

## Technical Note

<b>Date:</b>	Tuesday, 9 June 2020
<b>Applicable Equipment:</b>	Tintmaster Dispensers (TM280 / TM300)
<b>Subject:</b>	Start-up process following a prolonged idle period

This is a guide to help prepare the Tintmaster Dispensers (TM280 / TM300) to normal operation after a prolonged period of non-use.

Before trying to dispense colorant, please follow the steps below:

### Tools

- Paper towel / cloth / wet wipes for cleaning and/or to remove dried colorants
- 10 mm socket (to remove the side panels)
- Anti mould spray if appropriate
- Gloves and/or any other personal protective equipment recommended by site, employer, etc.

### Procedure

1. Press E-Stop button on the dispenser
2. Check if the brush is clean, and that there is correct amount of cleaning liquid (water / solvent) in the brush container
3. Open the canister lid one by one and check the colorant condition. If colorant is hardened, thickened or mould has grown, take appropriate actions. You may need to contact the colorant supplier / paint supplier for further instructions
4. Take off the side covers of the machine, and
  - a. Visually check the valve wiper and nozzle one by one.
    - i. Check to ensure the valve is returning to cover the nozzle. If not, the valve spring and/or wiper pad may be damaged. Replace them or you may need to consult with your service supplier
    - ii. Check to ensure that the valve wipers are clean. Remove any dried colorants
  - b. Clean the nozzles manually if you suspect colorant may have dried. Take off the nozzle one by one, wash with warm water, and place back onto the pump. **IMPORTANT:** Ensure to place the o-ring back into the nozzle. If o-rings are broken or damaged, you need to replace with new ones.
  - c. Visually check and ensure that each pump disk is in the correct height. You may find some pump disks are raised up, if so, then push them down to the correct height.
  - d. **NOTE:** You may need to close the covers, switch on the machine, turn the turn table to the different position to be able to access all pumps. For safety, close the side covers every time before switching on the machine
  - e. Close the side covers before you proceed to the next step
5. If dispenser is not connected to the power, connect to the power supply
6. Release the E-Stop button on the dispenser
7. Start up the PC if not yet done



**FAST & FLUID MANAGEMENT Australia Pty Ltd** ABN 83 074 886 712  
Box 1066 Unanderra NSW 2526 Australia  
T: +61 (0)2 4271 7111 F: +61 (0)2 4271 7306 <http://asia.fast-fluid.com>

8. Start up the dispenser software (e.g. PrismaPro). This should initialise the dispenser, and turn table should turn one or two times
9. After the initialization, the dispenser will automatically start agitation. If not, start agitation from the dispenser software
10. While dispenser is agitating, open the canister lid one by one and check if the stirrer blades are turning.
  - a. If none of the stirrer is turning, the agitation did not start successfully. You may need to consult with your service contact.
  - b. If some stirrers are turning but others are not, you may need to replace the stirrer pin or take other actions. You may need to consult with your service contact.
11. From the dispenser software, go to the "Fill canister / Refill" option, and check each canister to ensure sufficient amount of colorant is in the canister, and that the software reflects the correct amount.
12. Go to the "Manual Dispense" option of a dispenser software, and dispense about 1ml from each pump. Starting with small amount dispense may be helpful after a long period of non-usage.
13. If you manually cleaned the nozzles in step 4, conduct larger dispense (around 10ml), to eliminate air in the nozzle area.
14. Pay a good attention during the dispensing process, and if error occurs, you may need to consult with your service contact. Also observe the pump nozzle area during the dispenses:
  - a. To see if colorant is dispensed in an angle. If so, clean the nozzle area with a wet cloth / wet wipe etc to remove dried colorants. Test again and ensure that the colorant is dispensed straight down
  - b. To see if colorant drops when the nozzle is opening or closing (as opposed to when the pump is pushing the colorant out of nozzle). If so, it is possible that there is unwanted air in the system. You may be able to eliminate the air by conducting large dispenser (approx. 200ml). Test again and ensure no unwanted drop occurs during valve opening / closing
15. Go to the "Maintenance" option, and conduct "Purge" from each pump. Pay a good attention during this process, and if any error occurs, you may need to consult with your service contact
16. Check again if the brush is clean, and that there is correct amount of cleaning liquid (water / solvent) in the brush container
17. Conduct a formula dispense as a test. Check if all peripherals are working (e.g. label printer, spectrophotometer). If any issues, consult with your product supplier / service contact

