ContinuousLoad for Trendsetter
Planned Maintenance Procedure

Customer:_____ Serial number: _____ Date:_____

SP number:_____ Service Rep:_____

Note: This checklist is specific to the ContinuousLoad function. Refer to the *Trendsetter 400/800 Planned Maintenance Procedure* to perform maintenance on the base device. See the *Maintenance* page in TechPlanet.

Perform this procedure at least every six months on every customer device. Increase the frequency to three months at *high risk* sites.

Schedule regular Planned Maintenance (PM) visits with each customer in your region. When you are unable to honor the scheduled visit, do the PM within a reasonable period from the scheduled time.

PM Servicing Kit

Ship PM kit to site for performing every PM:

PM Kit for Trendsetter® II 400/800 Continuous Load—Base

PM Kit for Trendsetter II 400/800 Continuous Load—Spectrum®

Prior to Starting:

- Check for any needed FCO upgrades, and arrange to have the parts shipped to the site.
- Ensure that you have the current controlled release CD available.
- Obtain permission from the customer to do the preventive maintenance on the system.

Total Time Required: about two hours (plus approximately eight hours for base PM)

An estimated two hours will be needed to do a thorough job. This estimate will increase if a firmware upgrade is required, if FCOs must be installed, or if the PM inspection reveals that the Trendsetter must be repaired.

If possible, work with an operator or maintenance person while doing your work. Explain proper maintenance of the system to them, and point out any lack of weekly maintenance that you notice. Ask the operator about any unusual conditions (noises, and so on) that they might have noticed. Take inventory of any spare parts on site as well as parts that should be returned to Creo.

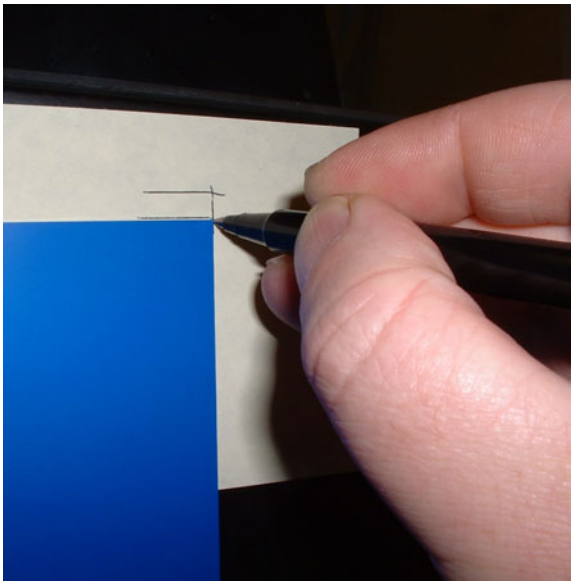
GENERAL MAINTENANCE

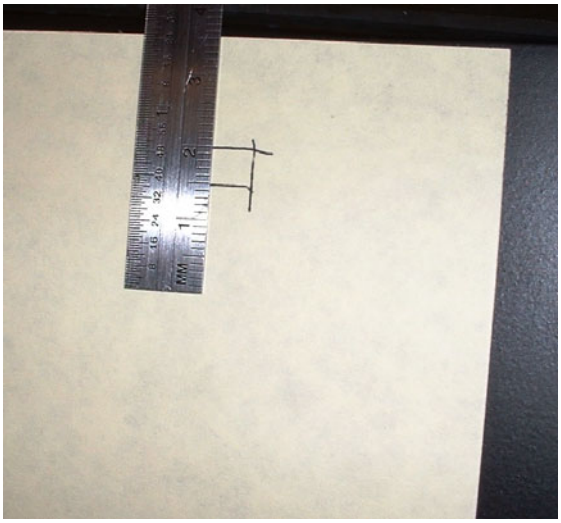
1. Ensure the customer is performing all general maintenance found in the *Maintenance* chapter of the operator manual at the intervals specified.
2. Check for water or oil in the water trap of air filters. If there is a detectable level of contamination in the traps, advise the customer that this is not acceptable. If necessary provide a copy of Creo's white paper on compressors and air systems (750-00006B).
3. Use **`scan bstatus`** to see if any sensors are disabled.
   Repair or replace any that sensors that are disabled and reenable.
4. Check the cap screw that goes through the side plate into the standoff mounting for the upper ramp cylinder.
   These have a tendency to get loose during normal operation.
   If the screws are loose remove them and reinstall using Loctite® 242 adhesive.
5. Check the manual bypass by loading and unloading a plate manually as follows:
   - **`load <`**`plate mainscan mm`**`> <`**`plate subscan mm`**`> manual`**
   - Lower a plate into the LEC.
     Make sure that the plate does not catch on anything as it is lowered onto the drum pins.
   - Press the start button and ensure that the load completes successfully.
   - **`unload manual`**

LOAD TABLE

1. Check the motion of the picker.
   It should move smoothly during travel.
2. Check the plate drop:
   - Use the **`init`** command.
   - Place a plate on the load table. Use the smallest plate the customer normally runs in automatic mode.
   - **`picker pvac on`**
   - **`picker up`**
   - **`picker vac on`**
   - **`picker cups out`**
   - **`picker pvac off`**
   - **`picker`**

- Note the **`picker vac`** level with a plate.
  Vp:_____
- **`edoor open`**
- **`picker down`**
- Mark the position of the top corners of the plate using masking tape and a pen.
- **`picker vac off`**
- Mark the position of the top corners of the plate again.
  The distance between the lines should be 4 mm ± 1 mm.
  Make a note if this must be adjusted. You will adjust the picker stop later.





- Remove the plate.
- **`picker vac on`**
- **`picker`**
- Note the **`picker vac`** level without a plate.
  Vnp:_____
- Using the values Vnp and Vp from the previous step,
  `set mhauto pvacthresh <``(Vp -T Vnp)/2 + Vnp>`

3. Remove the six picker suction cups by removing the hollow screws that they are mounted on.
   Be careful not to lose the thin nylon washer that goes behind the cup. (Two spare washers are included in the PM kit.)
4. Remove the front cover of the load table.
5. Carefully tilt the top of the load table out and disconnect the hoses and cables.

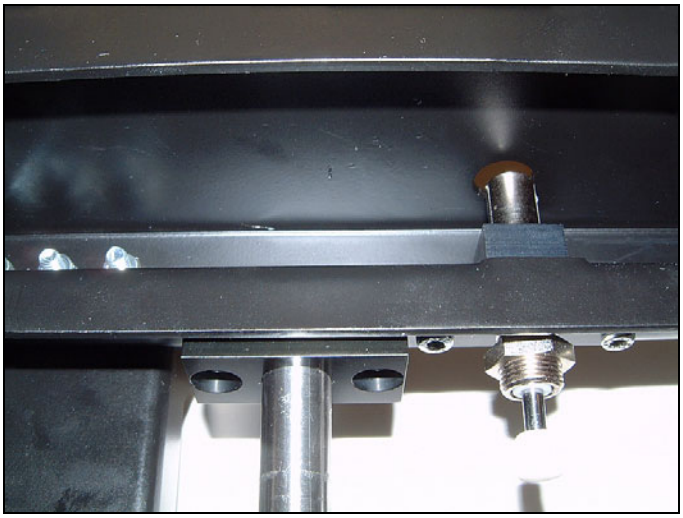
6. Check the rod end bearing in the picker up/down cylinder.

   If it is loose, you must remove the cylinder and reinstall the rod end bearing.

   Note: There is not room for a jam nut on the threaded portion of the rod end, so to keep this from moving, you *must* use permanent Loctite 609.

7. If you have to adjust the picker drop, you must adjust the picker up position.

   To decrease the plate drop, move the stop up; to increase the plate drop, move the stop down.



8. Reinstall the load table cover.
9. Replace the picker suction cups with the new ones from the PM kit.

UNLOAD TABLE

1. Clean the unload table plate sensor with alcohol.
2. For Trendsetters equipped with a rotating unload table, check that the plate is being rotated 90° during the unload sequence:

   - Move the unload table traveler to the rotate position.
   - If the traveler is not square to the unload table, loosen the small jam nut and adjust the threaded rod until the traveler is square.
   - Use **`table rot on`** to rotate the traveler.
   - If the traveler is not parallel to the unload table, adjust the jam nut to correct the rotation.

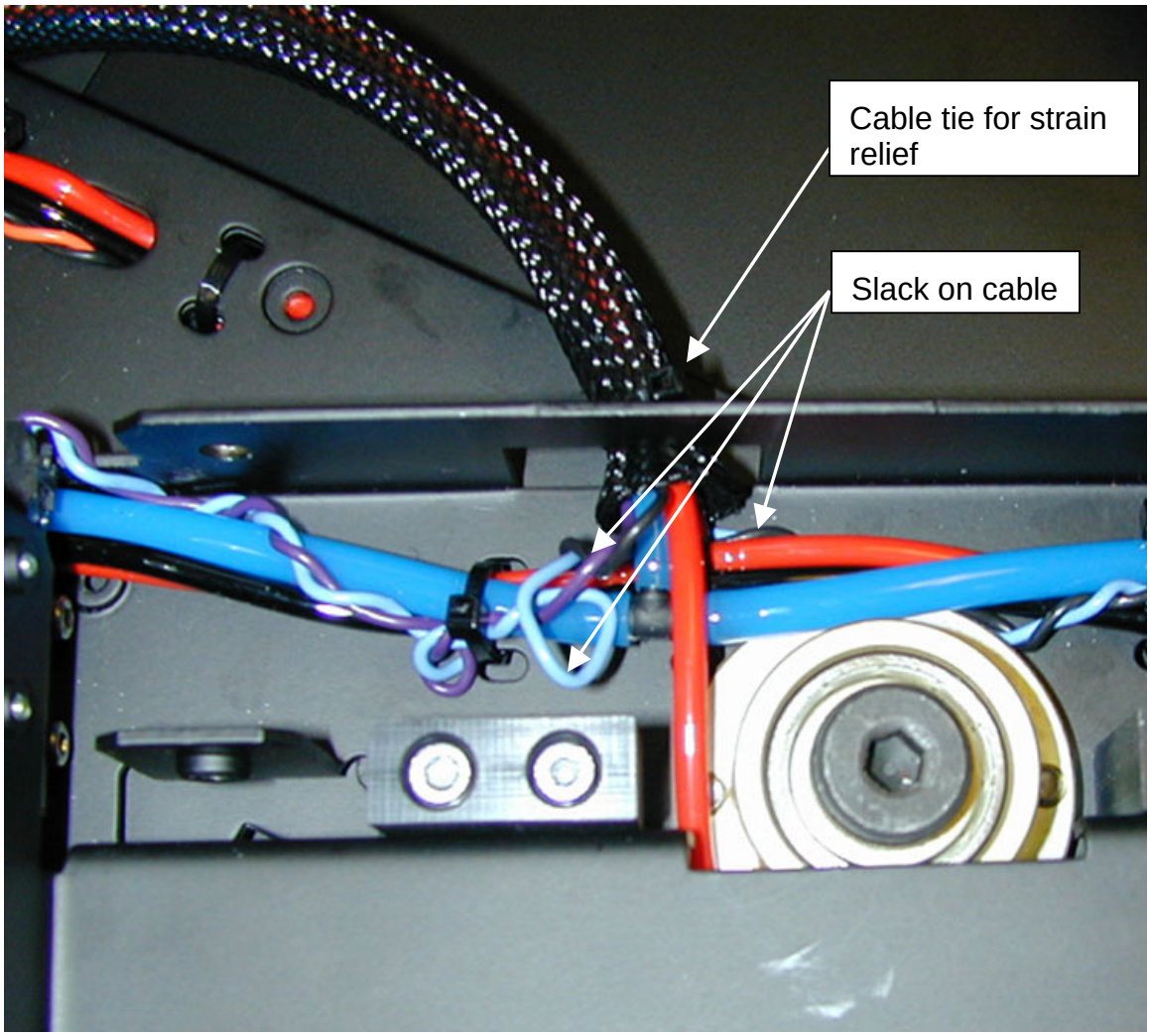
3. Check that plates are centered after rotation. See the *Plate Centering* procedure on TechPlanet.
4. Check the unload traveler belt tension:

- Use **`table move home`** to move the traveler to the Home position.
- Place a 10 mm hex key in the center of the belt.
- Measure the distance between the top and bottom belt.
  It should be 18 mm.

5. Make sure the plate pusher is actuating during unload:
   - Check the **`unload vac`** with and without a plate as you did for the load table.
   - **`SET AL UVT`** to a value halfway between the two values.
6. Check the unload table cups (#55-0541) for excessive wear, brittleness, tears, or flatness. Replace if necessary.
7. Replace the unload cylinder rod ends and clevis pin.
   Grease the clevis pin to reduce wear to the assembly.

   Refer to FCO E100 for more information.
8. Align the bridge panels when the unload table is in the down position:
   - Make sure all panels are in the same plane within 2 mm.
   - Check the gap between the panels.
9. Check the alignment of the unload table with the processor (conveyor).
10. Check that the unload table velocity is slightly slower than the processor speed.
    See the *Adjusting eject speed and distance* procedure on TechPlanet.
11. Check the alignment of the load ramp with the unload table panels:
    - **`RAMP IN`**
    - **`TABLE UP`**
    - Use a ruler to check that both surfaces are on the same plane.
12. Use **`image stats`** to check to see if the total images run exceeds 100,000.

    If this exceeds 100,000:
    - Replace the unload cup cylinders (#550257).
    - Replace unload traveler cable (#103773C non-rotator and #103678C rotator).
    - Ensure that the tables have some slack to prevent the traveler from putting undue stress on the wires. (See the following photo as an example of a correctly installed cable.)


Cable tie for strain relief
Slack on cable