MSI
Marking Services Incorporated

ELECTRICAL LABELING
PRODUCTS & SERVICES

Logical, thorough, and consistent communication is imperative for the safe and reliable operation of commercial and process facilities. At MSI, we want to help you establish guidelines and specifications to communicate meaningful information to facility personnel in support of safe operations, emergency response, and compliance with regulatory requirements through an effective and durable plant labeling system. MSI wants your facility to be set up with "best practices" for plant labeling products, services, and instant access to critical asset information using mobile technology.

Durable labeling installed properly and effectively is intended to support process safety management and uninterrupted production by providing critical information to plant personnel in a standardized and consistent manner. The objectives of asset management and identification from MSI are designed to deliver the following benefits:

1) Process Safety Management (PSM):

PSM is an integral part of safe, reliable, and effective plant operations. Benefits of enhancing a PSM program with respect to labeling include:
- Enhanced facility safety & productivity
- Improved operator training
- Assistance for maintenance personnel by providing instant access to asset information like operation and maintenance manuals and work procedures direct at the asset
- Reduced risk of equipment downtime
- Aid and support for emergency response personnel

2) Hazard Reduction and the Prevention of Human Error:

A comprehensive and effective labeling program contributes to the effective functioning of process operations and limits the potential for downtime or injuries due to operations or maintenance errors.

3) Uniformity of Labeling Nomenclature:

A labeling program that is standardized and consistent contributes to the flow of information and feedback among all affected departments including: operations, maintenance, safety, environmental, quality, administration, supply, and management. Information flow regarding piping, equipment, valves, instrumentation, and hazards shall be understood by all parties because of the standard definitions and specific identification included on each label, sign, or tag.

4) Regulatory Compliance:

Industries subject to government oversight or compliance testing can store critical data directly at the asset location and retrieve this data during inspections. Using mobile technology, critical information can be retrieved at the asset without having to dig for information in engineering libraries.

We provide a single source for all electrical labeling needs. More than simply creating your labels, you'll benefit from the smart choices we have developed to help manage your largest expense, labor.

From take-off services to quickly installed labeling products, we can help you complete any size labeling challenge efficiently and cost-effectively. Through our value-added services and high-quality products, we significantly raise the level of safety awareness, and reduce your in-place costs.

Submittal Service

We know that part of your contract with customers requires you to provide submittal documents for all the products you supply. As a service to you, we will prepare any and all electrical labeling submittal documents that will meet your requirements. Our detailed documents streamline the submittal process, allowing contractors to obtain approval for the electrical labels needed for the project.

Custom Product Design

As a manufacturer of identification products, we are able to provide completely customized solutions to meet the requirements needed for any project. Don't settle for restrictive markers and tags that only allow for minimum information, we can create custom products in regards to:
- Color - we can match or create new colors
- Legends - text size, legend line, from/to info
- Material - we can help you find the material best suited for your application

AIM Mobile Technology

Upgrade your identification with AIM (Asset Information Management) Technology, a user-friendly asset and document management application built for safer more efficient operations. AIM allows you the ability to access critical documents and data, as well as perform procedures associated with the asset simply by scanning AIM Identification in the field.
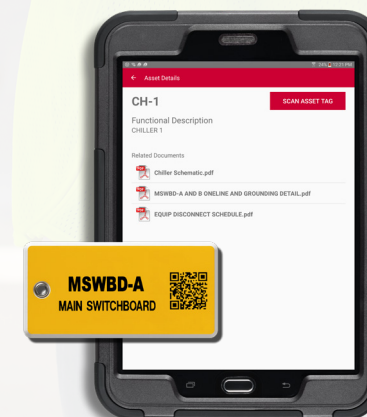
Material Take-Off Service

Our Material Take-Off Service lowers in-place costs and provides added value. This service is designed for a wide range of electrical projects in healthcare, government, public safety, medical, education, and telecommunications facilities. Working with us from the beginning saves project managers time they would otherwise spend creating a list of identification products.

Pack-By Service

As an added value to our Take-Off Service, we will also package your materials per your specification using our Pack-By Service. This allows materials to be packaged in a way that eliminates sorting and saves you time and money during installation. Orders can be packaged by any specification required, including: building, floor, room, material type, application. Available labels for Pack-By Service include:

- Nameplates
- Conduit and Cable Tray
- Cable and Wire Markers
- Circuit Identification
- Wiring Devices (switch and receptacle cover plates)
- Warning and Arc Flash

Our Pack-By Service can also include Pack-By Binders. With Pack-By Binders, all your electrical labels will arrive in a binder that has been pre-sorted to your specifications prior to delivery. Use for wire markers and circuit or custom labels.

Binders are labeled by the specified sorting logic for easy storage and identification of application

MS-215 Nameplates

- High-performance nameplates provide excellent UV and chemical resistance
- Flexible or rigid material available
- Complete printing flexibility – each unique nameplate can include multiple lines of text, equipment number, operation and maintenance instructions, safety precautions, or other critical asset information
- Available with adhesive or grommets
- Custom colors, sizes, and legends available

Engraved Plastic Nameplates

- Engraved legend provides high contrast between letter color and background color for easy visibility
- Excellent for in-house maintenance programs, building graphics, and door signs
- For indoor and outdoor applications
- Standard nameplates are engraved on ¹⁄₁₆″ plastic with mounting holes or adhesive backing [⅛″ thick, 3 ply also available]
- Custom colors, sizes, and legends available

Stainless Steel Nameplates

Stainless Steel Nameplates are designed to withstand frequent wash downs or chemical cleanings, machinery that runs at high temperatures, and highly corrosive or caustic environments. This makes them an excellent choice for electrical labeling in harsh operating environments such as ammonia facilities, offshore rigs, and power generation. The black text is engraved for visibility as well as durability.

- Can be used indoors and outdoors
- Black engraved text
- Custom sizes and legends available

MS-478 Nameplates

MS-478 Nameplates are ideal for recording equipment information and settings with easy-to-read legends.

- Made from 2 mil. thick polyester
- Add UV Overlaminate for outdoor use
- Custom colors, sizes, and legends available
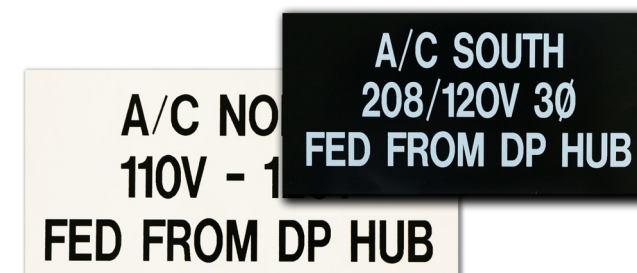
MS-900 Self-Adhesive Conduit & Cable Markers

MS-900 Self-Adhesive Conduit & Cable Markers are designed for labeling conduit, panel boxes, circuit breakers, and connections to equipment.

- Black text on orange labels provide a highly visible warning of potential electrical hazards
- MS-900 self-adhesive material insures a durable, long lasting indoor marker
- Custom legends and colors available
- NOTE: ½" x 2½" labels are supplied/priced ten markers per sheet

120 VOLTS

110 VOLTS

MS-970 Coiled Conduit & Cable Markers

MS-970 Coiled Conduit & Cable Markers are designed to eliminate the confusion of tightly packed conduit and cable. The coiled design allows them to quickly snap around conduit or cable, clearly identifying voltages or functions. The durable material allows for maximum life in an indoor environment.

- Indoor use only
- No adhesive necessary

THREE PHASE

120/208 VOLTS

Style	Diameter
A	½" - 1"
B	1⅛" - 2¼"
C	2⅜" - 3¼"
D	3⅜" - 4½"
E	4⅝" - 5⅞"

Self-Laminating Wire Markers

Self-laminating wrap around wire and terminal markers are premium outdoor grade clear material with an acrylic pressure-sensitive adhesive. They are used to provide branch circuit or feeder numbers for power and lighting circuits and system color-coding.

- Can be pre-printed in custom colors including clear
- Text height based on wire size
- Markers come in sheets
- Quantity of markers per sheet dependent on size

G-IN24 Generator G-4 G-4: First Out

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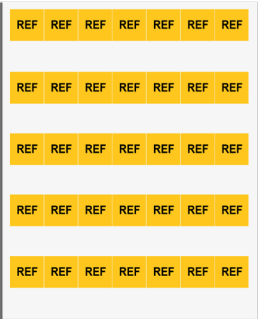
Heat Shrink Wire Markers

Wire and terminal markers are designed to provide branch circuit or feeder numbers for power and lighting circuits and system color-coding.

- Installation can be done with any heat gun
- Standard marker color is black on white
- Custom colors and legends available

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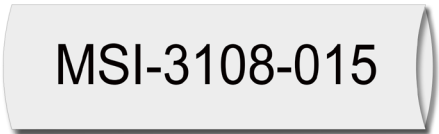
MS-900 Self-Adhesive Vinyl Box Labels

MS-900 labels are constructed using 4-mil thick premium grade thermoplastic film with permanent acrylic pressure sensitive adhesive. Designed for a wide variety of substrates and can be used for many general electrical labeling needs.

- Add UV Overlaminate for outdoor use
- Designed for smooth, flat surfaces
- Can be furnished individually or pre-cut in sheet form

CRITICAL **FIRE ALARM** **LIFE SAFETY** **EQUIPMENT**

MS-970 Coiled Data Conduit & Cable Markers

Ideal for data centers, MS-970 Coiled Data Conduit & Cable Markers are designed to efficiently and effectively mark, organize, and control the complex conduit found in data transmission, telecommunications, fiber optics, CATV, and electrical systems.

- Semi-rigid coiled markers wrap completely around conduit and remain secure without the use of adhesives
- They can be produced with or without text and with multiple color bands in a variety of custom widths
- Available in a wide variety of colors and color combinations to accommodate any project specification

Style	Conduit Diameter	Marker Width	Pieces per Stick
A	½" - 1"	2"	4
B	1⅛" - 2¼"	2"	4
C	2⅜" - 3¼"	2"	6
D	3⅜" - 4½"	2"	6
E	4⅝" - 5⅞"	2"	6

MS-995 Coiled Data Conduit & Cable Markers

MS-995 Coiled Data Conduit & Cable Markers are an excellent choice in harsh indoor or outdoor environments. These coils use color and/or text to communicate important information regarding service, end-user, or origin of conduit.

- Coils are sized to fit completely around the circumference of the conduit and adhere to themselves
- Constructed of a polyester film with UV Overlaminate, these markers provide maximum protection from UV and chemical exposure

Style	Conduit Diameter	Marker Width
A	Up to 1"	2"
B	1" - 2"	2"
D	2½" - 4"	2"
E	4½" - 6"	2"

Stainless Steel Conduit & Cable Markers

Engraved Type 316 Stainless Steel Conduit & Cable markers are designed for the highly corrosive environments of pharmaceutical manufacturing, petrochemical facilities as well as other harsh environments. Cable markers are strapped on to cable using stainless steel or nylon strapping.

Plastic and Stainless Steel Switch & Cover Plates

Plastic and Stainless Steel Switch & Cover Plates can be engraved and color filled providing the ideal option for identifying important circuits such as those connected to emergency backup power. Customized switch plates take the mystery out of your switches by identifying critical electrical information based on your specifications.

- Multiple lines of text available
- Engraving allows for a wide variety of font choices
- Text height optional (height based on number of characters and available space)
- No minimum quantity
- For stainless steel engraved plates, our service leaves a tactile finish to the cover plates. In the event of a fire, plate identification is still legible
- We can supply plates or work with your existing ones

MS-900 Self-Adhesive Vinyl Device Labels

MS-900 Vinyl Device Labels are perfect for identifying important circuits and can also be used for any general electrical labeling need.

- Add UV Overlaminate for outdoor use
- Can be furnished individually or cut in sheet form
- Can be packaged in our Pack-By Binders

Panel Board Directory

We will use your final drawings to create comprehensive Panel Board Directories, saving you time, and ensuring accuracy.

- Available in variety of materials or standard print

MS-900 Self-Adhesive Arc Flash Labels

MS-900 Self-Adhesive Arc Flash Labels are designed to mark switchboards, panel boards, industrial control panels, meter socket enclosures, and motor control centers that require either examination, adjustment, servicing, or maintenance while energized.

- The labels are made of premium grade material with an acrylic pressure-sensitive adhesive
- Labels can be preprinted with custom information provided by the customer. Customer must provide PDF artwork created to size.
- Labels comply with NFPA 70E, NEC Section 110 and OSHA safety requirements
- Add UV Overlaminate for outdoor use
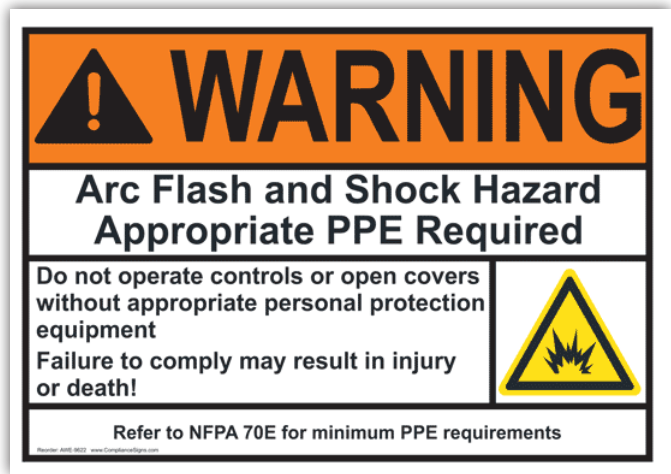
MS-478 Self-Adhesive Arc Flash Labels

These premium labels are custom printed with the information and safety header for your specific application. All labels include a safety header and alert symbol. Other information can include incident energy (cal/cm2), hazard category, PPE required and boundary distances. These labels comply with the NFPA, NEC, and OSHA requirements.

- Made of pre-printed 2 mil. thick polyester
- Add UV Overlaminate for outdoor use
- Labels can be pre-printed with custom information provided by the customer. Customer must provide PDF artwork created to size
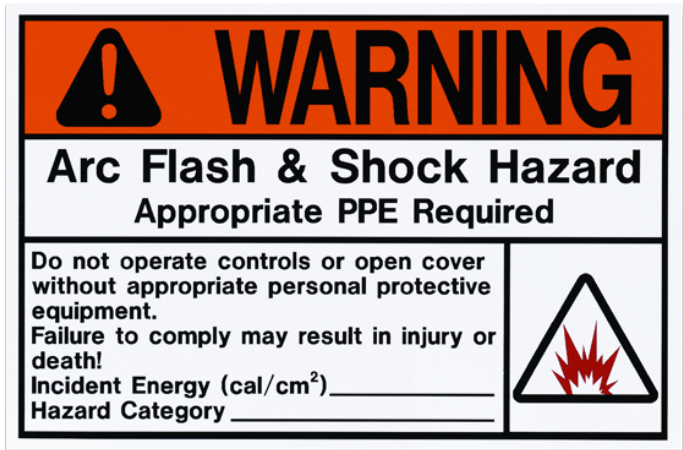
MS-264 Engraved Plastic Cable Markers

Ideal for labeling electrical cables in control panels, these markers display engraved legends that are easily legible. They are designed with a matte finish, beveled edges, and notches for secure installation using standard 50lb cable ties.

- Engraved plastic material has excellent resistance to harsh environments
- Can replace phenolic material
- Custom sizes, colors, and legends available
- Electrically non-conductive engraved plastic available

MS-215 Cable Tray Markers

These cable tray markers are constructed of printed graphics sealed between layers of chemical resistant plastic. The durable material provides excellent resistance to harsh environments.

- Flexible or rigid material available
- Excellent resistance to UV exposure, abrasion, water, and harsh chemicals
- Flexible material is able to be mounted on curved surfaces
- Custom sizes, colors, and legends available

MS-478 Cable Tray Markers

MS-478 Cable Tray Markers are the ideal solution for identifying smooth sided cable trays. Add UV Overlaminate for maximum protection against UV exposure and chemicals.

- Self-adhesive
- Easy installation with minimal surface preparation
- Custom sizes, colors, and legends available

MS-900 Self-Adhesive Cable Tray Markers

These markers are designed to allow you to label and identify junctions, branches, and trays leading to equipment. The self-adhesive material conforms to the shape of your tray and is easily applied with minimal preparation. Add UV Overlaminate for maximum protection against UV exposure and chemicals.

- Custom sizes, colors, and legends available

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