

420T Electronics

E-stop string is now separate and not through the I/O board.

The cover interlocks are through the I/O board. There is a dual loop with 2 switches at each sensing point. 1 loop is like the older machines 24 to 25. New loop is 49 to 50 of I/O board. The bypass jumpers at I/O connector have the 24-25 as in old units and an added one for 49-50.

Both must be on or off for proper E-stop module operation.

Module	Description	Condition
I/O-1	Feeder	Normally off from factory
I/O-2	Folder/Accumulator	Normally off from factory
I/O-3	DC Power	Normally off from factory
I/O-4	Exit Conveyor	Normally off from factory
I/O-5	Keyboard	Not through board - Leave on!
I/O-6	Accumulator	Now part of Folder loop - Leave on!
I/O-7	Inserter E-stop	Not through board - Leave on!
I/O-8	Cutter	Jumpered on board - No pins
I/O-9	Ink Mark	Jumpered on board - No pins
I/O-10	Not Used	No condition

How machine is shipped

438 V4 I/O Board Interlock Jumpers

Board has two sets of jumpers for dual interlocks - Pin 24 to 25 and 49 to 50

Module	Description	Action
I/O-1	Feeder	Remove both sets
I/O-2	Folder/Accumulator	Remove both sets
I/O-3	DC Power	Remove both sets

Jumping both module #3 sets bypasses on all interlocks, except external loop Cutter, Stitcher, Auxiliary and Inserter.

I/O-4	Exit Conveyor	Remove both sets
I/O-5	Keyboard	Leave on!
I/O-6	Accumulator	Leave on!
I/O-7	Inserter E-stop	Leave on!
I/O-8	Cutter	Unused
I/O-9	Ink Mark	Unused
I/O-10	Not Used	Unused

To Update Software With Upgrade Floppy Disks

Turn off and power down machine

Insert upgrade "bootable" floppy disk into drive

Power on machine

Machine will boot from floppy disk - run the machine using only the program from the disk first before downloading the new version to the hard drive in case of failure. If the program is acceptable then continue with the following steps to download the program to the hard drive.

on main screen choose "Setup"

on setup screen choose "Engin values"

enter password "4444"

on engineering values screen near top right side button "copy A: *.exe to C:"

it will ask "Are you sure?" press button again

wait until copy complete

then press "ok"

then press "Run"

turn off and power down machine

remove floppy disk from drive

New software version will appear at the top of the screen in place of the old one.