OMS (Optical Manufacturing Solution) Provider
- Optical Devices Integrated Solutions
- Optical Devices Manufacturing and Service Platform

2021/5/31
TFC was founded in 2005 and went public in China in 2015
• The headquarter is located in Suzhou (China)
• The R&D centers are located in Suzhou (China), Shenzhen (China), Fukushima (Japan)
• Acquisition on Auxora completed on August, 2020

Sales Revenue, Unit: M$

<table>
<thead>
<tr>
<th>Year</th>
<th>Sales Revenue</th>
</tr>
</thead>
<tbody>
<tr>
<td>2015</td>
<td>34</td>
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<tr>
<td>2016</td>
<td>44</td>
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<tr>
<td>2017</td>
<td>49</td>
</tr>
<tr>
<td>2018</td>
<td>64</td>
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<tr>
<td>2019</td>
<td>76</td>
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<tr>
<td>2020</td>
<td>134</td>
</tr>
<tr>
<td>2021</td>
<td>150(E)</td>
</tr>
</tbody>
</table>
Global Footprint

- Established: Jul. 20, 2005
- Employees: 3000+
- Building Area: 150000m²

- Jiangxi Campus 1
- Jiangxi Campus 2
- TFC Japan Lens Injection Molding Factory
- HQ, TFC Suzhou
- TFC Suzhou Lens Injection Molding Factory
- Auxora Shenzhen, WDM Coating

Southeast Asia
New Manufacturing Base (Planning)

Silicon Valley, US
Los Angeles, US

Suzhou, China
Fukushima, Japan
Jiangxi, China
Shenzhen, China
ENTERPRISE ARCHITECTURE

- Marketing Center
- Operating Center
- Experiment Center
- Capital Center
- Suzhou Headquarters
- R&D Center

1. BOX / TO Packaging Line
2. Plastic Lens Line
3. Plastic Lens Line
4. Mold and Injection Molding Line
5. Optical Components Line (Cold Processing & Coating)

Jiangxi Campus (10 Product Lines)

- 5. OSA ODM/OEM Line
- 6. OSA Receptacle Line
- 7. Pigtail Receptacle Line
- 8. CNC Metal Parts Line
- 9. Isolator Line

- 10. AWG MUX/De-MUX Line
- 11. FA/PM Product Line
- 12. Fiber & Cable Assembly Line
- 13. Optical Adaptor Line
- 14. Zirconia Ceramics Line

Japan Lens Molding Factory (LENS)

Auxora Shenzhen
**CORE COMPETENCE**

**Operation Strength**
GEM Listed Company with converged resources, professional management team, sound system and global layout, ensuring business continuity.

**R&D Innovation**
8% annual revenue R&D investment, multiple R&D centers in Suzhou, Shenzhen, China and in Japan, industrial technical elites at home and abroad, professional optical, mechanical, test and automation teams.

**Technical Leader**
Multiple core technology platforms, hundreds of patents, profound experience in process. Product Line covers key passive and active components to provide multiple vertical integrated solutions for customers.

**Large-scale Manufacturing**
Jiangxi Large-scale manufacturing bases; advanced ERP/MES/PLM system runs through the whole production process; flexible production line for mass production; Lean production and continuous improvement for cost-down.

**Quality Assurance**
Complete QA system and analysis & test equipment setup. Complete enterprise standards in accordance with international and industrial standards. Strong equipment process and engineering capability.

**Customer Service**
16 years’ world leading customer supporting experience, keep participating in customers’ early R&D and has profound understanding of where their pain point and demand lies, helping them to launch new products as early as possible.
INNOVATION JOURNEY

2005-2014 R&D and manufacturing of discrete components

2005
Suzhou TFC Precision Ceramic Co., LTD Founded
Ceramic Sleeve Line in mass production

2006
Optical Fiber Adaptor Line
In mass production

2008
Receptacle Line in mass Production
CNC Metal Parts in mass Production

2011
Jiangxi Campus 1 founded
TFC renamed as “Suzhou TFC Optica Co., Ltd”
Injection Molding Line in mass production

2015
On Feb. 17, TFC got listed on GEM. Stock Code: 300394
Suzhou TFC R&D Center Established

2016
Suzhou Tianfu Optical Co., Ltd
Founded
ISO14001 & OHSAS18001 Certified
Investment in Japan Tsuois
Mold to start the layout in data center market

2017
Construction of Jiangxi TFC Scitech Park started
USA and Hongkong Subsidiary Established

2018
Strategic Cooperation with AIDI Photonics for AWG Products; Purchase AIDI Zhuhai Product Line and start MP in TFC Jiangxi Factory
INNOVATION JOURNEY

2019-2020 Multiple Packaging Technology Platforms Built

2019
Honored as Top 10 Competitiveness Enterprises of 2019 in the Optical Components and Auxiliary Equipment & Raw Material Field of China for continuous two years
25G OSA in Mass Delivery, 25G TO-Can Packaging Product Line in Mass Production
BOX Packaging Products in Mass Production

2020
Private Placement of RMB 786 Million in March, 2020 for Investment in High Speed Optical Engine Development
Wholly-owned Acquisition of TFC Japan Co., Ltd. in April, 2020, to get the ability in Nano-scale Tooling Design and Development of Lens Array Products
Wholly-owned Acquisition of Auxora (Shenzhen) Inc. in June, 2020 to get the ability in High-end LWDM Coating Technology, TFF Micro-Optics Assemblies and DWDM Passive Devices (ODM)
CORE TECHNOLOGY PLATFORM

Innovation Leads The Future
CORE TECHNOLOGY PLATFORM
Innovation Leads The Future

Parallel Optics Design and Manufacturing Technology

Ceramic Material Forming and Sintering Technology

Precise Tooling and Injection Molding Manufacturing Technology

Plastic Lens Array

Cable Assembly

Metal Material Micron Level Manufacturing Technology

Injection Molding

LO Fiber Adaptor

SC Fiber Adaptor
CORE TECHNOLOGY PLATFORM
Innovation Leads The Future

Micro-optics Simulation/Design/Coating/Assembly Technology

Optical Filter
- TPF Filters
- DDF/CDM/NDM
- ND/NDM, DNDM

Passive Optical Devices
- Isolator+NDM
- Isolator+QDF

Passive Optical Module
- Compact Module
- WDM Module

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01 High Speed Optical Subassembly Solution

Solution Advantages

+ High precision auto alignment and packaging for TOSA/BOSA and OEM for customized coaxial devices;
+ High Precision and GR468 reliability complied Die/Wire Bond;
+ High Precision and GR468 reliability complied TOCAN Packaging;
+ Effective Burn-In and Test
High Speed BOX Packaging Solution

Solution Advantages

+ High precision die/wire bonding for BOX packaging
+ High precision design and assembly of Receptacles
+ Optical simulation and analysis
+ High resolution 3D visual image automatic coupling;
+ Design and manufacture for parallel optics product

- COB (Chip On Board) -> (GA)
- COC (Chip On Carrier) -> (GA)
- 50G TX/RX (Hermetic Sealing)
- 100G/200G/400G AWG/TFF TX/RX (Hermetic/Non-Hermetic Sealing)
- ITLA Gold-Box (Planning)
- Pump Laser Gold-Box (Planning)

- GA—General Available
- ITLA—Integrated Tunable Laser Assembly
Micro-Optics Solution

Solution Advantages

+ Micro optical simulation / design / assembly
+ Optical coating design and processing capabilities
+ Ability in various types of free space optics design and assembly
AWG Solution for 100G/200G/400G/800G Transceivers

Solution Advantages

+ AWG chip dicing, polishing, and assembly
+ Optical simulation, and automatic fiber alignment system
+ High speed mini coaxial devices coupling and assembly
Passive Optical Components Solution for PSM/DR Transceiver

Solution Advantages

+ Design and assembly for high precision Fiber Array Unit (FAU);
+ FAU angular polishing technologies
+ AR Coating on FAU end surface;
+ Isolator bonding with FAU.
PM-FAU Passive optical device solution

Solution Advantages

+ Low insertion loss;
+ High extinction ratio;
+ High return loss;
+ Good environmental stability and reliability.
Plastic Lens & Fiber Array Solution for SR & OBO Application

Solution Advantages

+ Optical design and high precision injection molding
+ Customized design and assembly on MTP/MPO jumper
+ Fiber laser cleaving technology;
+ Chip-on-board (COB) assembly
Solution Advantages

+ Cable Assembly of 100G/200G/400G AOC;
+ Ceramic ferrule, MT ferrule and customized plastic ferrules;
+ Customized machined metal parts and plastic parts
SOCIAL RESPONSIBILITY

- Health
- Safety
- Environment Protection
- Public Welfare
OUR VISION

World leading enterprise of optical devices