



# CviLux Group Introduction



Sales Department



Date: 2023.01.01



Founded in 1990, CviLux dedicates in manufacturing & selling Connectors, FFC, and Wire Harnesses.

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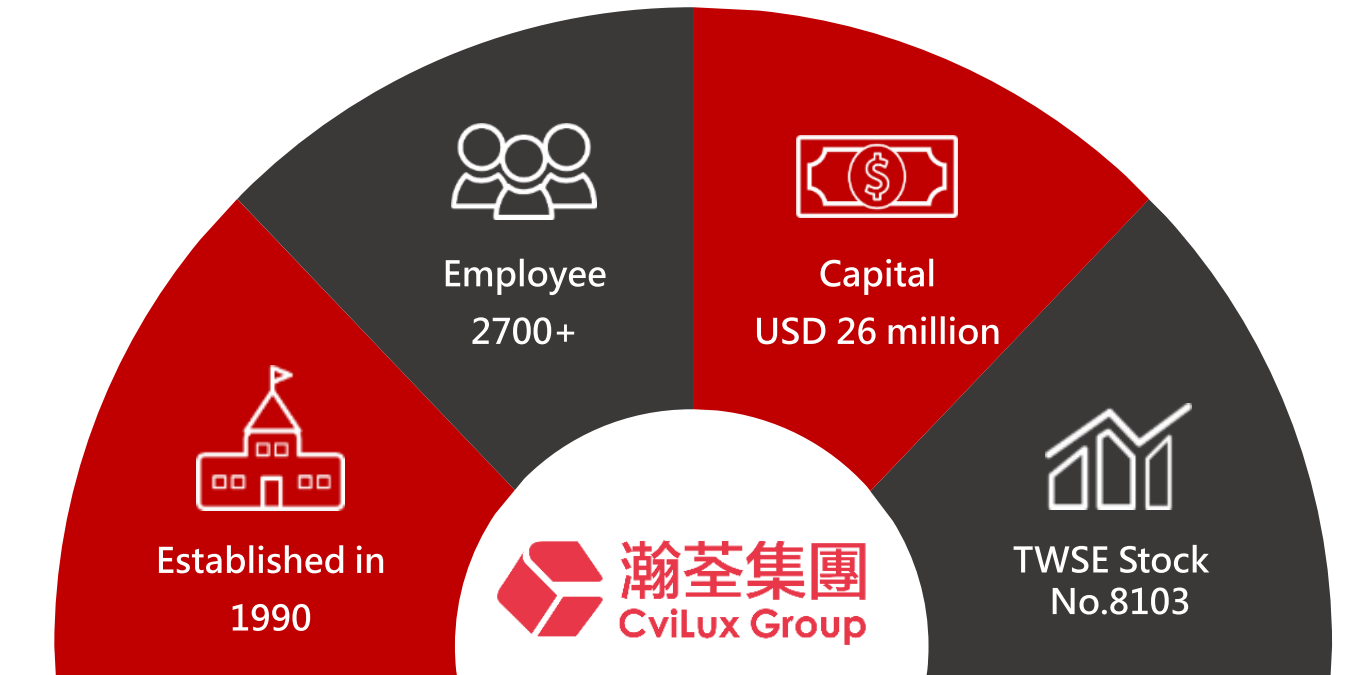
- 01 - CviLux Group Introduction
- 02 - Major Business / Product
- 03- Capacity / Quality / System Introduction

01

# CviLux Group Introduction

# Headquarter, Tamsui, New Taipei City, Taiwan

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# Company History

1990



- Company Established  
Capital: USD 170,000

2000



- Dongguan Plant Established

2002



- Suzhou Plant Established

2003



- Dongguan Plant Established

2009



- Taiwan Public Company  
(Code:8103)

2011



- Chongqing Plant Established
- Qingdao Office Established

2013



- SMT Division Established
- Start Producing Bluetooth Module
- Apple Mfi Certificated

2015



- Anhui Plant Established
- Opro9 Brand Established
- Taiwan Excellence Acquired

2016



- Laos Plant in ASEAN Established
- Type C Production Line Set Up

2017



- CviLux USA Established
- Type C Cable Assembly under Disney Authorization
- Opro9 won Red Dot Design Prize Award

2018



- Korean Office Established
- Xiamen Office Established
- Malaysia Office Established

2021



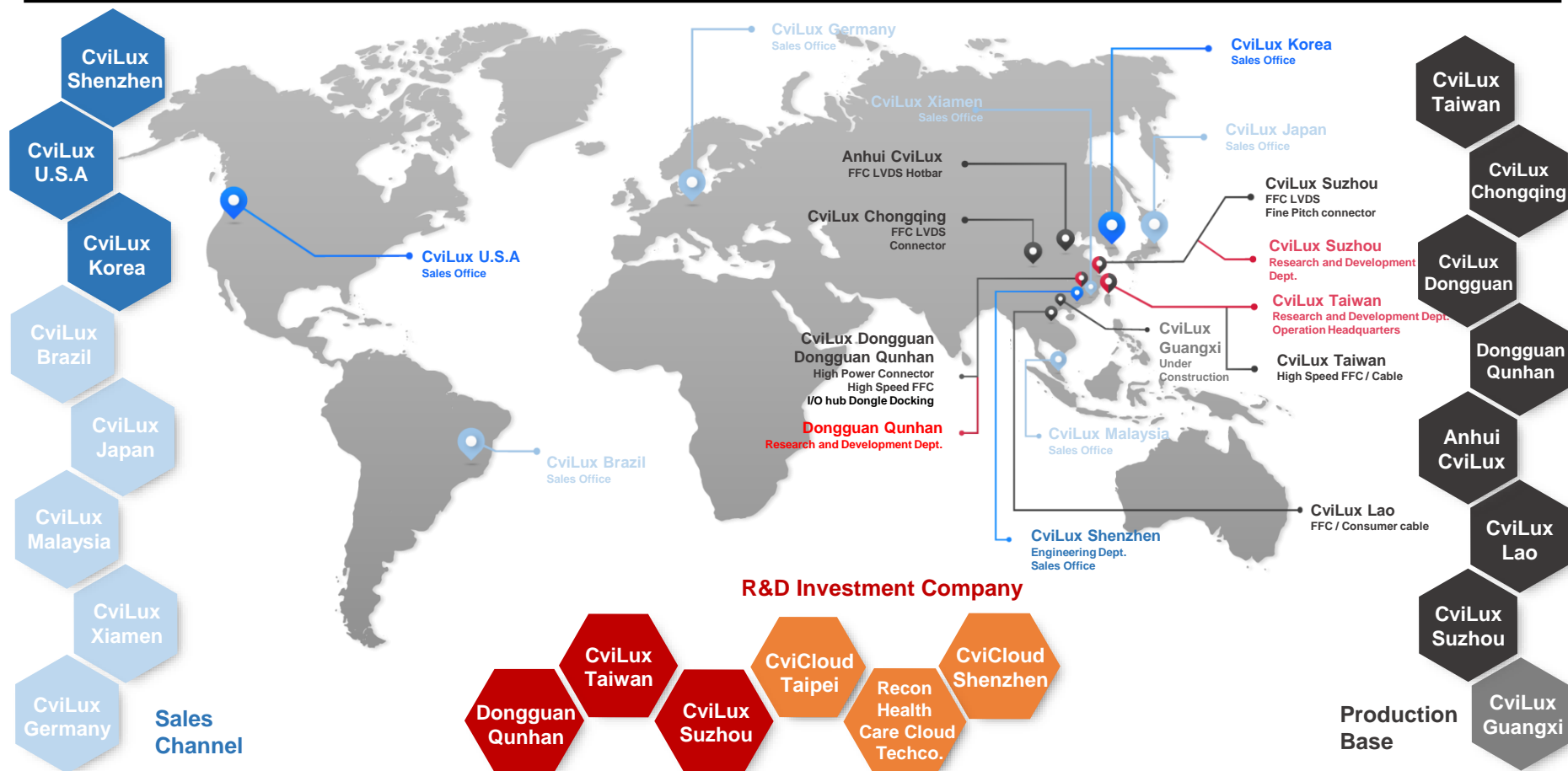
- Japan Office
- Brazil Office
- Intelligent Manufacturing
- Germany Office

2022



- Medical Certification-ISO 13485
- MES Completed
- Taipei High Frequency Center Established

# Global – Production Plant Access



# Major Customers



POWER SOLUTION



PANEL MODULE



TV / MONITOR



AUTOMOBILE



GREEN ENERGY



# Major Customers



LIGHTING

**BRIGHT**  
莹辉照明

**EVERLIGHT**



GE  
Lighting

**OSRAM**



INDUSTRIAL  
MEDICAL

**ABB**

**CHERVON**

*Danfoss*

**HIKVISION**



**NCR**

**Schneider**  
Electric



Schindler

**SIEMENS**



**ZEBRA**  
TECHNOLOGIES



EMS



**Jabil**  
CIRCUIT

**Celestica**

**COMPAL**

**LCFC**

**wistron**  
緯創資通

**FOXCONN**

**PEGATRON**

**FUNAI**

**FLEXTRONICS**

英業達  
**Inventec**



Brand



**acer**  
宏碁



**ASUS**



**BOSCH**

**EPSON**  
EXCEED YOUR VISION

**Lenovo**

**SAMSUNG**

**SONY**

**Panasonic**

**PHILIPS**



Home  
Appliance



**Vitamix**

**Electrolux**

**Saeco**

**Miele**



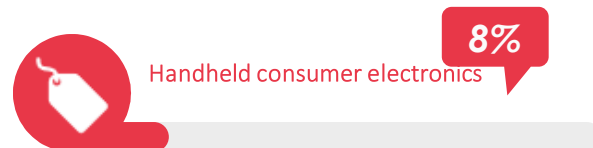
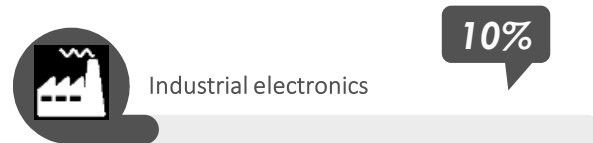
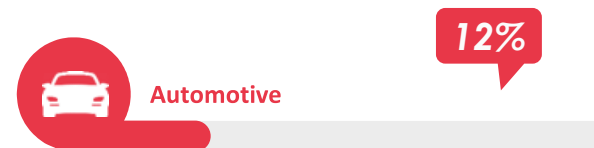
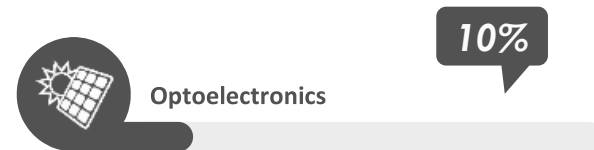
**usmile**

**GREE** 格力



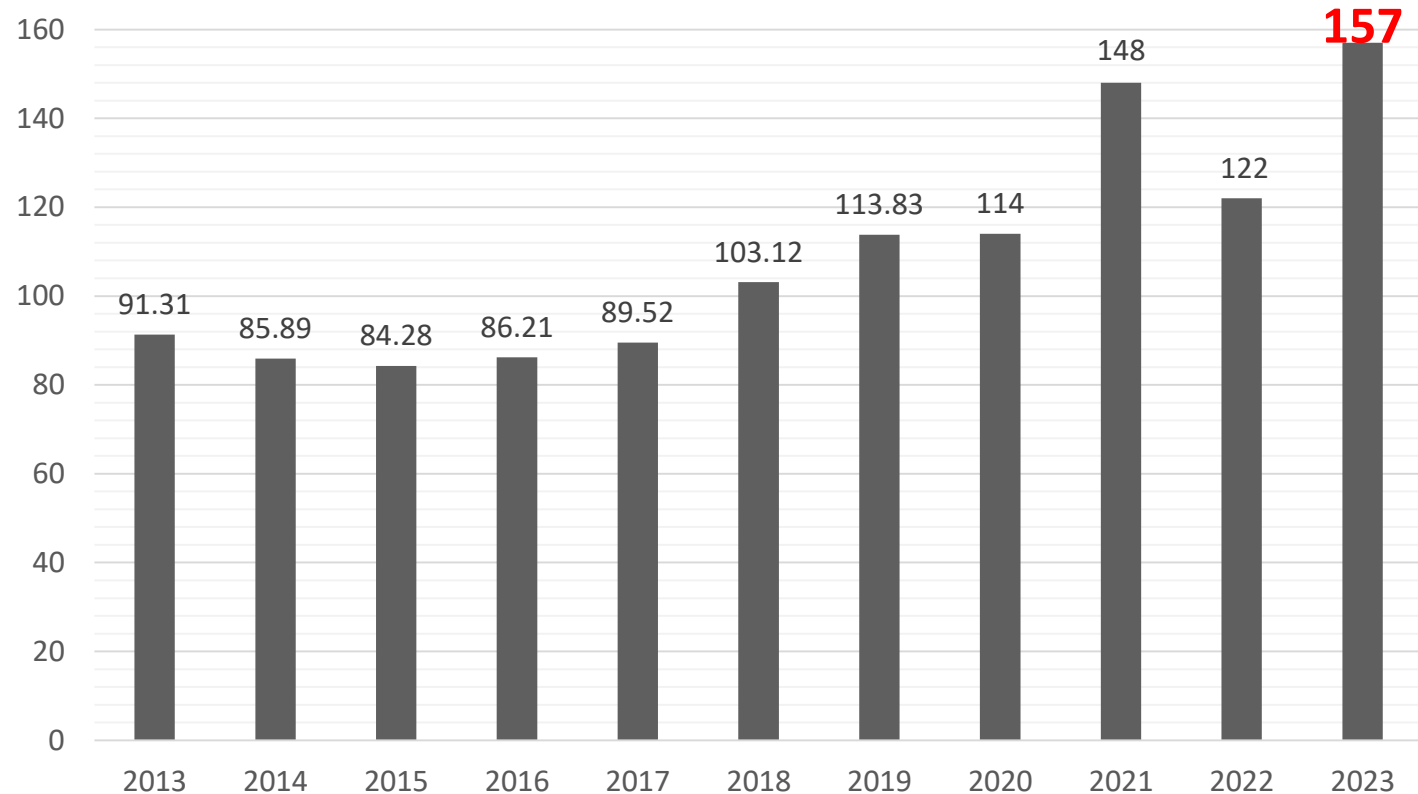
# Proportion of Product Application Scope to Revenue

Revenue share unit : %



# Revenue and Target of Component

Unit : USD Million



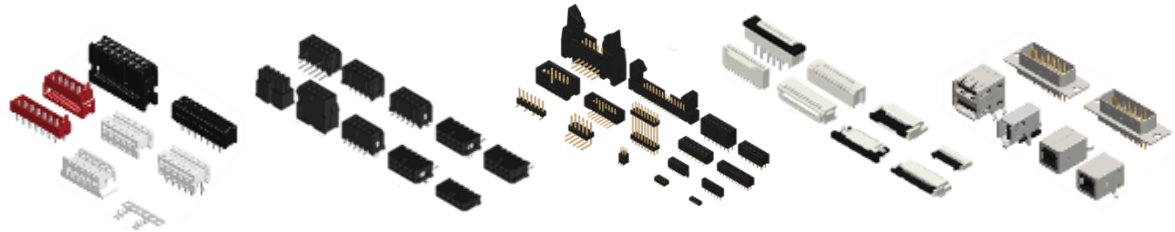
02

## **Major Business / Product**

# Three Major Business

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**CviLux**  
Connectors



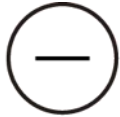
**CviLux**  
Cable & Harness



**CviLux**  
Accessories



# What We Can Do



Thin



Lock



Automatic  
Assembly



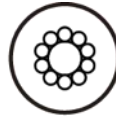
ZIF  
One-Touch



Back Flip



High frequency  
Transmission



Coaxial



Power Delivery



Solder Cup



Customized



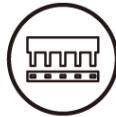
EMI



High Strength  
Structural



High Current



Secure Mating



Easy Pull Out



Insert Molding



Module



EMI



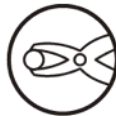
Halogen  
Free



DIP



IDC



High Holding  
Force



Ground Hook



TID



Precision

# Connectors

## CviLux

Connectors



IDC



Thin



Lock



ZIF  
One-Touch



Automatic  
Assembly



Halogen  
Free



EMI



High frequency  
Transmission



High Current



# Cable & Wire Harness

## CviLux

Cable & Harness



Secure Mating



Customized



High Current



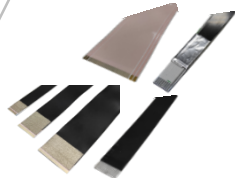
High Strength  
Structural



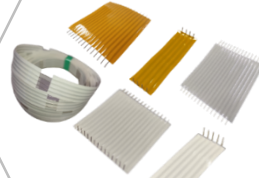
Halogen  
Free



Insert Molding



High Speed FFC



FRC(Jumper)



Direct Attach  
Cable



Type C / HDMI



FFC LVDS



IDC Cable



Fakra Cable



Waterproof  
Cable



Harness

# Docking / HUB / Dongle / Wireless

**CviLux**  
Accessories

**Opron**  
Accessories



Module   High frequency   Precision  
Transmission



TID



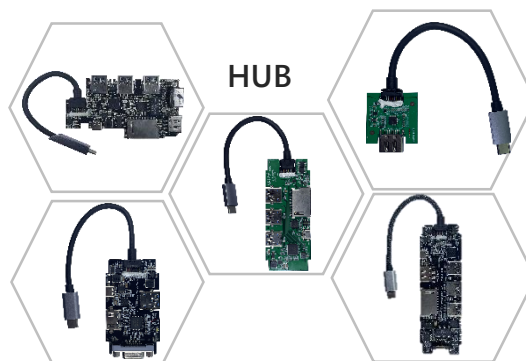
Power Delivery



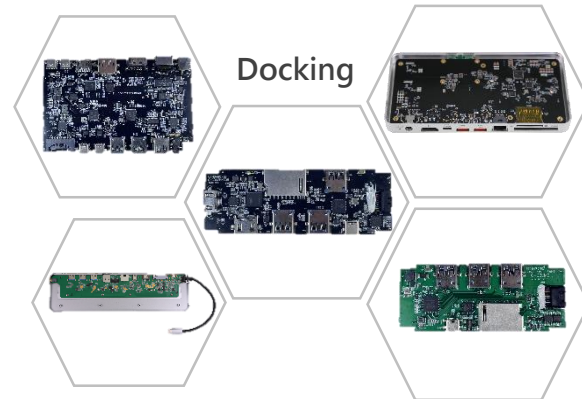
EMI



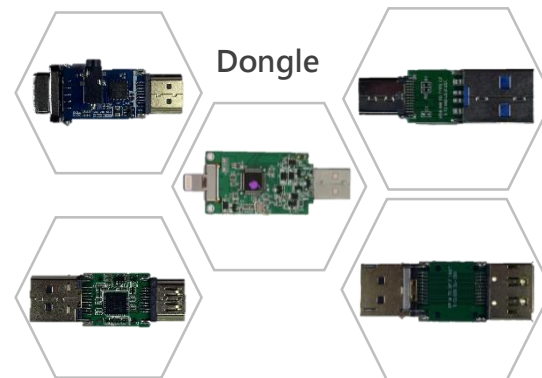
Secure Mating



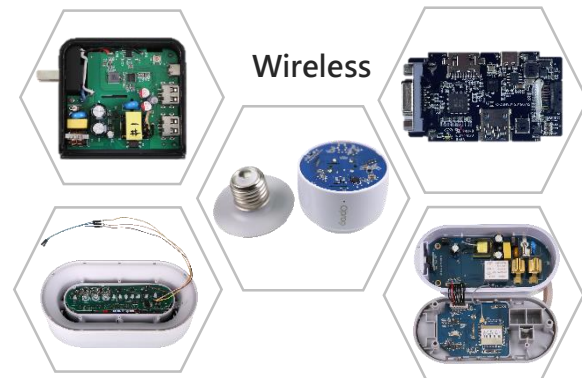
HUB



Docking



Dongle



Wireless



03

## **Capacity / Quality / System Introduction**

# Manufacturing Capacity – Injection Molding



# 125+

Mainly Sumitomo  
Toyo Japan Injection  
Machines

Injection Machine 125 sets



# Manufacturing Capacity – Stamping

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**100+**

Stamping Machine 100 sets

25 Ton – 60 Ton

# Manufacturing Capacity – Fully Automatic Production of Injection Molding



## Molding

Automatic universal feeding mechanism

Automatic feeding and baking system

Automatic universal pulling mechanism

Automatic pulling operation system

Mould Internal Monitoring System

Precision plastic mold



# Manufacturing Capacity – Automatic Assembly Machine



**450+**

**All Japan Visco Lens  
Inspection**

**Automatic Assembly machine  
Fine pitch Automatic Assembly  
machine**





# FFC Production Capacity



## **200+** Cleanroom-Grade FFC Assembly Line

Laminating Machine  
Splitter  
Cutting Machine  
Edge punching machine  
Edge Cutting Machine  
Protective film attachment equipment  
Automatic bending machine

Automatic laminating machine



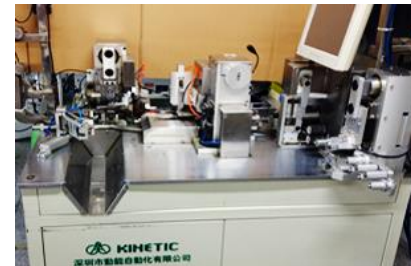
# Accessories & Cable Production Capacity



# 100+

Class 10000 Clean Room Assembly Line  
(Automotive and Medical Grade)

Cutting machine  
Spinning machine  
Peeling machine  
Stripping machine  
Semi-automatic terminal machine  
4 in 1 automatic terminal machine  
Automatic wire riveting press  
Automatic dip terminal machine  
Automatic line slitting riveting press  
Automatic riveting press



# Quality Inspection Equipment

## Environmental Simulation



Constant Temperature and Moisture Chamber



SMT IR Reflow



Salt Spray Tester



Reciprocating Friction Tester



Vibrating Test

## Electrical Characteristics

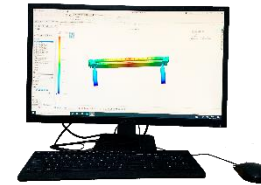


Withstand Voltage Tester

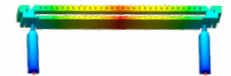


Milli-Ohm Meter

## Moldflow



Mold Flow Analysis



## High Frequency Testing



High Frequency Test Machine



TDR



# Quality Inspection Equipment

## Mechanical Properties



Auto Inserting Pulling  
Force Tester



FFC Reciprocating  
Test Machine

## Water Proof Test Machine



IP Rating Test  
Machine



Water Proof  
Test Machine

## Inspection



Measurement  
Microscope



Automatic Optic  
Inspection



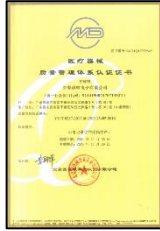
Desk-Top X-ray  
Fluorescent  
Analyzer (XRF)



Fluorescent X-ray  
Thickness Analyzer

# Quality Certification

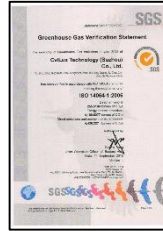
## System Certification



ISO 13485



ISO 9001



ISO 14064



QC 080000



ISO 14001



IATF 16949



ISO 45001

## Green Product



## Customer Certification

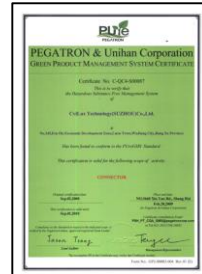


Made for  
iPhone | iPad | iPod



Disney License

## Green Certification



## Product Certification



# Visual management



# ESG Management & Vision

2003

- Earned SONY's Green Partner certification

2005

- Obtained ISO 14001 Environmental Management Systems

2005

- Earned Canon's Green Partner certification

2007

- SONY verified our Suzhou Factory as their Green Partner

2008

- Earned Pegatron's Green Partner certification

2008

- Promote non-halogenated products, reduce the use of halogen barriers in response to green product design

2010

- Carrying out ISO 14067's Carbon Footprint Verification

2011

- Reached QC 080000 Hazardous Substance Process Management System Requirements

2012

- Verified by ISO 14064 Greenhouse gases inventory

2012

- CviLux Chongqing(CQC) reached ISO 14001 and QC 080000 requirements

2013

- Suzhou Factory verified by ISO 14064 Greenhouse gases inventory

2020

- Earned Swisscom's Sustainable development Program (SDP) Award-Grade Silver

2021

- Self-composed ESG Report accomplished, complete Greenhouse gases inventory

2022

- CviLux Lao reached QC 080000 Hazardous Substance Process Management System Requirements



**Sustainability Policy**



**Labor Policy**



**Environmental Safety and Health Policy**



**Integrity Management and Ethics**

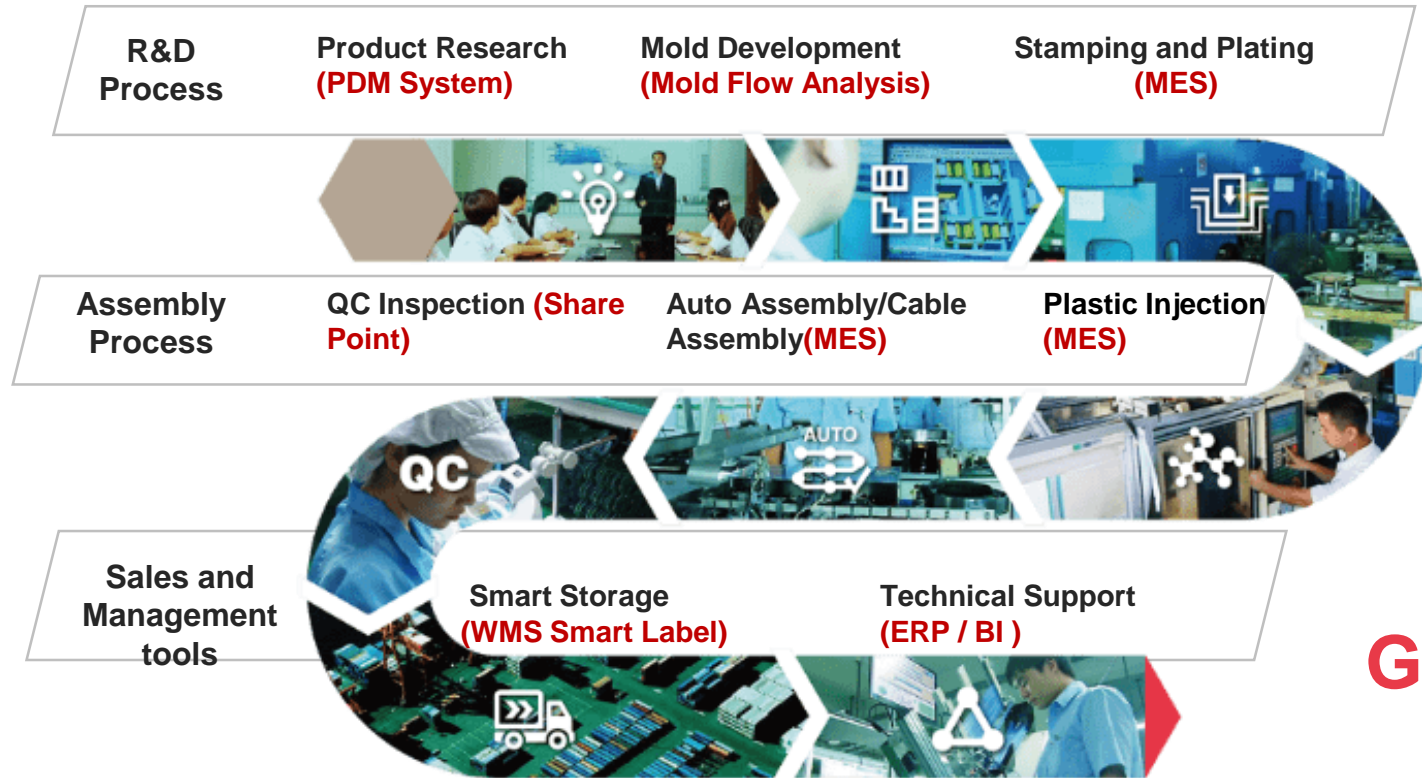


**Responsible Minerals Sourcing Policy**



*Connect the World Connect the Future*

# Consistently SOP



**GOAL**



# Competitive Advantage

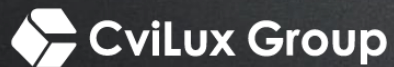


*Connect the World Connect the Future*



# THANK YOU

Connect the World Connect the Future



Founded in 1990, CviLux dedicates in manufacturing & selling Connectors, FFC, and Wire Harnesses.