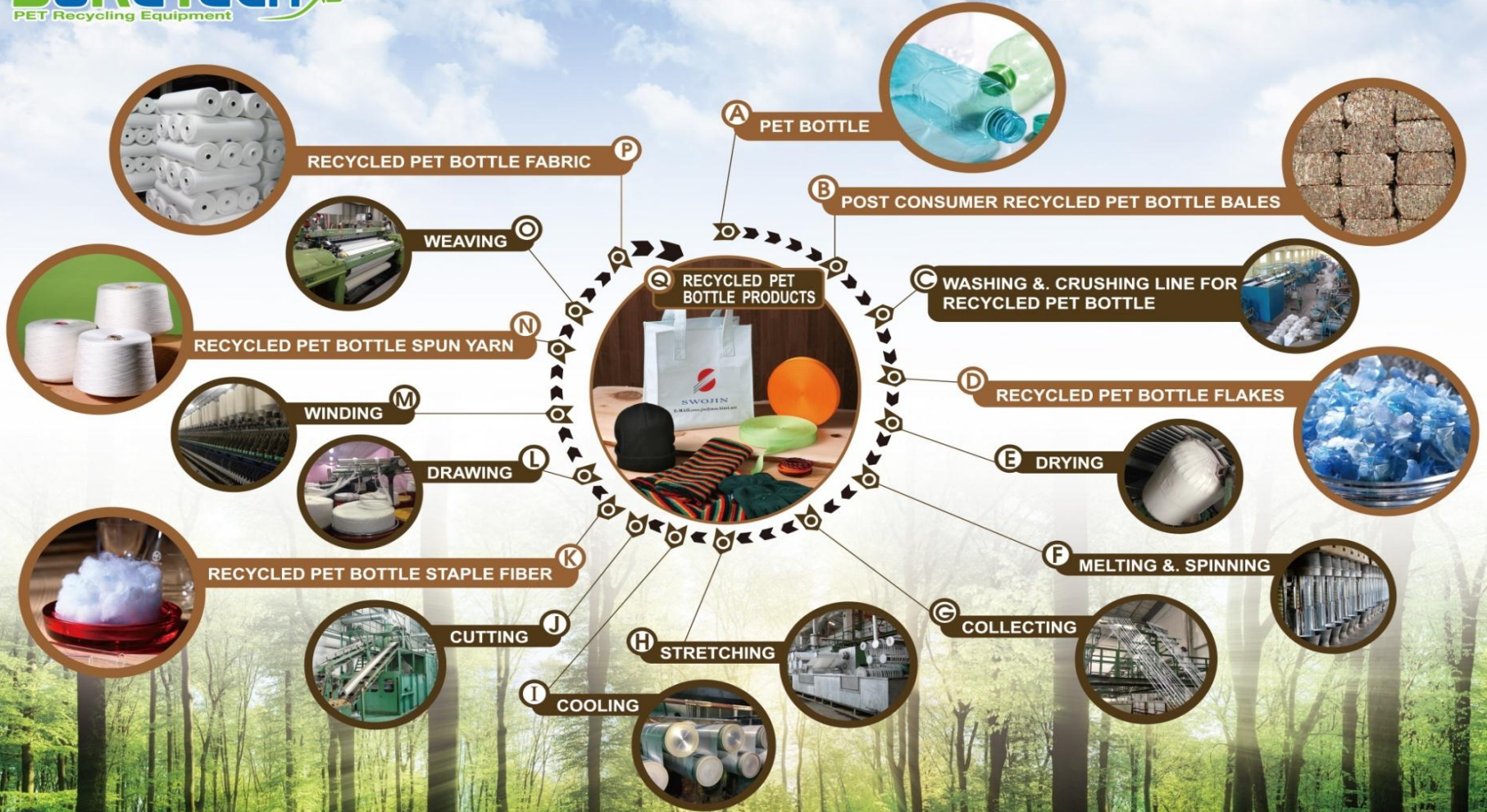
# Stockton CA.,USA

## Recycled PET Bottle/Flake Washing Line






# SWOJIN R-PET Manufacturing and Product Processes Chart





# Mechanical vs. Chemical

	 Mechanical	Chemical
Purity of PET Recycled Flake	Extreme High	High
Consumption of energy	Low	High
Environment Impact	Low	High
Cost	Medium	High
Quality	Good	Good



100% RECYCLED CONTENT  
POST-CONSUMER

# SCS 2015~2016 RPET Chips and Flakes Certificate

*SCS Global Services does hereby certify that an independent assessment has been conducted on behalf of:*

## Swojin Enterprise Co., Ltd

No. 292, Sec. 2, Yunping Rd, Taichung, Taichung, Taiwan

For the following product(s):

**Recycled PET Bottle Chips, Recycled PET Bottle Flakes**

This product meets all of the necessary qualifications to be certified for the following claim:

**100% Post-consumer Recycled PET Content**

**Conforms to the SCS Recycled Content Standard V7-0**

Registration # SCS-MC-02152

Valid from: April 1, 2015 to March 31, 2016



100% RECYCLED CONTENT  
POST-CONSUMER

**SCS**global  
SERVICES

A handwritten signature in black ink that reads 'Robert J. Hrubes'.

Robert J. Hrubes, Ph.D., Executive Vice President  
SCS Global Services  
2000 Powell Street, Ste. 600, Emeryville, CA 94608 USA



# SCS 2015~2016 RPET Spun Yarn and Staple Fiber Certificate

*SCS Global Services does hereby certify that an independent assessment has been conducted on behalf of:*

## **Swojin Enterprise Co., Ltd**

No. 292, Sec. 2, Yunping Rd, Taichung, Taichung, Taiwan

For the following product(s):

**Recycled PET Bottle Spun Yarn, Recycled PET Bottle Staple Fiber**

This product meets all of the necessary qualifications to be certified for the following claim:

**100% Post-consumer Recycled PET Content**

**Conforms to the SCS Recycled Content Standard V7-0**

Registration # SCS-MC-02247

Valid from: April 1, 2015 to March 31, 2016



**SCS**global  
SERVICES

Robert J. Hrubes, Ph.D., Executive Vice President  
SCS Global Services  
2000 Powell Street, Ste. 600, Emeryville, CA 94608 USA





100% RECYCLED CONTENT  
POST-CONSUMER

# SCS 2015~2016 RPET POY Yarn and DTY Yarn Certificate

*SCS Global Services does hereby certify that an independent assessment has been conducted on behalf of:*

## **Swojin Enterprise Co., Ltd**

No. 292, Sec. 2, Yunping Rd, Taichung, Taichung, Taiwan

For the following product(s):

**Full bright Recycled PET Bottle Partially Oriented Yarn (POY), Full Bright Recycled PET Bottle Draw Textured Yarn (DTY)**

This product meets all of the necessary qualifications to be certified for the following claim:

**100% Post-consumer Recycled PET Content**

**Conforms to the SCS Recycled Content Standard V7-0**

Registration # SCS-MC-02248

Valid from: April 1, 2015 to March 31, 2016



100% RECYCLED CONTENT  
POST-CONSUMER

**SCS**global  
SERVICES

Robert J. Hrubes, Ph.D., Executive Vice President  
SCS Global Services  
2000 Powell Street, Ste. 600, Emeryville, CA 94608 USA

# ISO 9001 Quality Management for Recycled PET Bottle Staple Fiber Factory

## *Certificate of Registration*



The Governing Board of  
Q.A. International Certification Limited  
hereby grants to:

**Zhejiang Anshun Chemical Fiber Co., Ltd.**

Registration No.: QAIC / CN / 90010 - A

*(hereinafter called the Registered Company) the right to be listed in the Directory of Registered Companies in respect of the services listed below. These services shall be offered by the Registered Company at or from only the address given below in accordance with the quality management system in compliance with ISO 9001:2000.*

Address to which this Certificate refers :

**12 Road Dongzhou Industrial Zone, Fuyang City, Zhejiang Province, P.R. China**

Approved Scope to which this Certificate refers.

**The Manufacture of Polyester Staple Fiber.**

*(Further clarification regarding the Scope of this Certificate and the applicability of ISO 9001:2000 requirements may be obtained by consulting the organisation)*

Signed for and on behalf of the Board

CHAIRMAN

SCHEME MANAGER

A. J. Duffield

A. Carter

**Certificate Issue Date : 29th April 2009 - Certificate Expiry Date : 28th April 2010**  
**Date of Initial Registration : 29th April 2009 - Re-assessment Date : 28th April 2012**

This Certificate of Registration is granted subject to the Regulations approved by the Board.

### QA INTERNATIONAL

Q.A. International Certification Ltd.  
Cleveland Hall  
Cleveland Street  
Darlington  
Co. Durham  
DL1 2PE

Tel: +44 (0)1325 384272  
Fax: +44(0)1325 480980  
www.qai.co.uk



# ISO 14001 Environment Management for Recycled PET Bottle Staple Fiber Factory

## Certificate of Registration



The Governing Board of  
Q.A. International Certification Limited  
hereby grants to:

**Zhejiang Anshun Chemical Fiber Co., Ltd.**

Registration No. :QAIC / CN / 90011-A

*(hereinafter called the Registered Company) the right to be listed in the Directory of Registered Companies in respect of the services listed below. These services shall be offered by the Registered Company at or from only the address given below in accordance with the environmental management system in compliance with ISO 14001:2004.*

Address to which this Certificate refers :

**12Road Dongzhou industrial Zone,Fuyang City,Zhejiang Province, P.R.China**

Approved Scope to which this Certificate refers.

**The Manufacture of Polyester Staple Fiber**

Signed for and on behalf of the Board

CHAIRMAN

A. J. Duffield

SCHEME MANAGER

A. Carter

Certificate Issue Date : 1st May 2009 - Certificate Expiry Date : 30th April 2010  
Date of Initial Registration : 1st May 2009 - Re-assessment Date : 30th April 2012

This Certificate of Registration is granted subject to the Regulations approved by the Board.

### QA. INTERNATIONAL

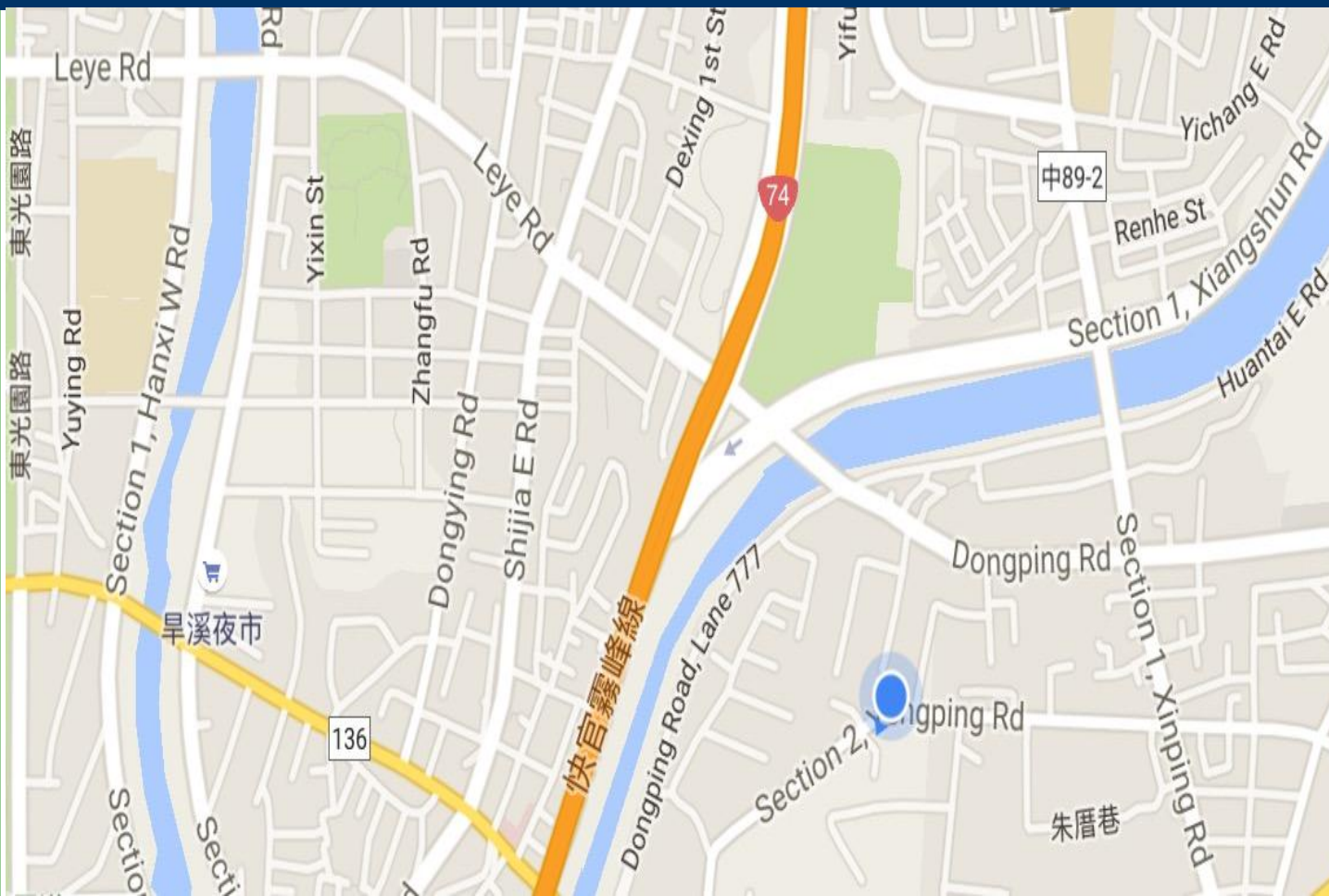
Q.A. International Certification Ltd.  
Cleveland Hall,  
Cleveland Street,  
Darlington,  
Co. Durham,  
DL1 2PE

Tel: 44(0)1325 384272  
Fax: 44(0)1325 480980





# Location of Lamination Producing Line (Taiwan)



## Location of RPET Bottle Washing Line Equipment Base (China)



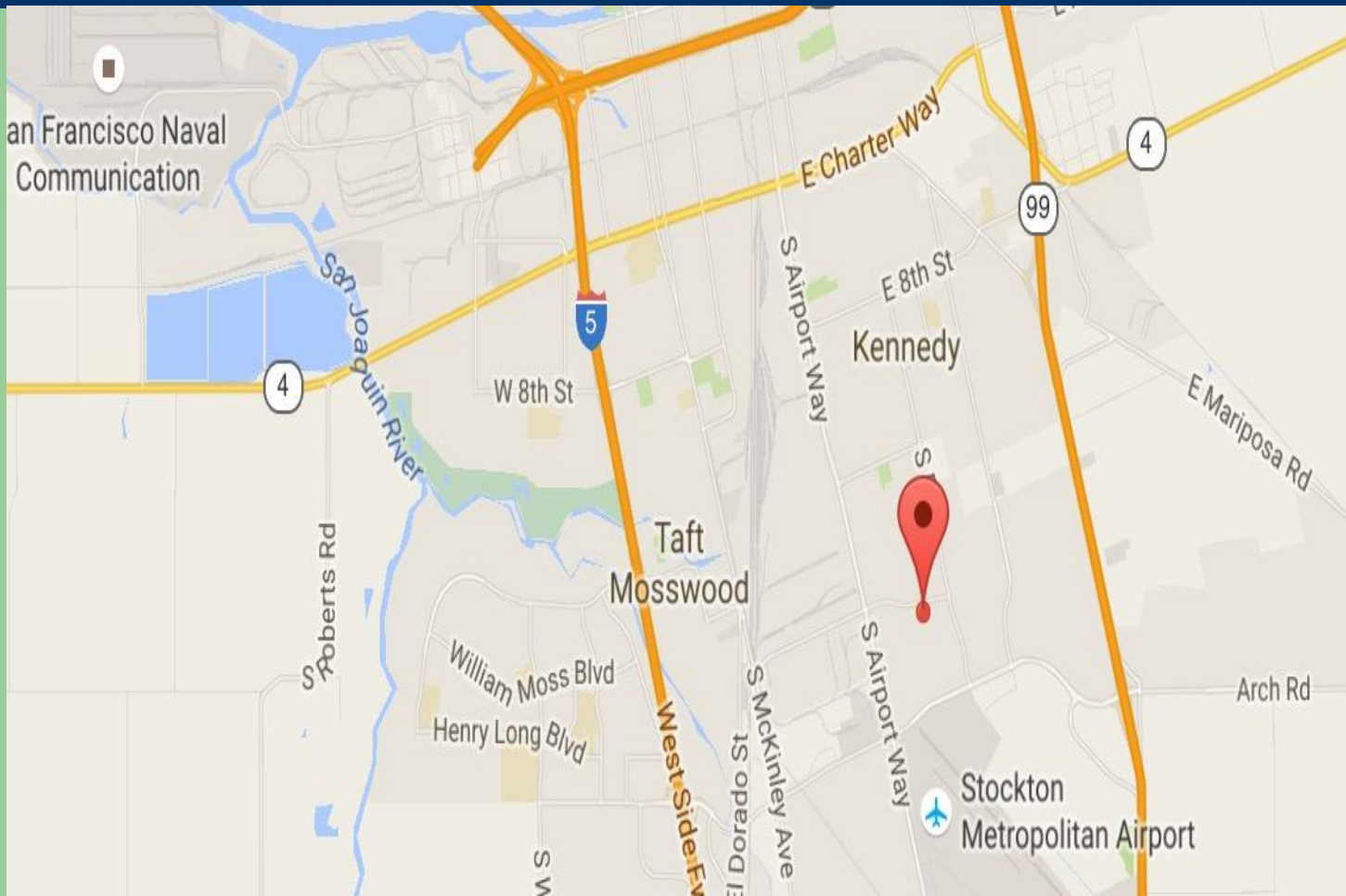


# Location of RPET Staple Fiber Factory (China)



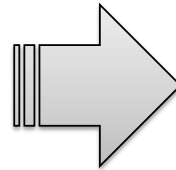


# Location of RPET Bottle/Flake Washing Line(USA)

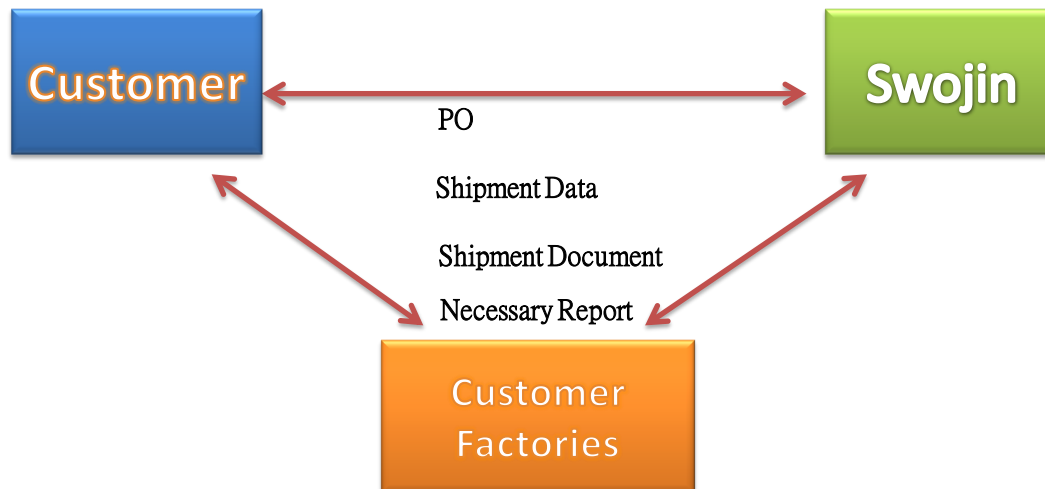


# Efficient Cooperation

Connecting  
System

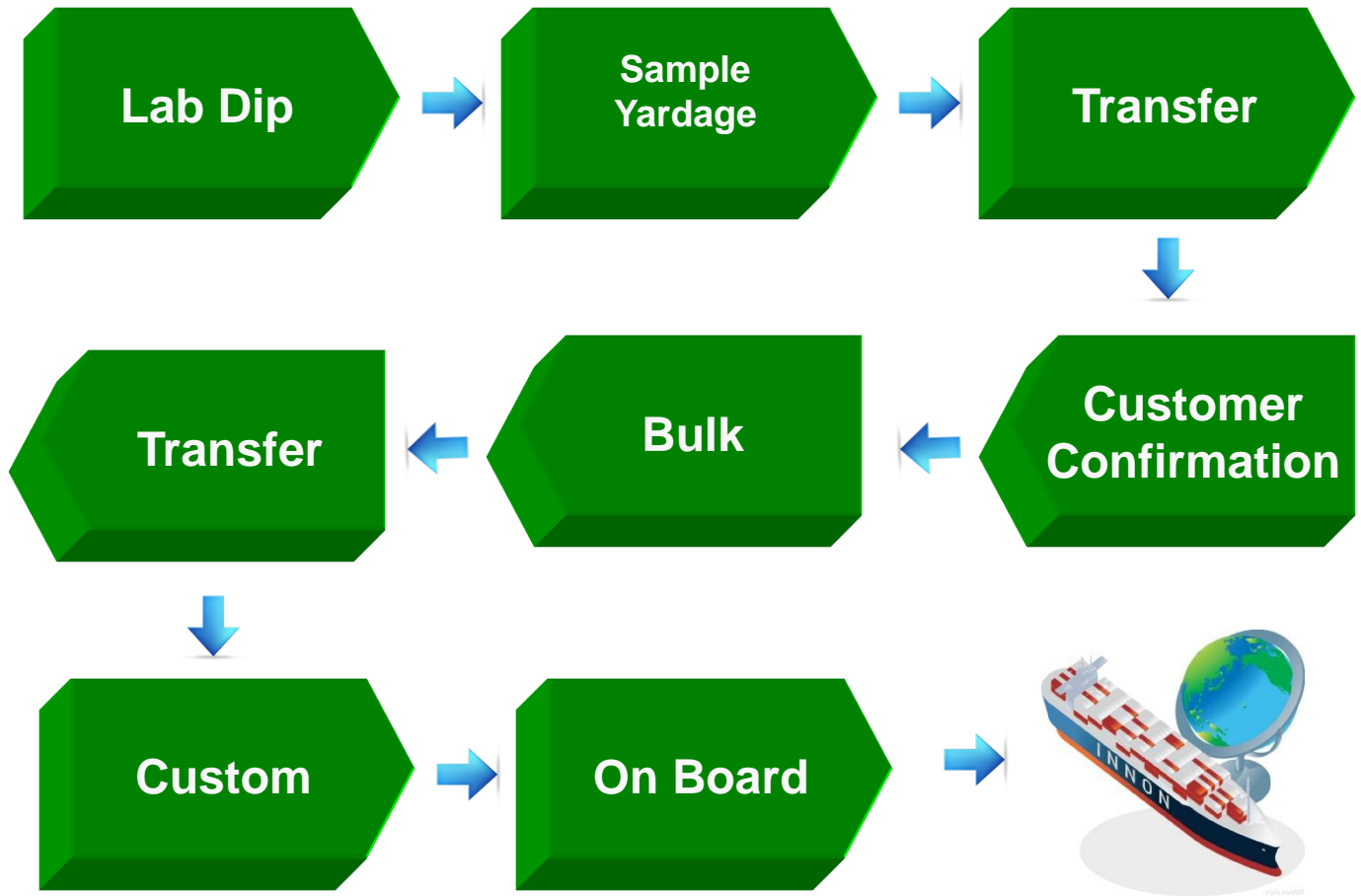


Work Duplication ↓  
Work Accuracy ↑  
Cost ↓  
Performance ↑  
Human Being Errors ↓





# Working Schedule





# Products



# Thanks For Joining Us

