
MiTek®

SERVICE BULLETIN

Document ID:

SB181

Title:

Installing Restricted Zone Tape

Affected machinery: All Equipment

Distribution: Customers upon order or machine installation

CAUTION:

MiTek recommends printing this document in high resolution using color ink. Many of the graphics may be unclear and may create an unsafe condition if this recommendation is not followed.

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Purpose and Scope

Restricted zone tape is now available for placement around machinery, as a convenient alternative for paint lines commonly used for marking danger/safe areas on the floor. It is highly recommended that you place this tape around all MiTek machinery. This Service Bulletin provides instructions for properly installing the restricted zone tape.

Overview

Parts Included

There are several kits available, depending on how many rolls of tape are needed. Please ensure all parts are present before starting this procedure.

Table 1: Parts in SB181KIT-A

Qty.	Part Description	Part #
1	Service Bulletin 181	SB181
1	Restricted zone tape, 100 yd	691900

Table 2: Parts in SB181KIT-B

Qty.	Part Description	Part #
1	Service Bulletin 181	SB181
2	Restricted zone tape, 100 yd	691900

Table 3: Parts in SB181KIT-C

Qty.	Part Description	Part #
1	Service Bulletin 181	SB181
3	Restricted zone tape, 100 yd	691900

Table 4: arts in SB181KIT-D

Qty.	Part Description	Part #
1	Service Bulletin 181	SB181
4	Restricted zone tape, 100 yd	691900

If you have any questions, call MiTek Automation Support at 1-800-523-3380.

Supplies Needed

Table 5: Customer-Supplied Items



Broom	Mop
Tape measure	Chalk or grease pencil
Bucket of water and detergent	Chalk line



Procedure

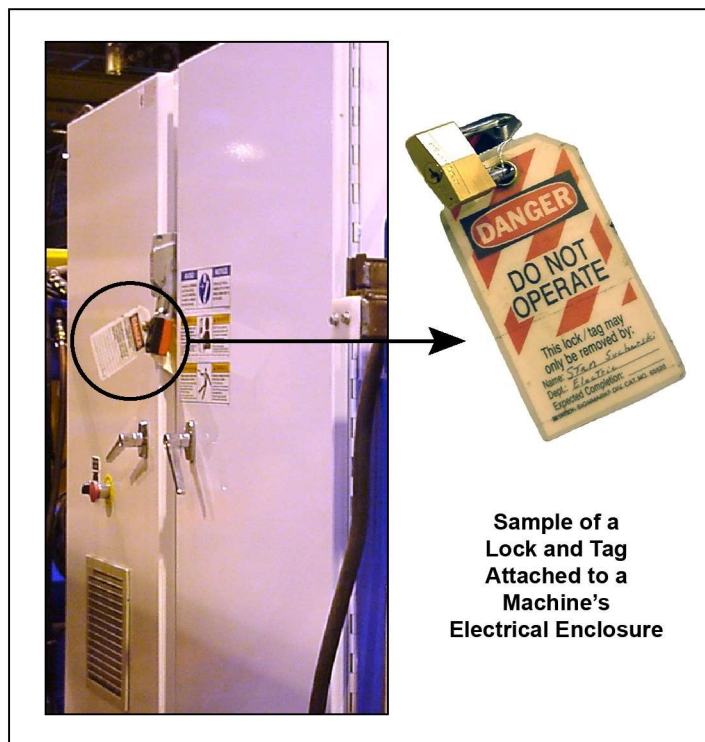
Electrical Lockout/Tagout Procedure





	 WARNING
	<p>ELECTROCUTION HAZARD.</p> <p>All electrical work must be performed by a qualified electrician.</p> <p>Verify that all power to the machine has been turned off and follow approved lockout/tagout safety procedures before performing any maintenance.</p> <p>If it is absolutely necessary to troubleshoot an energized machine, follow NFPA 70E for proper procedures and personal protective equipment.</p>

1. Engage an E-stop on the machine.
2. Turn the disconnect switch handle to the Off position.
3. Attach a lock and tag that meet OSHA requirements for lockout/tagout to the electrical service entry panel.
4. Open the door to the enclosure to which you need access. Using a multimeter, verify that the power is off.

Figure 1: Lockout/Tagout on the Main Electrical Enclosure




Pneumatic or Hydraulic System Lockout/Tagout Procedure

	 WARNING
	<p>HIGH PRESSURE HAZARD.</p> <p>Bleed pneumatic lines before performing any maintenance on the system.</p> <p>Working on pressurized lines may cause injury.</p>

1. After lockout tagout of the electrical power, turn off or close the system's air shut-off valve and attach a lock and tag.

Cleaning the Floor

	NOTICE
	<p>The floor must be smooth and clean where the tape is applied! These instructions must be followed for the tape to adhere properly.</p>

Before installing the restricted zone tape, you must clean the floor thoroughly to ensure the adhesive properly sticks to the floor. This tape is designed for industrial use and will last for years, but only if applied properly.

1. With power locked out as previously described, sweep the floor around the machine where the tape will be applied. Refer to your layouts if applicable.
2. Run a scraper over the floor to remove any old residue, etc.
3. Mop the floor where the tape will be applied using warm water and a mild soap or cleaning solution.
4. Wait for the floor to dry completely before continuing the procedure.
5. Use a blower or a clean broom to do a final removal of dust immediately before applying the tape.





If you were provided layouts, refer to the layouts for a visual representation of tape location.

If a layout does not exist for your equipment, read the instructions here carefully.

Marking Tape Location

1. With power locked out as previously described, begin at a corner of the machine on one end, and measure outward three (3) ft.
 - If marking around a stacker, measure outward 3 ft from the back of the stacker arms if the stacker arms are down, or 18 ft with them up. Measure outward to each side 3 ft beyond the end of the longest truss you intend to build.
 - If marking around a gantry, run the gantry to one end of the line and mark outward 3 ft from the gantry platform.
 - If marking around a piece of equipment that does not have a layout included at the end of this Service Bulletin, mark outward 3 ft from the machine.
2. Make a mark on the floor at the proper location.
3. Repeat steps 1 and 2 for each corner of the machine.
4. Using a chalk line, make a line on the floor that connects the marks made in steps 2 and 3.

Placing the Tape

1. With power locked out as previously described, peel the backing off of the end of the tape.
2. Place the end of the tape with the wording facing out at an outside corner of the chalk line. Make sure that the tape does not touch any chalk dust.
3. Press the tape firmly onto the floor. Ensure all bubbles and wrinkles are out to get the best adhesive retention.
4. Continue to remove the backing, unroll the tape and press it firmly onto the floor until the entire perimeter has been marked with tape.
5. Remove the lockout/tagout devices and restart the machine.
6. Train all employees who work in the facility to stay outside the tape when the machine is operating.

END OF SERVICE BULLETIN



Gloves recommended while pressing the tape.