

ARTISAN®
TECHNOLOGY GROUP

Your **definitive** source for quality pre-owned equipment.

Artisan Technology Group
(217) 352-9330 | sales@artisantg.com | artisantg.com

Full-service, independent repair center
with experienced engineers and technicians on staff.

We buy your excess, underutilized, and idle equipment
along with credit for buybacks and trade-ins.

Custom engineering
so your equipment works exactly as you specify.

- Critical and expedited services
- In stock / Ready-to-ship
- Leasing / Rentals / Demos
- ITAR-certified secure asset solutions

Expert team | Trust guarantee | 100% satisfaction

All trademarks, brand names, and brands appearing herein are the property of their respective owners.

Visit our website - *Click HERE*

MICRO ELECTRONICS, INC.

SERVING YOUR PRECISION STRIPPING NEEDS



MICRO-STRIP

NON-THERMAL STRIPPING SYSTEM

Micro-Strip stripping tools from Micro Electronics strip buffered fiber up to 2360µm, and jacketed fiber up to 3.5mm quickly and easily.

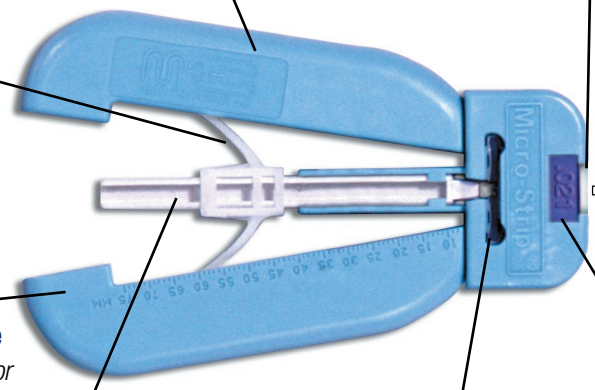
You can use two standard handles with interchangeable cutter blade sets, fiber guides and fiber guide locks to strip all sizes. Simply select and install the proper cutter blade sets, tube guides, and tube guide locks.

Or if you prefer, purchase Micro-Strip tools individually fitted for the fiber or jacket diameter you specify with cutter blade sets, fiber guides and fiber guide locks already installed.

A. Handle Assembly
Standard stripping handle accepts interchangeable parts quickly and easily.

B. Fiber Guide
Selected for each nominal diameter of unstripped buffer or cable. Wrong sized fiber will not fit, assuring that fiber is precisely positioned, properly stripped, and not nicked or damaged.

H. Spring assembly
Keeps handles apart, ready for next fiber or cable.



C. Stripping Force
Applied longitudinally with the fiber. The chance for harmful drag against the blade is virtually eliminated, even with operator inattention or fatigue.

G. Strip length guide
Calibrated in 1/16˝ for desired strip lengths.

D. Fiber Guide Lock
Holds the fiber securely in position. Color code to match the cutter blade set.

F. Fiber Support Channel
Guides fiber being stripped in a straight line to prevent core damage from flexing and bending. For jacket stripping, cable support channel performs a similar function.

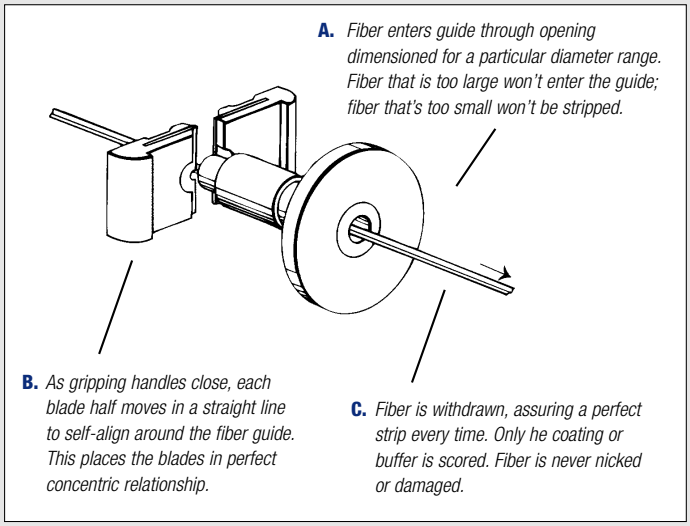
E. Cutter Blade Set
Can be selected for each fiber coating or cladding diameter. Opposing blades self align around fiber guide to assure concentric scoring and precision stripped, nick free fiber.

ultra precise

NON-THERMAL STRIPPING SYSTEM

Patented, self-centering stripping system assures precise, concentric scoring with no cladding or core damage.

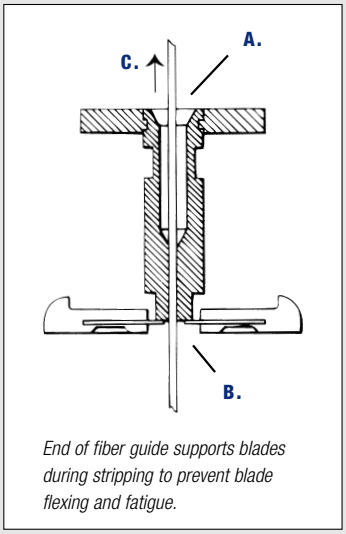
SNAP-APART PRECISION-MACHINED BLADE HALVES MOLDED INTO THERMOPLASTIC BODIES.



A. *Fiber enters guide through opening dimensioned for a particular diameter range. Fiber that is too large won't enter the guide; fiber that's too small won't be stripped.*

B. *As gripping handles close, each blade half moves in a straight line to self-align around the fiber guide. This places the blades in perfect concentric relationship.*

C. *Fiber is withdrawn, assuring a perfect strip every time. Only he coating or buffer is scored. Fiber is never nicked or damaged.*



End of fiber guide supports blades during stripping to prevent blade flexing and fatigue.

PRECISION MACHINED FIBER GUIDE.

non-thermal stripping procedure

PROPER TOOL SELECTION

Select the proper tool and components for either fiber stripping or jacket stripping by referring to the tables on the back page. If necessary, install proper fiber guide, fiber guide lock and cutter blade set.

STRIPPING PROCEDURE

(BUFFERED OPTICAL FIBER USING MS-1-FS TOOL)

1. Hold tool in one hand, fiber in the other. Keep handles in fully expanded position. Insert fiber through fiber guide until end aligns with rule markings to match desired strip length.
2. Squeeze handles closed. Cutter blades are now scoring the buffer or coating.
3. While maintaining a slight pressure to keep the cutter closed, withdraw fiber from tool, completing the stripping process.

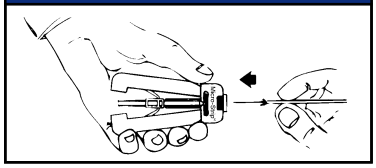
STRIPPING PROCEDURE

(JACKETED FIBER USING MS-2-L TOOL WITH LATCH BAR)

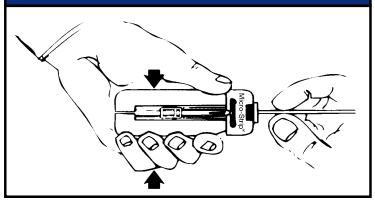
1. Insert cable through fiber guide. Align end of cable with rule marking at desired strip length.
2. Close handles together so blades cut into jacket while holding handles closed, flip latch bar down around pin. Release handles to latched, semi-open position. Do not reclose handles. Move hand up to grasp head of tool. While other hand is holding cable firmly, pull with a quick smooth motion. Flip latch off pin. Stripped jacket will fall out through rear of channel when handles are fully open.

Note: *Never leave tool with latch in locked position. This can cause Delrin spring to take set, preventing handles from opening fully. When stripping hard, tough or thick jackets, it is necessary to use latch bar. Lock bar out of the way by tightening the screw.*

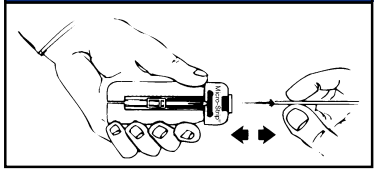
1. Insert correct fiber/wire through guide and into support channel to desired strip length.



2. Close handles. Blade set cut almost through the insulation without ever touching the fiber/wire.



3. With handles closed, pull fiber/wire or cable from tool. Always a precision strip length. Fiber/wire is never nicked or damaged.

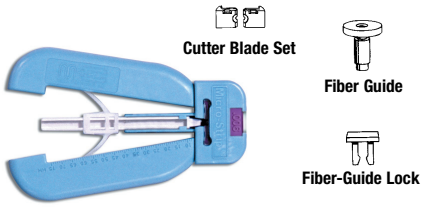


ultra versatile

Use these two standard handles to strip buffered fiber up to 900µm, or jacketed fiber up to 3.5mm quickly and easily. Simply select and install the proper cutter blade sets, fiber guides and fiber guide locks. Or, if you prefer, purchase Micro-Strip tools individually fitted for the fiber or jacket diameter you specify. Cutter blade sets, fiber guides, and fiber guide locks come already installed.

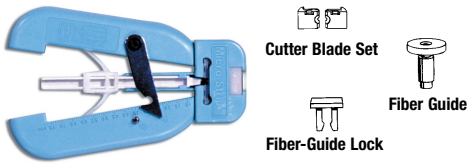
COATING/BUFFER STRIPPING

MS-1-FS tool with interchangeable cutter blades and fiber guides can mechanically strip any buffered fiber up to 900µm.
Cutter Blade Sets: 13 sizes for 80µm to 630µm fiber.
Fiber Guides: 10 sizes, for 180µm to 900µm coatings.
Fiber Guide Locks: Provided with cutter blade sets



JACKET STRIPPING

MS-2-L tool with interchangeable cutter blades and fiber guides can mechanically strip jackets for 2.5mm, 3.0mm, and 3.5mm cable.
Cutter Blade Sets: One standard size 0.054″ dia.
Fiber Guides: 3 sizes for 2.5mm, 3.0mm, and 3.5mm jackets.
Fiber Guide Locks: Provided with cutter blade sets.







The concept of a single stripping tool with interchangeable blades and guides was developed in the late `70's by the newly-formed Micro Electronics. Company engineers visited a NASA facility and saw a way to improve the stripping tools then in use. Problems were that precision needed improvement; a separate tool was required for each size wire to be stripped; and the blade wasn't supported during the stripping operation. This led the company to invent and patent the highly precise Micro-Strip® stripping tool.

As development continued, it was found that the superior presision and stripping performance of the micro-strip tool was ideally suited to buffered optical fiber. Since then, optical fiber and fiber optic cable applications have been responsible for the primary growth and development of the company. Micro-Strip® are also marketed for the stripping of fine wire and multi-conductor cable.

In 1988, the Soft-Strip® thermal stripping system was patented and introduced. This ingenious variation of the basic Micro-Strip design includes integral heating elements to soften and strip such coatings and insulations as MYLENE, KAPTON, TEFLON, PVC and HYTREL. Three years later, a patented multi-fiber ribbon-stripping blade for the Soft-Strip® system was developed.

MICRO ELECTRONICS, INC.

Seekonk MA, 02771 • 508-761-9161 • Fax 508-761-8960 • www.micro-strip.com

MICRO-STRIP® CUTTER BLADE REPLACEMENT

Precise • Versatile • Easy-to-Use

To remove installed blades:

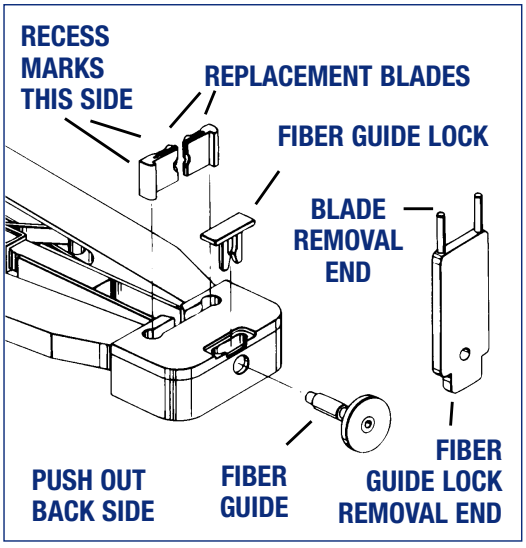
1. *Using flat end of push tool, remove fiber guide lock by pushing out from the back side of tool head.*
2. *Remove fiber guide from tool.*
3. *Using prong end of push tool in small holes on back side of tool head, eject blade set.*

IMPORTANT! Do not remove cutter blades while fiber guide is still in tool.

To install new blades:

(Furnished in a matched set for blade precision. Snap apart before installation.)

1. *Install with "ears" pointing toward top of tool and recess marks visible. Push firmly with flat end of push tool until both blades are seated.*
2. *Insert fiber guide through hole in top of tool until it stops.*
3. *Insert fiber guide lock through slot in front of toolhead.*



Caution: Units heat continuously when handles are closed. Do not hold handles closed for longer than 20 seconds for AA battery units, 10 seconds for 6-volt battery/AC adapter units, or over heating can damage tool. Do not touch heater oven while in operation. Allow oven to cool before removal and cleaning.

Note: Blades are color coded and matched to diameter and color of fiber guide lock. Replace or install fiber guide and fiber guide lock as needed. Always test strip fiber or cable after installing new blade set. Remove blades periodically and clean with brush provided and alcohol.

MICRO ELECTRONICS, INC. • Seekonk, MA 02771 • phone: 508-761-9161 • fax: 508-761-8960 • web: www.micro-strip.com

MICRO-STRIP® KIT INFORMATION

Fiber Optic and A.W.G. Wire Stripping Starter Kits



(MS-FOK-1)

Fiber Optic Stripping Kit

This fiber optic stripping kit, MS-FOK-1, contains stripping tool, blade and fiber guide components for both outer jacket stripping (up to 3.5mm) and coating/buffer stripping (up to 900µm). It comes packaged in an attractive metal case.


(MS-FOK-2)

Fiber Optic Stripping Kit

This convenient three-step fiber optic stripping kit, MS-FOK-2, contains Kevlar scissors and prefitted strippers for outer jackets (up to 3.5mm), 900µm buffers and 250µm coatings.



(MS-TK-1)

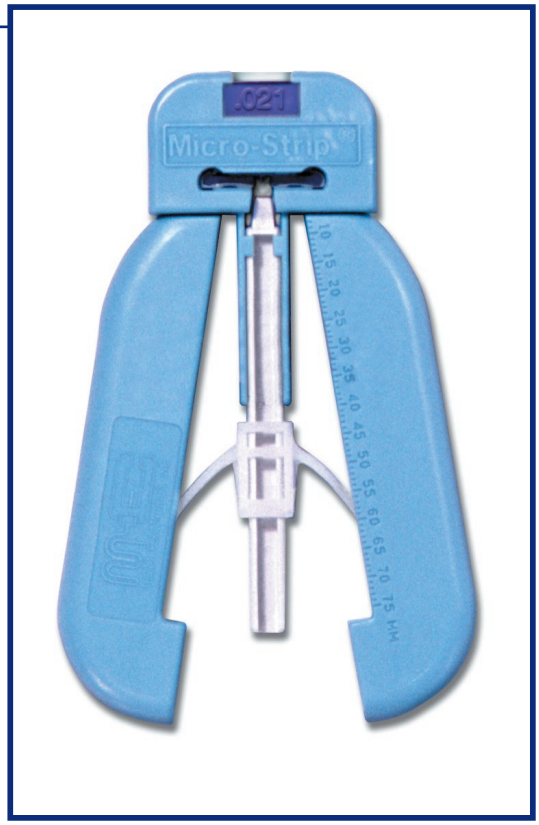
A.W.G. Wire Stripping Kit

This A.W.G. wire stripping kit, MS-TK-1, is used for precision stripping of 18-32 gage fine wire. It contains a standard stripping handle with a variety of blade and guide components for stripping a wide range of solid or stranded wire.

MICRO ELECTRONICS, INC. • Seekonk, MA 02771 • phone: 508-761-9161 • fax: 508-761-8960 • web: www.micro-strip.com

MICRO-STRIP® INFORMATION

The Best Non-thermal Stripping Tool



Accuracy
Every stripping component of the Micro-Strip® system is manufactured to tolerances tighter than 0.0005″.

Error Proof
Because Micro-Strip®'s components are color coded, there's no chance for error, and virtually no chance of fiber damage. Every detail of Micro-Strip®'s design has been tested, retested, and proven in the field since 1973.

The Right Tool
You can order from a variety of standard Micro-Strip® tool already fitted with your desired fiber guide and cutter blade set. You can also order replacement blade sets and guides so the same handle can be used to strip many sizes of fiber or cable.

Micro-Strip Non-Thermal Kit
This convenient kit includes the most used components for fiber optic stripping, along with complete instructions, cleaning brush and push tool.

Versatility
There's no need to purchase separate tools for each fiber size. Micro-Strip®'s modular blade sets are quickly interchangeable and replaceable for coated optical fibers up to 900µm, or jacketed fibers up to 0.140″.

Low stripping Force
Lower stripping force means less stress on the fiber and higher quality splices. Micro-Strip® requires less than a pound of peak force for stripping coated fiber.

MICRO ELECTRONICS, INC. • Seekonk, MA 02771 • phone: 508-761-9161 • fax: 508-761-8960 • web: www.micro-strip.com

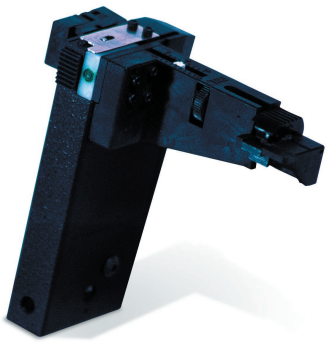
NEW ITEMS AND ACCESSORIES

Accessories and Options



Micro-Strip® Scissors

MS-SZR-1 Reliable, multi-purpose scissors for use in Fiber Optic and Electrical Service applications. Serrated models for non-slip Kevlar cutting and fiber or wire cutting. Stripping notches for 19 and 23 A.W.G. fine wire. File on back edge of blade to sharpen.



Universal Fiber Optic Cleaving Tool

MS-CLV-1-TB The universal cleaving tool is designed for single and multi-mode fiber with standard diameters without operator adjustments of any kind. The tool package includes bench mounting clamp, hand carrying strap and protective case.

Blade Cleaning Brush



MS-CB-1 (single-sided)



MS-CB-2 (double-sided)

Both of these useful brushes are for removing coating residue from blade area normal to the stripping operation.



Component Removal and Insertion Tool

MS-PT-1 Facilitates easy removal for replacing or interchanging a wide range of Micro-Strip® blade set and fiber guide packages.

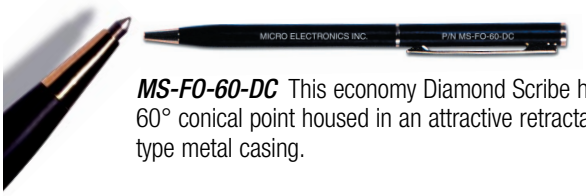
Fiber Optic Scribes



MS-FO-90-DW For a wide cutting surface, the deluxe 90° Wedge Diamond Scribe is housed in an attractive retractable type metal casing.



MS-FO-60-SW For an even wider cutting surface, this 60° Wedge Sapphire Scribe is housed in an attractive retractable type metal casing."



MS-FO-60-DC This economy Diamond Scribe has a 60° conical point housed in an attractive retractable type metal casing.

MICRO-STRIP® ORDERING INFORMATION

Complete Fiber Stripping Tools and Replacements

1. *From table, identify fiber coating or cladding diameter you wish to strip down to. Read across to Complete Tool Cat. No.*
2. *From Fiber Guide Selection table, identify desired coating or buffer diameter to learn Fiber Guide Cat. No. Put 2-digit code in Complete Tool Cat. No. space to complete it.*
3. *Order complete tool. Proper cutter blade set will be provided.*
4. *Order replacement cutter blade sets and fiber guides as needed.*

COMPLETE TOOLS AND REPLACEMENT BLADE SETS FOR OPTICAL FIBER

Fiber Cladding Diameter to Expose (µm)	(in.)	Proper Blade dia.	Complete Tool Cat. No.†	Replacement Cutter Blade Set Cat. No.*	Blade Color Code
up to 80	up to .0031	.0045	MS1-04S-___-FS	MS1-RB-04S	CLEAR
85-20	.0033-.0047	.0055	MS1-05S-___-FS	MS1-RB-05S	LAVENDER
125-135	.0049-.0053	.0063	MS1-06S-___-FS	MS1-RB-06S	PURPLE
125-175	.0049-.0068	.008	MS1-08S-___-FS	MS1-RB-08S	RED
180-230	.0070-.0090	.010	MS1-10S-___-FS	MS1-RB-10S	LIGHT BLUE
235-180	.0092-.0110	.012	MS1-12S-___-FS	MS1-RB-12S	WHITE
285-330	.0112-.0129	.014	MS1-14S-___-FS	MS1-RB-14S	DARK GREEN
335-380	.0131-.0149	.016	MS1-16S-___-FS	MS1-RB-16S	ORANGE
385-430	.0151-.0169	.018	MS1-18S-___-FS	MS1-RB-18S	YELLOW
435-500	.0171-.0196	.021#	MS1-21S-___-FS	MS1-RB-21S	ROYAL BLUE
505-550	.0198-.0216	.023	MS1-23S-___-FS	MS1-RB-23S	MAROON
555-600	.0218-.0236	.025	MS1-25S-___-FS	MS1-RB-25S	LIGHT GREEN
605-680	.0238-.0267	.028 ##	MS1-28S-___-FS	MS1-RB-28S	BLACK
685-750	.0269-.0295	.031	MS1-31S-___	MS1-RB-31S	TAN
755-830	.0297-.0326	.034	MS1-34S-___	MS1-RB-34S	PINK
835-900	.0328-.0354	.037	MS1-37S-___	MS1-RB-37S	GRAY
905-1050	.0356-.0413	.044	MS1-44S-___	MS1-RB-44S	DARK BROWN
1055-1350	.0415-.0531	.054	MS1-54S-___	MS1-RB-54S	NATURAL

For best results use .0063 inch blade when removing a 250µm coating.
For best results use .0080 inch blade when removing 900µm buffer.
\# For best results when stripping secondary buffer down to primary 250µm coating use blade size .021 inch.
For best results when stripping secondary buffer down to primary 500µm coating use blade size .028 inch.
† Includes tool individually boxed with cleaning tool, push tool and instructions.
* Catalog numbers are for two cutter blade sets packaged together with a matching fiber guide lock. Each blade set consists of a pair joined, matched blades which must be snapped apart prior to use. Matched cutter blade sets are NOT interchangeable, and must only be used with their matching half.

FIBER GUIDE SELECTION

Fiber Coating or Buffer Dia. to Strip	Replacement Fiber Guide Cat. No.▲
up to 250	MS1-RT-**10**
250-343	MS1-RT-**13**
343-407	MS1-RT-**16**
407-457	MS1-RT-**18**
457-533	MS1-RT-**21**
533-635	MS1-RT-**25**
635-787	MS1-RT-**31**
787-889	MS1-RT-**35**
889-1016	MS1-RT-**40**
1016-1168	MS1-RT-**46**
1168-1321	MS1-RT-**52**
1321-1397	MS1-RT-**55**
1397-1600	MS1-RT-**63**
1600-1702	MSI-RT-**67**
1702-1778	MS1-RT-**70**
1778-1930	MS1-RT-**76**
1930-2057	MS1-RT-**81**
2057-2184	MS1-RT-**86**
2184-2362	MS1-RT-**93**

▲ Catalog numbers are for a single, individually packaged fiber guide with integral size indicator disk.

Complete Jacket Stripping Tools and Replacements

1. *From table, identify jacket diameter you wish to strip. Read across to Complete Tool Cat. No.*
2. *Order complete tool. Proper cutter blade set and fiber guide will be provided.*
3. *Order replacement cutter blade sets and fiber guides as needed.*

COMPLETE TOOLS AND REPLACEMENT BLADE SETS FOR JACKET STRIPPING

Jacket Dia. (mm)	(in.)	Blade Dia. (in.)	Complete Tool Cat. No.†	Replacement Jacket Guide Cat. No.††	Replacement Cutter Blade Set. Cat. No.*	Blade Color Code
2.5	.098		MS2-54S-D1	MS2-RT-D1		
3.0	.118	.054	MS2-54S-D2	MS2-RT-D2	MS2-RB-54S	NATURAL
3.5	.137		MS2-54S-D3	MS2-RT-D3		

MS-1 and MS-2 components are NOT interchangeable.

* Catalog numbers are for two cutter blade sets packaged together with a matching fiber guide lock. Each blade set consists of a pair joined, matched blades which must be snapped apart prior to use. Matched cutter blade sets are NOT interchangeable, and must only be used with their matching half.

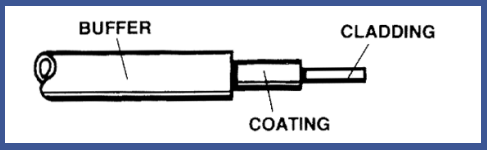
REPLACEMENT HANDLE ASSEMBLIES

Handle Assembly	Application
MS-1-FS	Fiber coating/buffer stripping up to 900µm
MS-2-L	Jacket stripping up to 3.5mm

† Includes tool individually boxed with cleaning brush, push tool and instructions.
†† Catalog numbers are for single individually packaged Jacket Guide (with integral size indicator disk).
* Includes handle individually boxed with cleaning brush, push tool and instructions. Cutter blade set and fiber guide are not included.

OPTICAL FIBER TERMINOLOGY

Optical Fiber, made of glass, fused silica, or plastic transmits light much as metallic wire carries electricity. Optical fibers are encased in various ways to meet application requirements. Shown here are the typical components of optical fiber:



BUFFER - material that protects an optical fiber from physical damage Coating- material in intimate contact with the cladding surface, applied to preserve its integrity.

CLADDING - the dielectric material surrounding an optical fiber's core.

CORE - The central region of an optical fiber through which light is transmitted.

MULTIPLE-FIBER RIBBON - A formed, flat carrier of several optical fibers.

OPTICAL CABLE - A fiber, multiple fibers, or fiber bundle in a structure fabricated to meet optical, mechanical, and environmental specifications.

MICRO ELECTRONICS, INC. • Seekonk, MA 02771 • phone: 508-761-9161 • fax: 508-761-8960 • web: www.micro-strip.com

Artisan Technology Group is an independent supplier of quality pre-owned equipment

Gold-standard solutions

Extend the life of your critical industrial, commercial, and military systems with our superior service and support.

We buy equipment

Planning to upgrade your current equipment? Have surplus equipment taking up shelf space? We'll give it a new home.

Learn more!

Visit us at **artisantg.com** for more info on price quotes, drivers, technical specifications, manuals, and documentation.

Artisan Scientific Corporation dba Artisan Technology Group is not an affiliate, representative, or authorized distributor for any manufacturer listed herein.

We're here to make your life easier. How can we help you today?

(217) 352-9330 | sales@artisantg.com | artisantg.com

ARTISAN® TECHNOLOGY GROUP