

MiTek
Machinery Division

Service Bulletin

Machinery Affected: All Equipment, Including:
Roof Gantries, Stackers, Saws, Stand-Alone
Conveyors, Finish Rollers, and Wall Panel
Cranes

Document: SB181

Title: Installing Restricted Zone Tape

Distribution: Customers, Upon Order



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Applicability	All Equipment, All Ages
Effectivity	All

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 gantries, stackers, saws, Stand-Alone Conveyors, Finish Rollers, and wall panel cranes.

This Service Bulletin provides instructions for properly installing the restricted zone tape.

Overview

There are several kits available, depending on how many rolls of tape are needed.

The parts included in these kits are shown in Table 1 through Table 4. 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: Parts in SB181KIT-D

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



Before beginning the procedure, gather the supplies listed in Table 5. Ensure you allow enough time for the floor to thoroughly dry before applying the tape.

Table 5: Customer-Supplied Items


Qty.	Part Description
1	Broom
1	Mop
1	Bucket of water with suitable detergent
1	Tape measure
1	Chalk or grease pencil
1	Chalk line

If you have any questions, call MiTek Machinery Division Customer Service at 800-523-3380.

Procedure




Electrical Lockout/Tagout Procedures

WARNING	
	<p>ELECTROCUTION HAZARD!</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>All electrical work must performed by a qualified electrician.</p> <p>If it is absolutely necessary to troubleshoot an energized machine, follow NFPA 70E for proper procedures and personal protective equipment.</p>

Before performing maintenance on any machine with electrical power, lockout/tagout the machine properly. When working on a machine outside of the machine’s main electrical enclosure, not including work on the electrical transmission line to the machine, follow your company’s approved lockout/tagout procedures which should include, but are not limited to the steps here.

1. Engage an E-stop on the machine.

- Turn the disconnect switch handle on the machine’s main electrical enclosure to the “off” position. See Figure 1.


WARNING	
	<p>ELECTROCUTION HAZARD.</p> <p>When the disconnect switch is off, there is still live power within the disconnect switch’s enclosure. Always turn off power at the building’s power source to the equipment before opening this electrical enclosure!</p>

- Attach a lock and tag that meets OSHA requirements for lockout/tagout.

Figure 1: Lockout/Tagout on the Main Electrical Enclosure



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>



Broom

Mop

Bucket

Mild soap

Tape measure

Chalk or grease pencil

Chalk line

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. Sweep the floor around the machine where the tape will be applied. Refer to your layouts and the graphic on xx for approximate tape locations.
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 layouts are included at the end of this document that cover your equipment, 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. Beginning at a corner of the machine on one end, 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.



The person pressing the tape to the floor may want to wear gloves.

Placing the Tape

1. 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