

You will now be given a video tour. The first video is about the laser marking described previously. Laser marking is the process whereby each individual board is marked with a serial number.

Other companies do not generally mark a serial number on each individual board, or they do so but employ the old method of using a sticker with a printed barcode. We employ the technique of highly detailed laser marking to achieve a more detailed board and save board area space. On top of that, we clean the board using board cleaner, and perform solder printing and print inspection as described previously. The beginning of this video shows about three lines, but you will notice that there are only two or three workers.

Whereas other companies have two or three workers per line, we have two or three workers for three lines. In other words, you will see that our aim is for one line to be operated by one operator to save manpower.

-Video playback- (1 minute 20 seconds)

There are very few workers. You are looking at three lines. This is laser marking. Please look at the right side of this board. A laser beam was just emitted. Again, another laser beam was emitted. At the place pointed to afterwards, a QR barcode is marked where originally there was nothing. Next, the board is cleaned with air. This is solder printing. Please look at the printing movement. When the solder paste is inserted into the parts where holes have been made, it penetrates into the holes. Solder is put on the board in this state, and the machine you see on the right side of the printer at the center of this still image is the printing inspection machine. The inspection image is displayed on the monitor of this inspection machine, and a judgment is made automatically by inspecting this inspection image from various angles.