

## Lotem 800

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## DDB-1N Software Loading and Start Up

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### Description

The correct method for loading DDB-1N software and subsequent startup procedure. This procedure is in response to increased service calls associated with DDB failures in the field.

### S/W Loading and startup procedure

- Make sure that the L-BOX main power switch is on.
- Open the application and make sure that the machine is in ready mode.
- Open the DDB dialog box under **Hardware/Boards/DDB card**.
- In the DDB dialog box press the **Connect** button.
- Make sure that the status is **Open O.K.** (Checks communication to DDB).
- In the DDB dialog box, press the **Send all** button and wait about two minutes.  
At the end of operation, the following error message appears: **DDB card returned illegal buffer length (opcode 83 returned 0 expected 2 to 2)**. The machine will be in **ATTENTION** mode.

**Note:** This error message will not appear in version 3 and up.

- Close the DDB dialog box.
- Open the Lotem 800 rear door using the application. Wait a moment for the solenoids to release and then go to the Lotem. Close the door and return to the application. .
- Under **Hardware/Boards/DDB card** open the DDB dialog box again.
- Press the **Connect** button in the DDB dialog box.
- Under the **DDB status** box, select **FPGA status register – 0**.  
If the S/W loading and startup is O.K the status of the register should be: **000 FF FF F7 F7**.
- If a different status appears, repeat the procedure. If the procedure fails again, replace the DDB board and repeat the procedure.

### Test procedure

- Perform laser calibration and make sure all diodes are calibrated.
- Expose a customer job and check laser quality.

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