

Make Broadband Easy Connection & Communication

By providing easy optical packaging solutions

Transport / Metro Networks
Fiber To The Home
CATV Network
Wireless Access

免責聲明

本次法說會所提供之簡報內容包括對於未來狀況之預測及評估，這些關於未來狀況之陳述乃基於公司目前可得資料所做的預測，涉及風險及不確定性，並可能發生實際結果與預期狀況有重大差異的情形，提醒各位不要過度依賴這些資訊，另除非法律要求，本公司將不負責更新或公告這些預測的結果。

經營績效

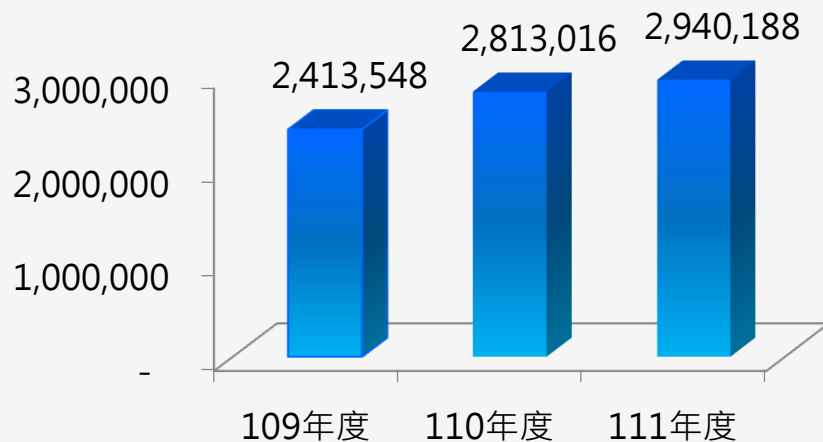
製造據點

產品簡介及應用、市場趨勢

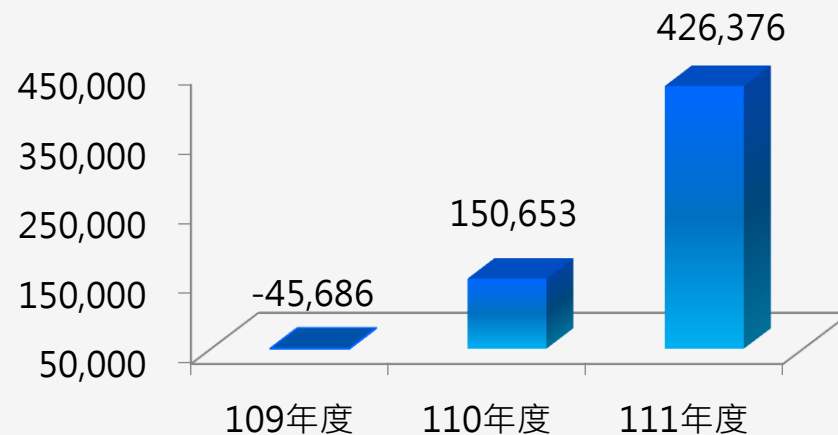
未來展望

單位：新台幣仟元；%

營業收入

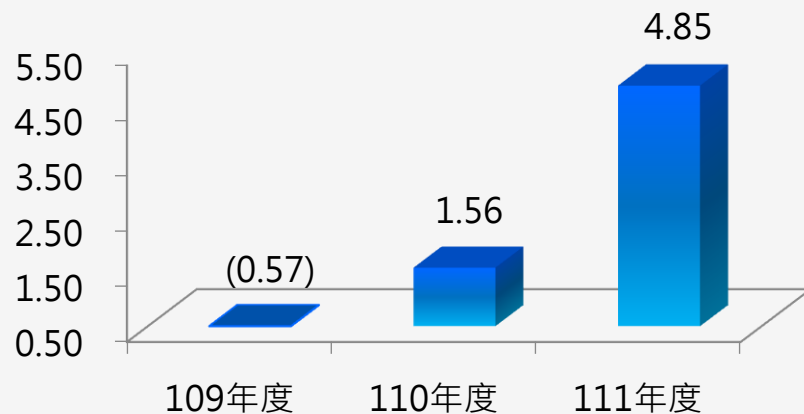


稅前利益

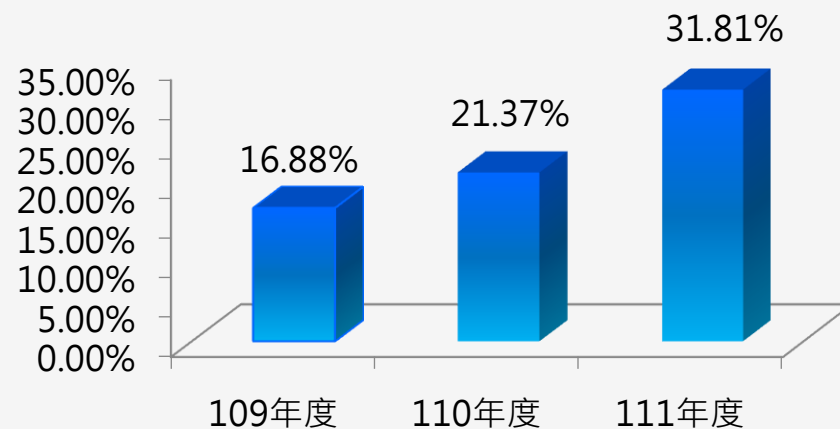


每股盈餘

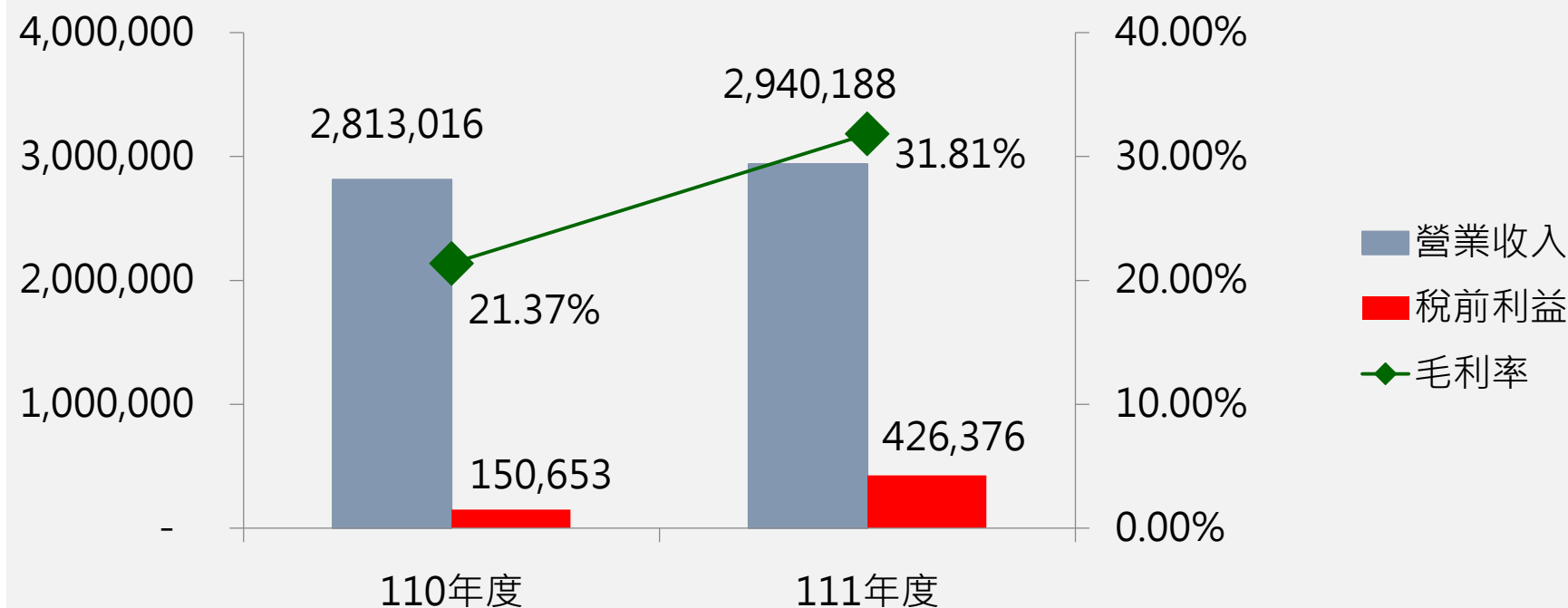
新台幣元



毛利率



單位：新台幣仟元；%



	110年度	111年度
營業收入	2,813,016	2,940,188
稅前淨利	150,653	426,376
毛利率(%)	21.37%	31.81%
營業淨利	180,838	289,926
每股盈餘(元)	1.56	4.85

項 目		109年度	110年度	111年度
財務結構	負債占資產比率(%)	41.19	43.76	41.58
償債能力	流動比率(%)	248.50	224.73	236.32
獲利能力	權益報酬率(%)	-2.08	6.00	17.25
每股淨值(元)		25.78	26.21	30.05

具有獨特光電設計和精密製造能力的全球製造商

High-End Production

Trutnov, 捷克



- Research and development
- ISO 9001
- Wafer Level Packaging
- Low-volume, high-end production
- 26 employees

Mass Production

New Taipei City, 台灣



- Headquarters
- Research and development
- High-volume production
- ISO-9001, ISO-14001
- Advanced BOSA, EML TOSA, MUX/DEMUX development / samples
- Broadband interconnects
- 435 employees

Mass Production

Ningbo, 中國



- ISO-9001, ISO-14001
- Research and development
- High-volume production
- 10G product line
- Broadband interconnects
- 510 employees

Low-Cost Mass Production

Laguna, 菲律賓



- ISO-9001, ISO-14001
- High-volume, low-cost production
- Fiber access
- 51 employees

Employees: 1,022

CATV Connector / Components

F 連接器
BNC連接器
IEC連接器
Hardline連接器
濾波器/衰減器/隔離器
避雷器
電纜組件



Microwave Connector / Dipole Antenna

SMA連接器
SMB連接器
MCX連接器
偶極天線
微型同軸連接器
電纜組件



Base Station Connector / Arrester

N 連接器
7/16 連接器
避雷器
Low PIM 系列



Automobile Connection System

HDMI-E



FAKRA-連接器



LAB Adaptor

50 OHM/75 OHM
轉接頭



Active Components

TOSA
ROSA
TRI-DI
GPON / EPON BOSA
10G BOSA
CSFP BOSA
Combo ONU/OLT BOSA
Special application-BOSA



Passive Components

SC Series
LC Series
MU Series
MPO Series
MT-RJ Series
FC Series
ST Series



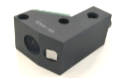
Transceiver

Dual Mode TRX
SFP/SFP+/XFP
XGS PON Stick
XGS-PON Triplexes
XGS-PON OLT Combo /TRX



MEMS /Aerospace

微機電雷射掃描模組



主動光纖電纜



Medical

靜脈雷射模組
OCT 光源模組
OCT工業檢測模組
OCT皮膚檢測儀



Optical Products

Jumpers/Pigtails

2,000,000 pcs/mth

OSAs

1,000,000 pcs/mth

Transceivers

10,000 pcs/mth

RF Products

Connectors/Parts

30,000,000 pcs/mth

Cable Assemblies

10,000,000 pcs/mth

Filter

10,000,000 pcs/mth

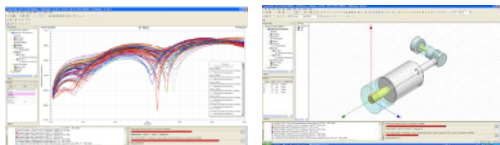
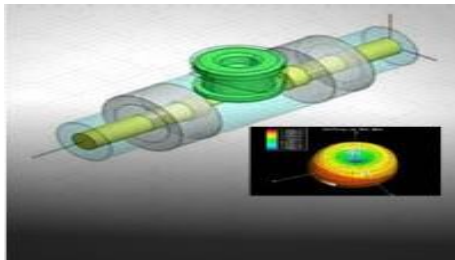
Isolator

1,000,000 pcs/mth



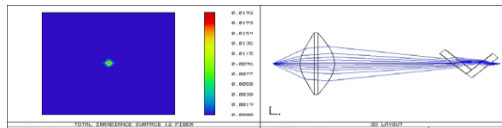
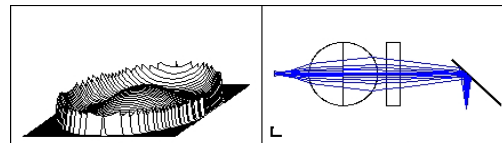
射頻訊號模擬/設計

- Ansys HFSS Release 2021R1
- Ansys HFSS Release V11
- AGILENT ADS

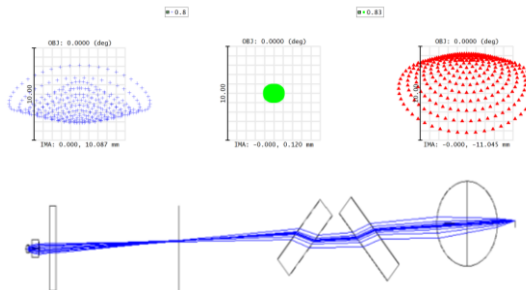


光學模擬

- Zemax
- Imaging System
- Fiber Coupling
- Optical path & Spot size Analysis

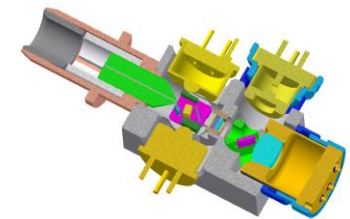


Spot diagram

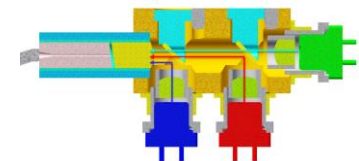


光機整合設計

- Mini size Optical Module:
30x10x6mm Include: 2 Lasers,
2 APD-TIAs, 4 lens, 6 filters,
1 fiber stub, 1 Isolator...

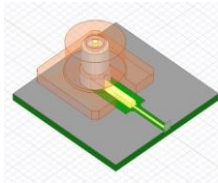
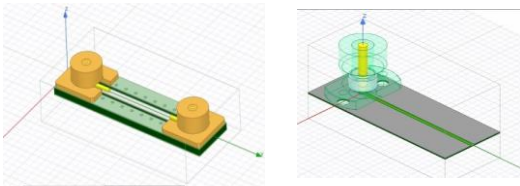


- Mini size RGB laser Module:
Build in AR Glasses.



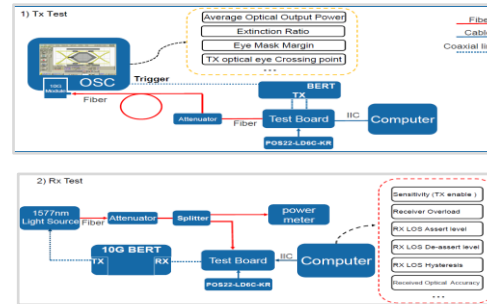
客製化屏蔽罩設計

- 3D Electromagnetic Field Simulator for RF and Wireless Design

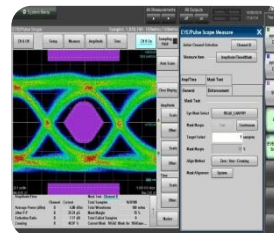


軟體 / 韌體 設計

- Lab VIEW/Visual Studio



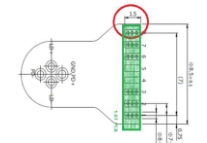
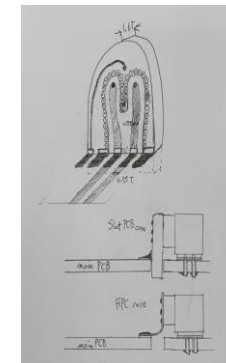
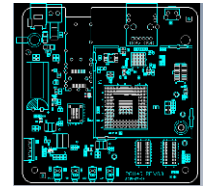
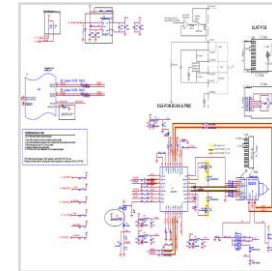
Realization of tuning procedures

[illegible]

Tuning scripts

軟 / 硬版 設計

- Altium designer

[illegible]

射頻訊號測試

- Agilent N5227B 67GHz
- Anritsu MS4652B 40GHz
- KEYSIGHT C5061B 3GHz
- EMC MIG0603IN S
- Rosenberger CoMeT



光纖訊號測試

- 10G Bit Error Rate Testing
- Thermal stream testing Machine
- TERSKY T-6000 Die-bonder
- 25G BERT+DCA

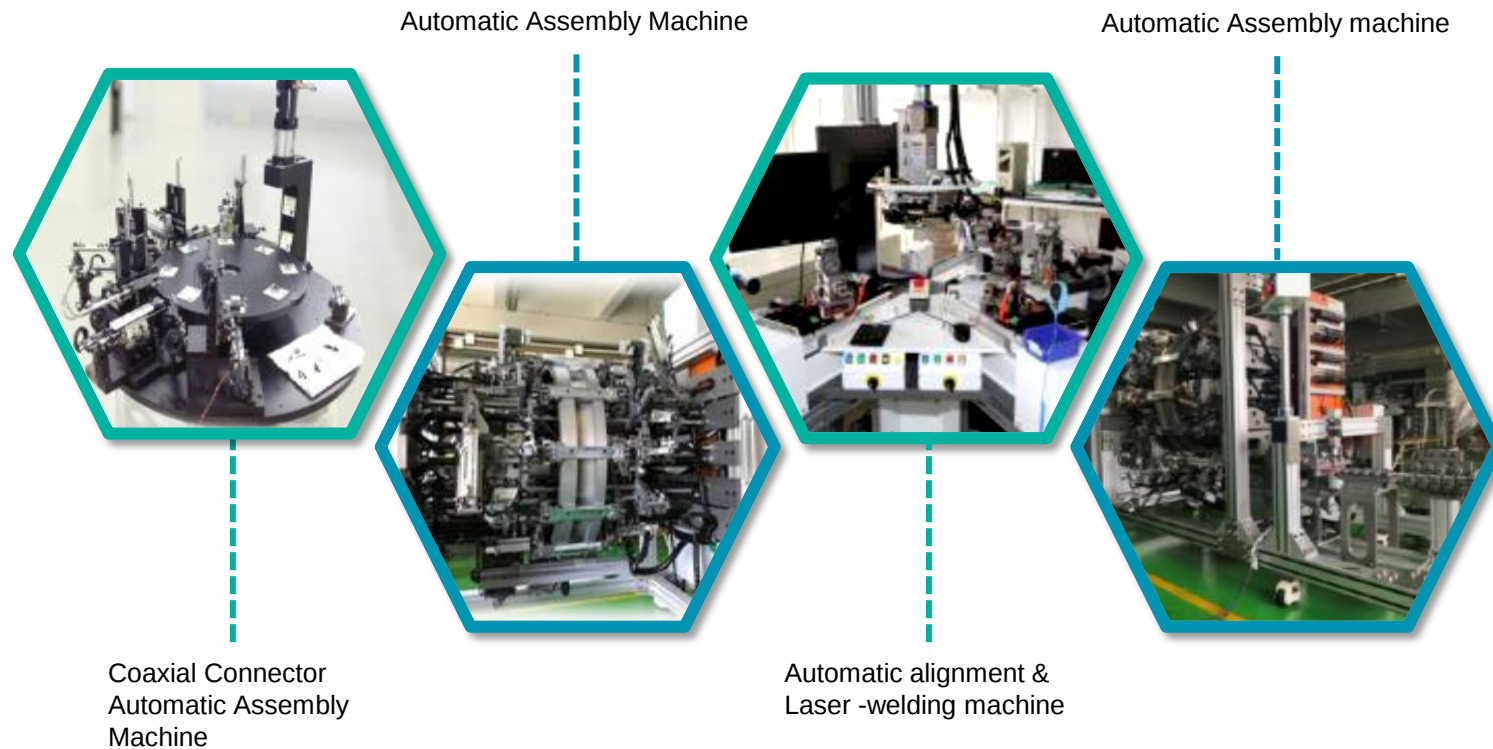


精密機械測試

- Reliability Test Chambers
- Temperature/Humidity
- Thermal Shock
- Laser welding



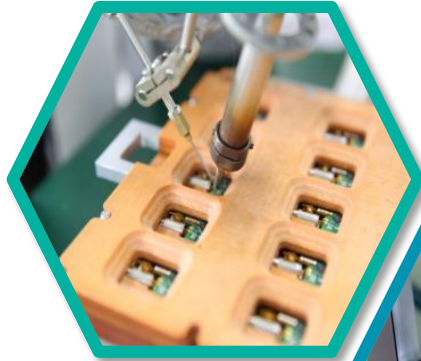
透過自動化流程來提升生產效率



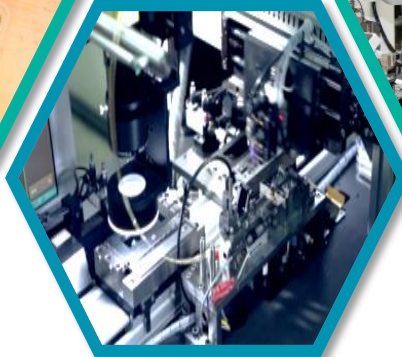
透過廠內精密的模具設計、自動耦光設備及全自動測試系統的開發，建立高效率的生產線

Fully automated production lines for components manufacturing

In-house mold development technology



Automatic Soldering machine



Automatic Laser alignment machine



Automatic Filter pasting machine



Automatic Gluing machine



- 超過300位以上經驗豐富的研發以及生產技術工程師，橫跨機械、電子、光學、軟/硬體...等領域
- 快速製作樣品的能力
- 專業的模具、治具設計及自動化設備開發能力
- 全自動生產線的設計能力

治工具

New Taipei City - TW

治具/模具 設計

Ningbo - CN

治具/模具 設計

Bell - PH

零件/半成品加工

Automatic Lathe CNC
Secondary processing machine
Coax Cable automatic Stripping machine
Precision machining
MEMS packaging
Die/Wire bond packaging

Plastic Molding
(injection/insert molding...)
Precision Machining
Polishing/Cable stripping
Auto alignment laser welding
Auto LD Alignment processes

COB on Metal Can packaging
Molded Clear packaging

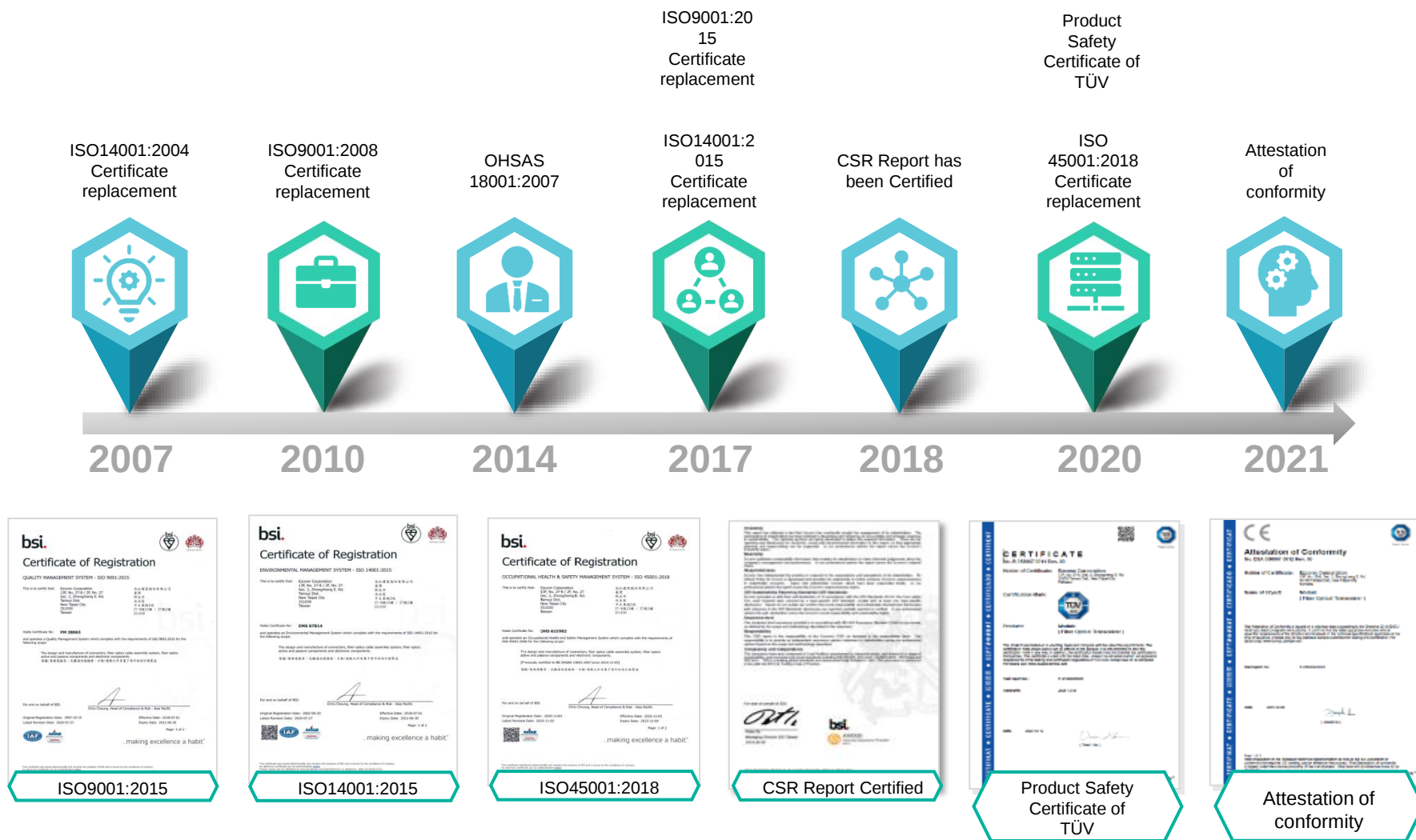
組裝及測試

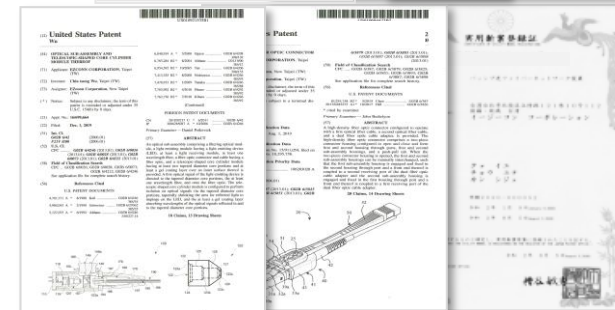
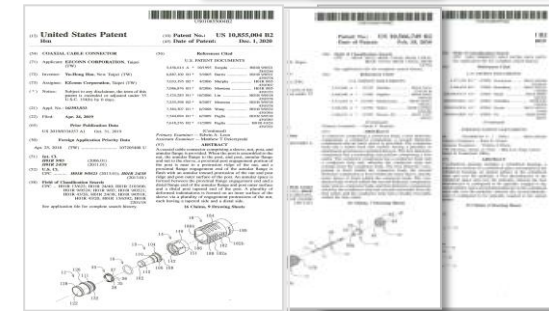
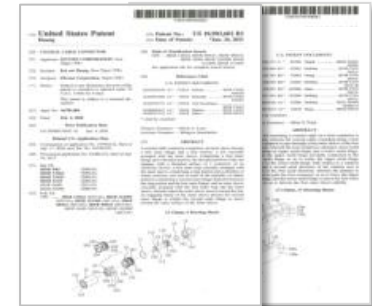
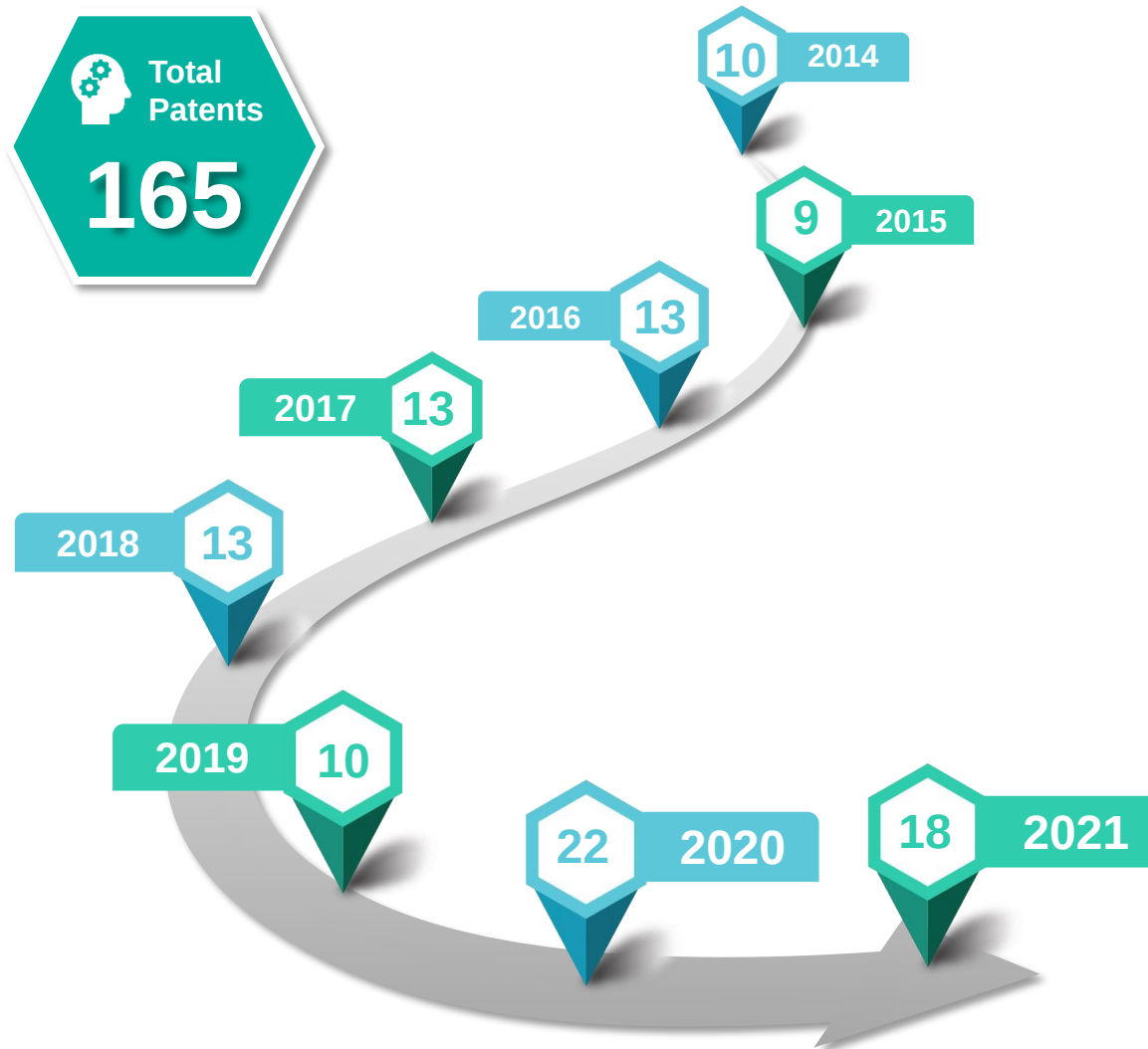
Precision Connectors
RF/Optics Cables assembly
Distribution hubs/Patch panels
High speed TRX assembly

Precision connectors
RF/Optics cables assembly
Distribution hubs/Patch panels
Optical TRX assembly

Single Die assembly
Multi-die assembly
Die on Die assembly







Let's Move Towards
A New Future
TOGETHER.

