

# TECH TIPS

## Ion-O-Vac Maintenance

Although the Ion-O-Vac is virtually maintenance free, a system of preventive maintenance should be set up to insure maximum efficiency and service life paying particular attention to the following points:

**NOTE: Disconnect and lock out power to the Ion-O-Vac Web or Sheet Cleaning System before performing all maintenance procedures unless otherwise instructed. Turn off web drive equipment and remove web (if possible) before performing maintenance.**

### Vacuum Heads

1. Check the orifice and clean out as necessary. A small stiff brush or a blast of high pressure air should be sufficient.
2. Remove the flex hose connection from the vacuum head assembly and check for any sheets or material that might have been "sucked" inside the vacuum head.
3. The brushes should be cleaned or replaced regularly. The length of time between cleaning and replacement will be dependent primarily on the nature of the material being cleaned. Brush bristles should not be permitted to become stiff with ink or coatings or become excessively dirty.
4. Check the brush setting in relation to the material being cleaned.
5. On Mark IV vacuum heads with a rotary brush, remove side plate and check the doctor blade to insure that it is adjusted correctly. it should engage the rotary brush by 1/32" to 1/16".
6. Check all mounting bolts and tighten as necessary.

### Static Bars

For maximum efficiency, it is essential that the ionizing points located on the inner bar be kept clean. If metal filings or material fragments fall into the static bars, they can short circuit that section of the bar and make it inoperative until the particles are removed. Periodic use of a soft brush or compressed air will prevent the points from accumulating hardened balls of lint, grease and other foreign matter that reduce their sharpness and decrease efficiency.

1. Turn off line power to the power supply before cleaning, removing static bars from the vacuum heads or machine or before breaking any ground connections.

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2. Remove loose particles with compressed air.
3. To remove built-up deposits, press a soft pencil eraser down on the emitter point. Twist the pencil slightly and remove.
4. If particles cannot be dislodged with air or soft pencil erasers, remove the bar, turn the bar face down and tap it. Mount the bar back in position and tighten.
5. Resistant coatings may be removed with Isopropyl Alcohol (without additives) applied with a clean cloth.

**NOTE: Do not pour Isopropyl Alcohol on the bar or soak the bar or any of its components in the alcohol. Do not use any other commercial cleaners or solvents, or parts may be damaged. Dry thoroughly. Do not attempt to scrape the points. The points must remain as sharp as possible for optimum operation. If the points become dull or damaged, the bar must be replaced. Let all alcohol evaporate completely before restoring power to the bar.**

## **Flexible Tubing or Ducts**

1. Ducting should be checked for blow-outs, punctures or other openings.
2. Check for any restrictions or dirt accumulation inside the ducting.