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**ALL XPON ONU,
FIBER ACCESSORIES,
FIBER OPTIC PRODUCTS,
FTTH SOLUTIONS**

Sales and Supplier

Fiber Tools

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Fiber Splice Machine (INF-S21)



Mini Pro OTDR (INF-4100) (Optical time-domain Reflectometer)



Portable Optical Power Meter(-70~+6dBm) with 2.5mm SC/FC Connector)



OTDR (INF-710S) (Optical time-domain Reflectometer)



Fiber Cleaver (Model-1)



Power Meter



Smart OTDR (INF-3600) (Optical time-domain Reflectometer)



Fiber Cleaver (Model-2)



VFL (Vsula fault locator)



Krone Punch Down Tool



Universal Crimping Tool



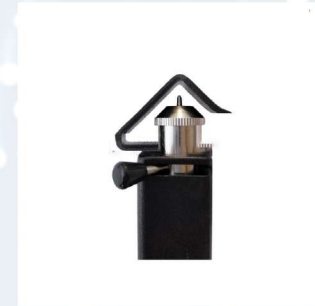
Drop Cable Stripper



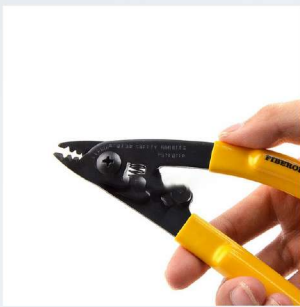
Cable Stripper (CF-2)
(Two port fiber stripping pliers)



Universal Stripping Tool (RG6)
RG7 RG11 Crimping Tool



Round Cable Stripper



Cable Stripper (CF-3)
(Three port fiber stripping pliers)



Crimping Tool
(Dual Modular) Modular
6-in-1



Cable Slitter

Fiber Splice Machine **(INF-S21)**

Our portable Fusion Splicer (INF-S21), Fiber Optic Equipment is a Mini type Fusion splicing machine and have our own intellectual property right of fiber adjustment technology. It adopts advanced PAS Fiber adjustment technology . Adopt four motors drive, have fiber adjustment function, it is not only used for FTTX project, but also can be used for the trunk line, it is a machine which is the smallest volume ,the light- est weight ,the most fast splicing speed.



Features:

- 7s fast splicing
- core to core alignment technology
- High quality, low loss, typical splicing loss
- Water, dust, wind resistance
- Titanium alloy body
- 5 directions anti shock bars
- Software online upgrade through internet
- 24hours online technical support.

Fiber Splice Machine (INF-S21)



Applicable Optical Fiber Types	SM (G.652/G.657), MM (G.651), DS (G.653), NZDS (G.655), EDF, BIF/UBIF (G.652/
Applicable Optical Fiber Core Number	Single core
Applicable Optical Fiber Diameter	Cladding Diameter: 90-150 μ m, Coating diameter: 125~ 1000 μ m
Fusion splice Model	Re-store: 40 groups, User define: 80 groups
Average Fusion Splice Loss	0.02 dB(SM), 0.01 dB(MM), 0.04 dB(DS), 0.04 dB(NZDS)
Echo Loss	better 60 dB
Fusion splice Duration Time	7sec(typical parameter)
Heating time	Fusion-Protection Sleeves 15s Fast heating (customization)
Number of motors	4/6 optional
Password control	Optional
Operation method	Simple to use, one-touch operation, automatic welding with cover
Corrosion Resistance	Equipment components, Parts and materials meet composite anti-corrosion requirements, Anti-fluid pollution
Working aloft	Require additional configuration platform
Alignment	Core alignment, Cladding alignment, Precise Alignment
Loss Estimation of Fusion Splice	Exist
Optional Fixtures	0.9, 250, 3.0 separately Holders

OTDR (INF-710S) **(Optical time-domain Reflectometer)**

INF-710S Mini-Pro OTDR is apply to FTTx and access network construction and maintenance, to test fiber breakpoint, length, loss and input light automatic detection, automatic test by one key.

The tester is compact with 3.5inch colorful LCD screen, new plastic shell design, shock-proof and drop-proof. It is a good choice for long term field work.



Feature:

- (9 functions in 1 device)
- OTDR: 1310/1550nm, 24/22dB, 5m~60KM
- Event Map (similar to EXFO iOLM)
- Optical Power Meter: -50~+26dBm
- Optical Light Source: 1310/1550nm, >-5dBm
- Visual Fault Locator: >=10mW
- RJ45 Ethernet Cable Sequence
- RJ45 Ethernet Cable Distance
- RJ45 Ethernet Cable Tracker
- LED Light

Smart OTDR (INF-3600) (Optical time-domain Reflectometer)

INF-3600 Smart handled OTDR is mainly used to measure the length, loss and connection quality of all kinds optical fiber cables. It can also be widely used in engineering construction, line maintenance & testing, emergency repair, the development and production of optical fiber cables. This OTDR for fiber optic, price low, with backlit display screen, compatible connector types FC / PC, SC / PC, jumpers and adapters are also provided for switching between UPC / APC.



Features:

- Lightweight, portable and cost-effective.
- One-click operation, clear test data, make you an OTDR test expert.
- Integrated with Visual Fault Locator system, can easily detect the fault location of
- the dead zone.
- Using rubber key, dust-proof, waterproof, shockproof ability, suitable for field
- maintenance work.
- Using large capacity battery, long working time, suitable for long time field work.
- Fitx and access network engineers for construction and maintenance fault location.

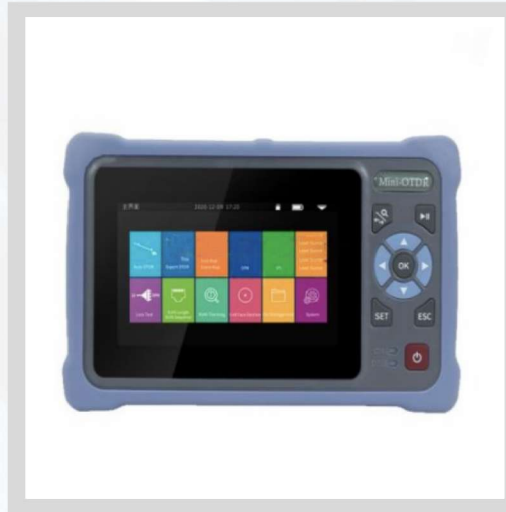
Smart OTDR (INF-3600) (Optical time-domain Reflectometer)



OTDR	
Model:	INF-360
Wavelength(nm)	1310/1550nm
Dynamic Range	22/20dB
Measurement Distance	0-60 km
Type of Fiber	9/125um SM
Type of Connectors	FC/PC/; SC/PC (FC/APC SC/APC--Optional)
Peak Value of laser	>=30mW
Unit	Meter/ inch/ mile
Dead Zone of Reflection	2m
Dead Zone of attenuation Event	12m
Accuracy Distance(Reflection)	About $\pm(1m+2 * 10^{(-4)} * \text{distance})$
Storage of records	200 groups
Visual Fault locator(VFL)	
Wavelength (nm)	650nm
Output power	>=10mW
Mode	CW, 1Hz, 2Hz
Fiber type	SM, MM

Mini Pro OTDR (INF-4100) (Optical time-domain Reflectometer)

Our Mini Pro series OTDR adopts 4.3-inch capacitive touch screen. It integrates 12 functions, such as auto OTDR, expert OTDR, event map, OPM, RJ45 cable tracker, and “computer level” file management to meet various test requirements in different occasions. display screen, compatible connector types FC / PC, SC / PC, jumpers and adapters are also provided for switching between UPC / APC.



Features:

- Dynamic Range of 26/24dB
- Event Dead Zone: 2.5m
- ATT Dead Zone: 8m
- 8G memory card to store over 200000 curves
- 4000mah Lithium Battery for over 12 hours measuring
- 4.3-inch Touch Screen

You can use this OTDR to measure the length, loss, connection quality and other parameters of optical fiber. It is widely used in FTTX, secondary backbone network engineering construction, maintenance and emergency repair test, and production measurement of optical fiber and cable

Fiber Cleaver (Model-1)

The fiber cleaver is used to cut the quartz glass fiber as thin as a hair. The end of the cut fiber is still flat after being magnified hundreds of times before it can be used for device packaging, cold splicing, and discharge welding.



Feature:

- Full metal gland, metal body;
- Three-in-one leather thread fixture;
- All metal blade slider.

Application

- Can rotate 12 positions, the cutting angle is less than 0.5 degrees;
- Small size, light weight, convenient disassembly and assembly, continuous cutting tens of thousands of times;
- Ensure cutting effect and stability.

Fiber Cleaver (Model-2)

The fiber cleaver is used to cut the quartz glass fiber as thin as a hair. The end of the cut fiber is still flat after being magnified hundreds of times before it can be used for device packaging, cold splicing, and discharge welding.



Features:

- Full metal gland, metal body;
- Three-in-one leather thread fixture;
- All metal blade slider.

Application:

- Can rotate 12 positions, the cutting angle is less than 0.5 degrees;
- Small size, light weight, convenient disassembly and assembly, continuous cutting tens of thousands of times;
- Ensure cutting effect and stability.

Portable Optical Power Meter(-70~+6dBm) with 2.5mm SC/FC Connector)

It's a new high-precision portable optical power meter. It is a compact and an easy-to-use testing instrument for optical fiber networks, which can be used for absolute optical power measurements as well as for relative loss measurements in optical fibers. It is compatible with SC/FC/ST with the most popular interchangeable interface on the market.



Features:

- Wavelength: 850~1625nm
- Measurement Range: -70 ~ +6dBm
- Connector: 2.5mm FC/SC
- Connector Test Accuracy: $\pm 0.2\text{dBm}$
- Operating Temp: -10°C to 60°C
- Battery type: Alkaline Battery(AA 1.5V batteries)

Power Meter

A 650 nm VFL fault finding laser is an option for the optical power meter. Compared to a conventional VFL pen, advantages include less equipment to carry, long battery life and additional connector safety & flexibility.



Features:

- Large LCD display with backlight function
- The function of both optical power meter and VFL
- Compact size, Portable and rugged, Easy to use
- 3xAA batteries or AC adapter power supply
- Optional Interchangeable Universal 2.5&1.25mm adaptor

Power Meter



OPM		
Wave Range	800nm~1700nm	800nm~1700nm
Connector	Universal FC/SC/ST	Universal FC/SC/ST
Detector Type	<u>InGaAs</u>	<u>InGaAs</u>
Power Range	-70dBm ~ + 6dBm	-50dBm ~ + 26dBm
Uncertainty	+_5%	
Calibration Wave	850/980/1300/1310/1490/1550/1625/1650nm	
	Linear display: 0.1% Logarithmic display: 0.01dBm	
VFL (Options)		
Wave	650nm +_ 30nm	
Output Power	2mW/10mW/30mW/50mW	
Mode	CW/1Hz/2Hz	

VFL (Vsula fault locator)

Easy to check fiber faults with visual red laser light FC, SC, ST General interface Sturdy and durable shell Constant output power Long inspection distance Operates in either CW (Continuous wave) or pulse (Both modes are available) Pen pattern design, convenient for use and carry Dust-proof design keeps fiber connectors clean Compact in size, light in weight, red laser output, both SM and MM available.

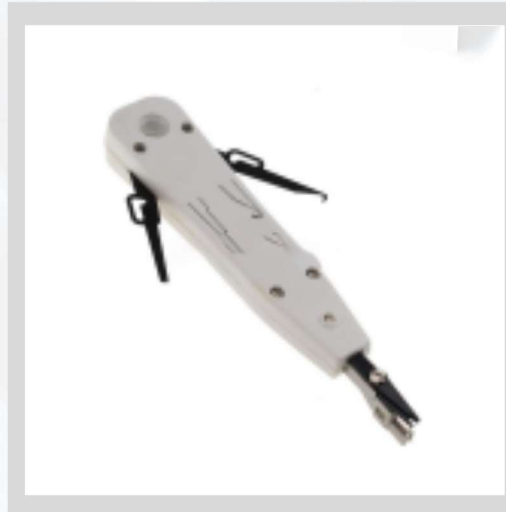


Features:

- Operates in continuous or pulse modes for clear noticeable results;
- Push button operate CW / Mod. (2.5 Hz frequency) / pause;
- Green LED indicator shows the operating mode;
- Power switch on the end for battery on / off;
- Protective cap for extra protection;
- 2.5mm Universal connector;
- 1.25mm adapter available.
- Application:
 - Operates either in CW or Pulsed;
 - 2.5mm Universal connector (1.25mm adapter available);
 - High powered laser (5mW) for single-mode(>7km) and multi-mode (>5km) connectors;
 - Soft-sided carrying case with belt loop;
 - Compact, ergonomic design for ultimate portability;
 - Protective rubber end cap.

Krone Punch Down Tool

Portable KRONE KD-1 Punch Down Impact Tool With Sensor For Telecom Phone Wire RJ11 Network Cable RJ45 Cat5 Suitable for wire installation into network and telecommunication. Suitable for wire installation into network and telecommunication equipment. The driving part is made of high quality tool steel, 40Cr tool bit and 45 steel with quenching processing. The head of tools which is made of special material makes tools more durable. Tool bit and spring made of excellent metal strip and spring steel.



Cable Stripper (CF-2) **(Two port fiber stripping pliers)**

- * It benefits from an exquisite, strong and durable Design
- * Suitable for sheath removal of 2mm, 3mm Indoor Optical Cables
- * Adjustable Blade depth in order to protect the Fiber Optic
- * Horizontal with two Straight Blades, longitudinal with a circular blade
- * Transverse cutting or Longitudinal cutting possibility
- * Light Weight, Small Volume, Simple Operation



Application:

- When not in use, the knife edge is locked in a closed state;
- The jaw has been debugged before leaving the factory, so it does not need to be adjusted;
- Suitable for stripping pigtails, bare fiber and drop cable;
- The macr-opore is used to peel 2.0 mm-3.0 mm; - The hole is used to peel the coating of 125um-200um optical fiber

Cable Stripper (CF-3) **(Three port fiber stripping pliers)**

Three unique fiber coating wire strippers. Used to strip 125 μ m250 μ m fiber coating.

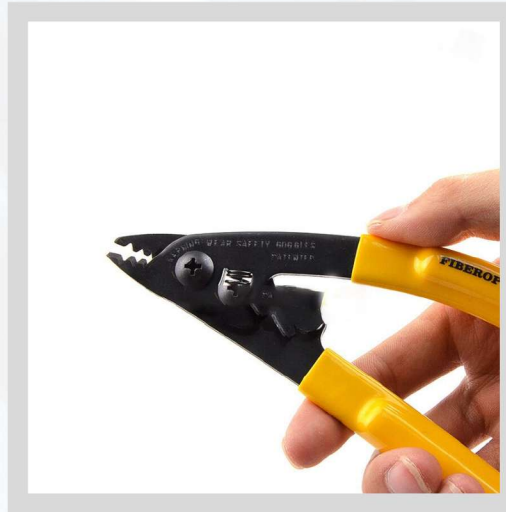
The top opening 1.98mm can be used to strip the outer skin pigtail.

The edge of the V-shaped jaw and the optical component 140 μ m fiber can be used Stripping.125 μ m250 μ m cladding. No damage to the fiber.

All cut surfaces have precise mechanical tolerances to ensure clean and smooth operation.

Comfortable grip Handle. The blade is locked in the closed state when not in use

Note: Two models are shipped randomly, please do not place an order if you mind



Features:

- Use: FTTX, FTTH
- Product name: Fiber Optic Stripper
- Function: cable Stripper
- Fiber Optic Cladding Diameter: 125um
- Length: 165mm
- Application: FTTH FTTB FTTX Network, FTTH

Universal Crimping Tool

INDUSTRY PROVEN DESIGN: Our Three hole Fiber stripping tool is field tested to deliver top performance on client sites. Ideal for use with both FTTH and industrial FTTX, FTTB & FTTP systems.

EASILY ADJUSTABLE: Precision tune this Fiber Stripper with a 1.5mm Allen Key included. Our Fiber Cable Cutter hex key ensures more accurate cable cuts than a conventional stripper.

We always found it difficult to source raw materials for jobs at short notice, and at a good price. So we started to source our own fiber products for HDTV, SDI, and Analog MATV systems. This need has created our brand, Fibershack, your mission critical supplier for all Fiber Optic needs.



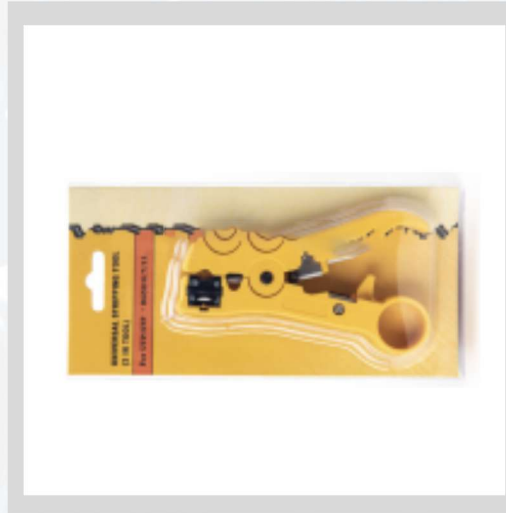
Other Features:

- **QUALITY DESIGN** - Every fiber optic stripper has a TPR / Thermoplastic handle and is tested after production to ensure a consistent high quality cut out of the box.
- **CUT DEPTH RANGES:** Hole 1 - 1.6 > 3 mm fiber jacket cuts down to the 600 - 900 micron buffer coating. Hole 2: strips the 600-900 micron buffer coating down to the 250 micron coating. Hole 3: cleanly strips the 250 micron cable down to the glass fiber.
- **TRUSTED SUPPLIER** - Since 1989, Pacific Satellite Inc has been installing commercial CATV systems and networks throughout the USA.

Universal Stripping Tool (RG6 RG7 RG11 Crimping Tool)

RF coaxial cable assembly (7/16DIN/N/TNC/BNC/FME/U.FL/IP EX/L9/SMA/SMB/MMCX/MCX/OEM). The use of high quality steel production, work exquisite, durable.

Professional suppression of insulated terminals, the use of high standard precision crimping die, easy to suppress the terminal damage to ensure the quality of repression at the same showing a beautiful repression appearance.



The use of labor-saving ratchet structure design, saving time and effort to suppress conveniently.

The use of non-slip handle design, professional ergonomic concept so that you feel soft & comfortable.

Crimping Tool **(Dual Modular) Modular** **6-in-1**

Designed for cutting, stripping, and crimping RJ11, RJ12, RJ22, and RJ45 connectors onto CAT3, 5e, and CAT6 cables, this connector crimper is perfect for any network installer.

This crimper features the following:
Ratcheted, ultra-stable platform for consistent terminations with low hand force

Tool includes built-in jacket strippers for round and flat cables 22 AWG-28 AWG (0.32-0.64 mm diameter)

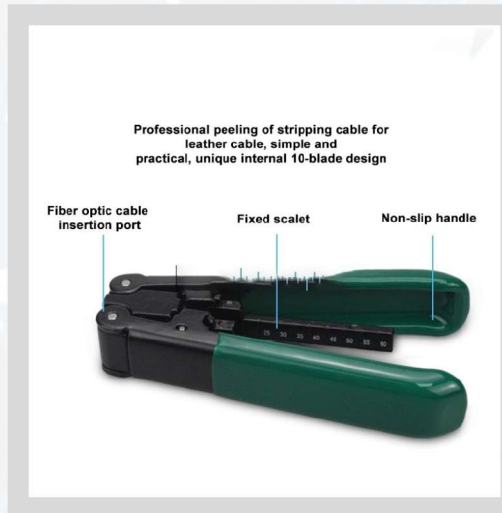


Other Features:

- 2 crimping slots: one for 8 position modular connectors and one for 6 and 4 position modular connectors
- Durable all-steel construction with heavy duty cutting blade good for 3,000 cuts
- Dual-component ergonomic cushion grip handles for greater comfort
- Cable Parameters: 22 AWG-28 AWG (0.32 mm-0.64 mm diameter) flat or round, solid or stranded, telephone or data.

Drop Cabel Striper

- Applied for pigtail and fiber drop cable sheath peeling
- Length positioning and fixed design
- Hardened and tempered carbon steel polished sharp jaw blade
- Precise tolerances to assure clean and smooth strips
- Cutting depth adjustable to avoid scratch or nick naked fiber



Features:

- Fiber Optic Cladding Diameter: 125um
- Length: 113mm
- Fiber count: 1-2 Cores
- Cable size: 125um from 250um
- Application: 3.0 x 2.0 mm FTTH Drop Cable

Round Cable Stripper

- Application: Cable Installation, FTTX
- SM & MM Fiber: optional
- Transmits digital and analog voice, data and video signal in the network;
- Respectively applicable for the application of all Level D & Level E;
- Applicable for all CAT 5E/6 applications;
- Contact strip: Gilded copper beryllium alloy;
- IDC: Copper-phosphorus alloy;
- Keystone shielding housing: Nickel-plated copper alloy;
- Marked with T568A/568B routing color codes to avoid unnecessary routing mis operation;



- With protective cover to make IDC contact operate normally operate in bad condition;
- High compression flame resistant material, grade UL94V-0;
- Snap-in simple clamping method, easy use;
- Application:
- The original tool for slitting cable insulation from PVC, Teflon & THHN insulations;
- Adjustable cutting depth for insulation up to .18" (4.5 mm) thick;

Blade swivels for circular, longitudinal & spiral cuts – great tool for window slits.

Cable Slitter

The Mid Span Slitter is an efficient and indispensable tool for fiber optic cable termination. The sharp blade is made of super-alloy, suitable for longitudinal stripping of outdoor optical loose tube cable. The stripping opens the tube on upper and lower sides for easy access of the fiber. The Mid Span Slitter comes with 4 groove diameters. Just select the proper groove, put in the loose tube, press the blade into the tube coating, close and clamp the two half grooves, and move the blade along the tube to strip.



Applications :

- Used for fiber optic cable termination.
- Benefits
- Small, light weight design for maximum portability
- Simple operation without any adjustments
- Provides easy access to fiber