How to setup my pick and place machine

1. Check website for additional documents https://www.smallsmt.biz/software-v2/
2. Download the software V2, manual V2 and the VP Maintenance manual from our website download area. (password = fluxgate2016)
   http://www.smallsmt.biz/downloads/
3. Follow software setup instructions from manual. If machine has HD cameras download Mindvision software too and execute as administrator before connecting machine ore cameras.
4. Run the installer and if needed the Microsoft visual C runtime and the USB to serial converter drivers before plugging in the USB communication port.
5. Do not use cascaded USB hubs to connect USB cameras!
6. Connect the security key and the video digitizer(if no HD camera system) to your PC USB port the driver installation uses standard windows drivers. The security key is a HID device called ET99.
7. Copy the configuration files from the DVD software folder to your install folder on the PC. Copy the "config.ini", "config_feed.fig" ,"config_nozzle.fig" and "config_camera.fig" from your CD to update your machine calibration files.
8. If HD cameras used follow instructions from https://www.smallsmt.biz/hd-camera-setup/
9. Do not use the winders or motors as handle if you carry the machine!
10. Remove all transportation fixes
11. Move the push feeder heads in the middle
12. Check all connectors if they are loose
13. Check the screws outside the machine especially the screws fixing the winders if they are fastened.
14. Apply compressed air using the blue tube on the left rear side using the fast connection.
15. Connect the power cable and open the security switch in front of the machine.
16. Run the software and connect the machine, start the vision system.
17. If you have "VP-2X00D" belt machine you should check the belt tension and the alignment between X and Y axis refer to chapter 1 -4 of VP Maintenance manual.
18. Check the machine X and Y axis calibration using the VP Maintenance manual chapter 6. Adjust the machine if needed.
19. Start with the feeder setup and feed tape and put the clear tape in the winder. Align the tractor hole near the front spring and run automatic feed. Check the push feeder needle position and adjust if necessary.
20. Move the top camera to the feeder pick up position and adjust the center. Take over the position inside the feeder dialog using the CX and CY button.
21. Select the package and add the part name. The system takes over all parameters from the package database. If you use plastic tapes it could be necessary to adjust a local Z-height because the parts lay deeper inside the pockets.