From fiber, wireless to IP
— Dependable Partner for Future Networks
ShinewayTech has become one of the fastest growing companies in global FOTE, RF and IP testing industry. Over the past years, ShinewayTech sales covered more than 100 countries and dominated China OTDR market from 2009. We are committed to providing innovative and competitive communications test & measurement solutions and utilities that enable our customers to meet the fast-paced operational challenges of today and tomorrow.

ShinewayTech introduced the world first handheld optical time domain reflectometer (palmOTDR) with 5 patents in 2004 which opened a new epoch of optic fiber testing application and has delivered unprecedented experience and global reputation of effectiveness, efficiency and easiness. Thereafter a wide range of successful products have been brought to the market including intelligent optical loss testers/power meters/laser sources, PON testers, CWDM channel checkers, optical multimeter, multifunctional test platform, optical fusion splicers and most recently, multi-wave OTDR combined DWDM/CWDM/PON testing capabilities in one unit, making us one of the few original FOTE manufacturers with complete product line of more than 30 series and 200 models.

Combining years of expertise in fiber optic testing, insight in FTTx trend and complete product line, ShinewayTech presents FTTx TestPro™, the one stop test solution and utilities for entire PON life time. The packages include tailored product combinations to evaluate PON link continuity, signal loss, service performance as well as fusion splicing tools and supporting accessories for different stages.

ShinewayTech strengthens global customers confidence through comprehensive training and support services. Training can be conducted on-site or at ShinewayTechs training facilities, customizable courses are available besides regular program upon customers various demands. The company provides calibration and repair services, as well as additional support through its dedicated sales teams, technical field representatives, and business partners. All members have comprehensive knowledge and hands-on experience of ShinewayTech products, they also receive direct support from the companys technical and customer service teams.

ShinewayTech is a highly flexible and competitive market player, apart from our ISO 9001 certified R&D and original manufacturing, we welcome all terms of cooperation with global partners. We are committed to anticipating new trends and demands through interactivities with our partners, customers and industry specialists, and consistently investing in innovative research, design, manufacture and marketing to deliver state-of-the-art and cost-effective products and solutions to global FOTE market.

**Company Culture**

**ShinewayTech Eidos**  
ShinewayTech — Dependable Partner for Future Networks

**ShinewayTech Spirit**  
Honesty, Pragmatism, Innovation, Excellence

**ShinewayTech Vision**  
To be a leading global designer, manufacturer and supplier of communication test equipment.

**ShinewayTech Commitment**  
Offering advanced products and perfect services at our highest efficiency, and continuously accelerating the success of our customers.

**ShinewayTech Cooperative Strategy**  
Open cooperative system, flexible cooperation ideas, pragmatic cooperation attitude, and win-win cooperation model.

**ShinewayTech Values**  
“The synchronous development of individual and team, and win-win of company and employee” is the essence of ShinewayTech values. Continuously creating value through innovative work and extraordinary professional dedication to support the company’s long-term success and assume responsibilities for the society, employees and shareholders furthest.
National high-tech enterprise
Complete product lines in FOTE industry
Developed world’s first handheld OTDR
The only Chinese company awarded by Frost & Sullivan in FOTE
First Prize of Beijing Science and Technology Award
completed more than 30 high level government research projects
30+ national patents, 30+ software copyrights
Solutions

FiberWatcher Intelligent Optical Cable Network Monitoring & Management System

ST-iODN Intelligent ODN Management Solution

FiberGuard Fiber Sensing Solutions
- ST-PDS Optical Fiber Perimeter Defense System
- ST-BOTDA Brillouin Optical Time Domain Analysis & Demodulation System
- ST-FBG Fiber Grating Demodulation System
- ST-DTS Distributed Optical Fiber Temperature Measurement System
ShinewayTech FiberWatcher Intelligent Optical Cable Network Monitoring and Management System is a smart system designed for optic fiber network management and maintenance. It combines many significant features, such as online optical cable monitoring, alarming, fault analysis and positioning. Through the Geographic Information System (GIS), this system can guarantee the safe and efficient operation of optical cable networks, so as to achieve real-time optical physical network monitoring, maintenance and management.

- Online Monitoring and fault positioning
- Detection of the optical power of backup fiber and fault pinpointing
- Cross-segment monitoring
- Automatic Inspection
- Automatic optic fiber protection switching
- Support auto and manual test
- Fiber degradation analysis and alarming
- Automatic fault analysis
- Fault alarming and timely information report
- Perfect optical cable database and information index
- Provide data statistics and statement
- System configuration and log management
ShinewayTech ST-iODN Intelligent ODN Management Solution is mainly to solve the problem of fiber network port management problems. Identifying the connection status of the fiber port through the electronic tag and ensuring efficient use of fiber network port resources. To improve the efficiency of ODN service operation and maintenance by specifying workflow.
The ultimate solution to solve the three management problems of traditional optical network ports

**Problem 1**
Waste of resources caused by terrible port management

**Problem 2**
Low efficiency in operation & maintenance

**Problem 3**
Long recovery time

### Advantage
- Cover all manufacturers, all types of wiring equipment
- No interruption to service throughout the whole process
- Covers all nodes in a fiber-optic network
- Industry standard electronic tag - eID, compatible with other brands of electronic tags
- B/S architecture for flexible operation and maintenance

### Functions
- Automatic port status collection
- Fiber network port information management
- Intelligent construction guidelines
- Intelligent construction acceptance
- Auto optical routing
- Resource usage status analysis
Intelligent ODN system contains network manager, portable terminal and intelligent equipment.

**Network manager**
- Automatic routing
- Workorder managing
- Resource managing
- GIS map assist

**Portable terminal**
- Work guidance
- Operation check
- Data synchronization
- Resource polling

**Intelligent equipment**
- Real-time monitoring
- Automatic alarm
- Work guidance
Smart Tray

- Compatible with multiple connector types
- Encapsulated in protective layer, more than 30 years of lifetime
- One-time insert positioning and high content read accuracy
- No interruption to service

eID
FiberGuard Fiber Sensing Solutions

ST-PDS Optical Fiber Perimeter Defense System

- Multi-point intrusion alarm
- Long distance High precision Real time
- Perimeter division
- Intelligent recognition
- All weather
- Data analysis
- Scalable Easy to maintain
- Hierarchical authority

Military base anti-intrusion monitoring

- Inflammable, explosive, strong electromagnetic interference and other harsh places (oil depots, power stations, ammunition depots, airports, etc.)
- Long-distance fence anti-intrusion systems, such as airports, warehouses, military restricted areas, border lines, etc.
- Strategic resource pipeline anti-theft, anti-construction damage monitoring
- Geological and structural change alarms, such as roadway vibration, displacement, mountain, slope protection warning
- Accurate positioning of trapped people in underground bunker accidents

Applications

- Transport oil, gas, coal pipeline anti-theft, anti-construction damage monitoring
- Urban underground gas, heating, water pipeline leakage and anti-construction damage monitoring
- Long-distance fence anti-intrusion systems, such as airports, warehouses, military restricted areas, border lines, etc.
- Geological and structural change alarms, such as mine tunnel vibration, displacement, mountain, slope protection warning
- Accurate positioning of trapped personnel in mine accidents
- Other vibration alarm applications
ST-BOTDA Brillouin Optical Time Domain Analysis & Demodulation System

**ST-BOTDA Temperature strain monitoring system**

- Single-ended non-destructive testing
- Long detection distance, up to **100km**
- Distributed, spatial resolution of at least **1 meter**
- The strain test accuracy is ±20με
- Using Brillouin time domain analysis demodulation principle

**Applications**

- River dike monitoring
- Monitoring Center
- Reservoir monitoring
- Pipelining monitoring
- Hull damage monitoring
- Bridge monitoring
- Aircraft monitoring
- Road slope (foundation) monitoring
- Tunnel monitoring
- Building monitoring
- Pipelining monitoring
- Reservoir monitoring
- Bridge monitoring
- Hull damage monitoring

**ST-FBG Fiber Grating Demodulation System**

**Applications**

- Temperature, strain, position of civil engineering structures such as oil tanks, bridges, dams, tunnels, buildings, etc.
- Health and safety monitoring such as shifting, stress
- Safe monitoring of online temperature and pressure in explosive warehouses, oil wells, oil pipelines, tunnels, etc.
- Online temperature monitoring of power high voltage switchgear, busbar, cable connector and other equipment
- Power plant, coal mine, metallurgy, electrical equipment, cable state detection
- Monitoring of temperature and strain of tunnels, subways, highways, airports, nuclear power plants
- Temperature and strain safety monitoring of warships, submarines, aircraft and aviation equipment
- Measurement of temperature and strain in harsh environments such as strong electromagnetic fields and high corrosion

**ST-DTS Distributed Optical Fiber Temperature Measurement System**

**Applications**

- Cable tray, cable tunnel, cable trench, high voltage cable
- Oil storage tank, gas storage tank, oil pipeline, gas pipeline
- Road tunnels, subway tunnels, dams
- Transmission belt, coal-bearing trestle, coal storage yard
- Arsenal, dangerous goods warehouses, grain depots, dams, etc. require space for continuous temperature measurement

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Comprehensive Optical Network Inspection & Management Solution

Applications

- Optical network acceptance/maintenance
- Optical network monitoring
- Fiber fault location
- Universal loss test
Creator of Handheld OTDR
We provide the most comprehensive optical network test solution
palmOTDR
Access/FTTx/Metro/Long Haul/Data Center application

Features
• Dynamic range up to 50dB, dead zone down to 0.8m
• LinkImage intuitive link analysis
• Cloud-based reporting powered by SweepMasters
• Integrated OPM/LS/VIP/VFL function
• GPS security
• IP54 protection

MTP-200 Advanced OTDR
Access/FTTx/Metro/Long Haul/Data Center/CWDM/DWDM application

Features
• Linux OS, 8-inch touch screen
• Conventional Dual/Triple/Quad OTDR
• Up to 18 wavelengths CWDM OTDR
• C+L band tunable DWDM OTDR
• Dynamic range up to 50dB
• Dead zone down to 0.8m
• LinkImage intuitive link analysis
• Cloud-based reporting powered by SweepMasters
• Integrated OPM/LS/VIP/VFL function
• WiFi/Bluetooth/Remote control/GPS security

Portable and easy-to-use high performance test tool
High-performance integrated optical test solution

The fiber optic test instrument represented by the palm-type palmOTDR has been leading the industry for more than ten years. The products can be applied to maintenance scenarios such as trunk lines, metropolitan area networks and fiber-to-the-home. The highly integrated and powerful PON dedicated OTDR not only has online testing function, but also has graphical analysis and result rendering capabilities, which can effectively simplify optical network fault analysis and greatly relieve the pressure of the installation personnel. At the same time, the built-in PON stable light source and PON The optical power meter and visible light source function can easily evaluate the service signal quality and macro-bending faults, help engineers to fully grasp the real-time status of the network, and can also externally check the cleanliness of each node of the network. This combination helps to improve the convenience of fiber-to-the-home operation and maintenance while saving procurement costs.
Intelligent / Entry-level Fiber Testers
ShinewayTEch Offer Fiber Optic Test Solutions in Different Configurations

Intelligent Fiber Optic Testers
- OCC-50 CWDM Optical Power Meter
- MLS-20 Multi-wavelength Stable Light Source
- MLS-50 CWDM Stable Light Source
- OLT-20 Optical Talk Set
- PPM-5X Intelligent PON Power meter
- OVA-50 Optical Variable Attenuator
- OLT-55 Intelligent Optical Loss Tester
- OPM-50 Intelligent Optical Power Meter
- SLS-50 Intelligent Stable Light Source

Entry-level Fiber Optic Testers
- OCC-50 CWDM Optical Power Meter
- MLS-20 Multi-wavelength Stable Light Source
- MLS-50 CWDM Stable Light Source
- OLT-20 Optical Talk Set
- PPM-5X Intelligent PON Power meter
- OVA-50 Optical Variable Attenuator
- OLT-55 Intelligent Optical Loss Tester
- OPM-50 Intelligent Optical Power Meter
- SLS-50 Intelligent Stable Light Source
- OLT-20 Optical Loss Tester
- OPM-15/25 Optical Power Meter
- SLS-21/25 Stable Light Source
- VLS-20 Visible Light Source
- VLP-5 Visible Fault Locator
Optical Cable & Fiber Identifiers

OIF-50
Optical Cable Identifier

Convenient and efficient identification of deep buried, aerial, and ducted cables

OIF-30
Live Fiber Identifier

No interference with live fiber optic signals
Safely and efficiently identify the direction and frequency of the optical signal without cutting the fiber

OIF-20
Fiber Identifier

Smartly and accurately identify fiber optic fibers, determine optical signals and directions
**Connector Inspection & Cleaning Tools**

**OCI-20BN**
Optical Connector Inspector
High-precision inspection of fiber end face condition

**FCT/FCP**
Connector Cleaning Tools
Fast and low cost fiber optic connector end face cleaning
Accurate, Reliable, Flexible & Efficient Fiber Splicing Solution

Applications

- FTTx
- Backbone Splicing
- Fiber Network Operation & Maintenance
- Research

ShinewayTech fusion splicers in Andes
Fiber Splicing

Fiber splicing is widely used in optical network installation, cut-over repair and routine maintenance work. The maintenance personnel may operate in complex and challenging environment dealing with different types of fiber optic cables and connectors. ShinewayTech OFS-95 series miniature fusion splicer is exquisitely designed (the lightest is only 1.5Kg). The base supports a variety of fixing methods such as tripods. It is dust proof, waterproof, drop proof, can be operated in high altitude and low pressure environment. (Exclusively obtained a large number of applications in Tibet at an average altitude of 5,000 meters), suitable for a variety of harsh environments; its integrated fiber holders are compatible with bare fiber, pigtail, jumper, SOC and etc. OFS-95 fusion splicer is specially designed based on the first-hand field feedback and will effectively solve the problem during optical network construction and maintenance.

Ribbon Splicer

OFS-95R

Features

- 1-12 core splicing
- Automatic splicing, high precision and low loss (SM≤0.05dB)
- 20 seconds quick fusion, 40 seconds heating
- 5-inch touch screen
- Auto fiber detection/fusion control/loss estimation/temperature & pressure compensation
- High precision all-in-one fiber holder
**Powerful & Precise Core Alignment Fiber Fusion Splicer**

**OFS-95S**

**Features**

- Compact and convenient, 1.5kg weight with battery
- Robust design, passed 1m drop test
- 5-inch touch screen
- High-precision double V-groove, inner light, designed for convenient operation
- Splice Loss:
  - SMF/BIF: $\leq 0.02$dB (typ.)
  - MMF: $\leq 0.01$dB (typ.)
  - DSF/NZDSF/EDF: $\leq 0.04$dB (typ.)
- High precision 4-in-1 holder
  - (250μm/900μm/patch cord/FTTx indoor fiber etc), SOC holder
- 3 hours fast charge, supports over 200 splice + heating cycles
- Detachable battery, easy to replace, user can check the remaining capacity without mounting it to the splicer
- Hotkey design-push and splice
- Splice time 7s, heating time $\leq 15$ s
- Supports automatic splicing and automatic heating
- Replaceable heating adapter for regular fiber and SOC heating

**Lightweight & Durable FTTx Fiber Fusion Splicer**

**OFS-95EA**
Easy to Use, Stable & Accurate Wireless Test Solution

Applications

- Tower construction & maintenance
- Wireless network optimization
- Base station maintenance
- RF cable test
ShinewayTech CAA-100 Series Cable & Antenna Analyzer can test DTF/Frequency Return Loss, VSWR, Cable Loss and RF Power of RF cable and antenna systems. Test frequency range is from 1MHz-6GHz covering 2G/3G/4G/5G/WiFi applications. CAA-100A also supports spectrum analysis feature which supports frequency range of 300MHz-4GHz and 100dB dynamic range. CAA-100A series are essential measuring instrument for testing new generation of wireless network and indoor signal distribution.

**Features**

- Suitable for 2G/3G/4G/5G/WiFi
- 1MHz–6GHz, 60dB dynamic range
- Limit line/marker line/curve operation
- 8-hour battery life, 7-inch LCD color touch screen
- Mechanical/electronic calibration
- Optional terminal power meter: 50-4000MHz, 60dB dynamic range
- Optional Spectrum Power Meter: The exclusive Spectrum Power Meter option from ShinewayTech applied new technology to integrate the RF power meter with the spectrum analyzer. It can quickly and accurately measure the various standards in a mixed emission environment where multiple signals coexist. The detailed power characteristics of the signal, and the ability to directly display the power time domain map or spectrogram, is intuitive and convenient, providing an innovative solution for wireless communication system installation, maintenance and fault analysis.
Relative Products

- DPM-50AP
  - In-line RF Power Meter

- TPM-50
  - Terminal RF Power Meter

- SPM-50
  - Spectrum Power Meter

**Professional and User-friendly Interface for Measurement & Analysis**

- DTF VSWR
- Spectrum Analysis
- Phase Test
- Smith Chart
Frequency Spectrum Analyzer

FSA-100

ShinewayTech FSA-100 series 6GHz frequency spectrum analyzer are widely used in 2G/3G/4G/5G etc. FSA-100 series have the industry’s rare high receiver sensitivity performance with a minimum display average noise level of -165dBm/Hz. Power measurement dynamic range up to 100dB, maximum RF input power exceeds 27dBm. FSA-100 series are equipped with a 7” ultra-large capacitive touch screen (resolution 1024x600) and offer excellent user experience.

FSA-100 series combine high performance, high portability and maneuverability with excellent engineering design, making it small and light in weight. With more than 4.5 hours of working time, it can meet all kinds of complex environment signal measurement. FSA-100 series are an essential measurement tool for the construction, upgrading and maintenance of next-generation wireless networks.
**Features**

- All-digital intermediate frequency technology
- Frequency range: 9KHz to 6GHz
- Minimum display noise level (DANL) up to -165dBm/Hz
- Power dynamic range up to 100dB
- Max continuous input power $\geq 27$dBm
- SSB phase noise -90dBc/Hz @10kHz offset (typical)
- Minimum RBW 1Hz

- RF Attenuator Range: 0~55dB, 5dB step
- Support ACPR, channel power, transmit bandwidth, occupied bandwidth, C/I measurement
- Support AM, FM, FFT, IQ demodulation at zero bandwidth
- 7-inch color touch screen LCD, high resolution 1024x600
- Convenient file management: batch edit / delete, filter search supported
- 4.5+ hours working time

**Spectrum Analysis**
Efficient, Intelligent & Convenient Data Transmission Test Solution

Applications

- Next-gen Metro Network & IP Carrier Network Test & Maintenance
- Switch Performance Test
- Professional Network Management & Monitoring Test
The high-speed network is developing rapidly, and the service and performance verification tests are getting more important. ShinewayTech 10G Ethernet tester XGT-200 supports Y.1564, RFC2544 and BERT tests. The outstanding dual 10G optical ports and dual GE optical ports can be independently configured or work in pass-through mode. The instrument supports up to ten streams of verification tests and allow user configure each stream separately for efficient network monitoring, device performance analysis and more.
XGT-200 Applications

RFC2544

Q-IN-Q

Y.1654

Multi-stream Generation

BERT

Pass-through

Smart Discovery & Loopback
In the last decade, demand for fiber optical testing equipment (FOTE) increased as fiber-build outs, and higher bandwidth demands rose. Now, as the technological world moves closer to 5G, telecommunications and other industries must take additional steps to ensure their technology evolves appropriately through FOTE. ShinewayTech, a global FOTE leader, empowers its customers through state-of-the-art and simple-to-use technology that promotes cost-efficiency and translates to quick testing and maintenance. The company’s technology and customer-focus drive its unmatched reputation, leading to customers all over the world and a strong market position.

With its impressive experience in the market, and growth strategies, Frost & Sullivan is proud to bestow the 2019 Global Fiber Optics Test Equipment Price/Performance Value Leadership Award to ShinewayTech.

**Why ShinewayTech?**

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**Significance Of The Award**

To achieve the Price/Performance Value Leadership Award, an organization must strive to be best-in-class in three key areas: understanding demand, nurturing the brand, and differentiating from the competition.

Best-in-class organization are particularly successful in two critical areas: first, helping customers to appreciate and enjoy the product at every price point; and second, ensuring that customers perceive a demonstrable difference in performance features at every price point.

**What Is Price/Performance Value Leadership?**

Recipients in this category have successfully helped customers get the most out of their products, thereby ensuring customers perceive a demonstrable difference in the performance features. Ultimately, this balance allows companies to profitably deliver a variety of product options to customers, differentiate the product suite, and compete at every level of the market.

**Key Benchmarking Criteria**

For the Price/Performance Value Leadership Award, Frost & Sullivan analysts independently evaluate two key factors—Price/Performance Attributes and Customer Impact—according to the criteria identified below.

**Price/Performance Attributes**

- Criterion 1: Functionality
- Criterion 2: Ease of Use
- Criterion 3: Product/Service Quality
- Criterion 4: Performance Reliability
- Criterion 5: Prioritization of Features

**Customer Impact**

- Criterion 1: Perceived Value
- Criterion 2: Customer Purchase Experience
- Criterion 3: Customer Ownership Experience
- Criterion 4: Customer Service Experience
- Criterion 5: Brand Equity
Service

24 hours x 7 days technical consultation
Product knowledge base sharing
Standard products and solutions online / onsite communication
Special needs can be customized

Online/onsite training
24 hours x 7 days technical support
Maintenance service
Calibration or performance verification
Software/firmware upgrade
Discount on product renewals

Comprehensive professional product support services
Efficient & perfect after-sales maintenance services
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