MiTek®

SERVICE BULLETIN

Document ID:

SB289

Title:

BLADE II Safety Controller Conveyor E-Stop Update

Affected machinery: BLADE II™ Saw

Distribution: All customers with affected machinery

Sensitivity: Approved for customer use

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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Orig. Approved By	R. Tucker

Purpose and Scope

MiTek has determined that the BLADE II Auto Deck chain conveyor and Incline Conveyor belt will continue to run for approximately 7 seconds after an E-stop is activated. This issue can be addressed with an update to the Safety Controller program.

This service bulletin instructs how to update the Safety Controller program using the supplied Banner SC-XM3 USB drive that has been preprogrammed with the corrected program.

Overview

Parts Included

The parts included in this kit are shown in Table 1. Please make sure all parts and supplies are present before starting the procedure.

Table 1: Parts in SB289KIT

Quantity	Description	Part #
1	Banner SC-XM3 USB drive (preprogrammed)	92616-501
1	Service bulletin document	SB289

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

Procedure

	⚠️ **WARNING**
⚡	**ELECTROCUTION HAZARD.** **All electrical work must be performed by a qualified electrician.** **If it is absolutely necessary to troubleshoot an energized machine, follow NFPA 70E for proper procedures and personal protective equipment.** **Pneumatic and hydraulic components may move unexpectedly if not de-energized. Physically restrain any components capable of movement when working on or near those components.**

Programming Safety Controller

1. Power on the saw. Instruct all personnel to not interact with or stand near the saw while maintenance is being conducted.

2. Facing the electrical enclosure at the rear of the saw, open the left door. The location of the safety controller is shown in Figure 1. It may take a brief amount of time for the safety controller to finish booting.

Figure 1: Safety Controller Location (Left Enclosure Door)

3. Insert the supplied USB drive into the MicroUSB port on the front of Safety Controller XS26-2de module.
   - USB diagnostic light will turn red
   - Power/Fault Light will flash with **System Lockout** fault displayed

Figure 2: Safety Controller with USD Drive Installed

4. Press **OK** button to return to **System Status** screen. The controls shown in Figure 3 will be used through the instructions.

Figure 3: System Status and Controls
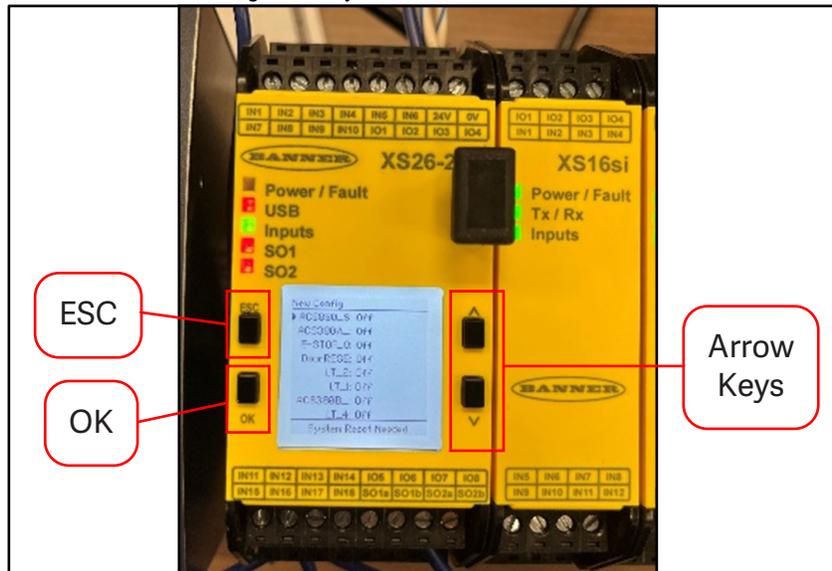
5. Press **ESC** button to open **System Menu**.
6. Use Arrow buttons to highlight **Configuration Mode.**

7. Press **OK** button to navigate to the **Password** Screen.

8. Enter the password **1901** using the follow steps**:**

    a) Use the arrows buttons to change the highlighted digit, Press **OK** button to change the digit

    b) When password is entered, HOLD the **OK** button to confirm the password.

9. Press **OK** button to continue from the warning message.

10. Use Arrow buttons to highlight **Import from XM.**

11. Press **OK** button.

12. Use arrow buttons to highlight **Configuration**.

13. Press **OK** button.

14. Wait for screen to show **Exited configuration mode**.

15. Remove the USB drive from the front of the module and set it aside.

16. Turn the main electrical enclosure disconnection switch to the off position (Figure 4) and wait approximately 5 seconds.

Figure 4: Disconnect Switch In Off Position

17. Turn the disconnection switch to the on position to restore power.

18. Wait for Safety control to boot up and confirm there are no active controller faults.

    • E-stop faults may be present but should reset under normal saw operation.

Test Procedure

1. Start the BLADE software.

2. Go to **Diagnostics** > **Detailed Diagnostics** > **Machine** and select **On** (under Waste Conveyor) to start the Waste and Incline Conveyors.

3. Activate any E-stop.

4. Verify that Incline Conveyor shuts off instantly.

5. Release the E-stop and press the Reset button on the operator interface to return to normal operation.

6. After successfully completing the test procedure, discard the safety controller USB drive.

NOTICE
The USB drive must be discarded after use! Do not attempt to use it with other MiTek machinery.

7. Send a message to MiTek Support (dawood.bagheri@mii.com) with your machine frame number and a confirmation that safety controller update is complete.

   The frame number can be found on the infeed end of your saw as shown in Figure 5.

Figure 5: BLADE II Frame Number Example

END OF SERVICE BULLETIN