



## **Install Woven Wire Screen Cloth Right The First Time**

New screen cloth must be installed properly to maximize production and wear life. Incorrectly installed cloth will prevent proper tensioning, leading to premature breakage and/or failure. Poor alignment can lead to contaminated product.

### **Follow this installation checklist:**

- ✓ Inspect the crown bar rubber for damage and wear. Replace if necessary. The crown bar rubber needs to be of the same type and height and must cover all of the crown rails for proper tensioning.
- ✓ Check that side clamping rails aren't worn thin, bent, or have curves or "dimples" where the clamp rail bolts come through. Side clamp rails must equal the length of the cloth. If they are longer or shorter than the panel, they will cause uneven tensioning.
- ✓ Check for significant damage to crown bars and screen decks. Is the crown of the deck even? Do all crown bar tops touch the screen cloth? Check crown bar height by laying a string from one hook ledge to another and make sure it touches all crown bar tops.
- ✓ Make sure the screen cloth has the correct outside or inside hook width for the deck. If the screen is too wide and touches the screen box pan side, or it's too narrow with the side clamping rails not seated properly, the cloth won't tension correctly.
- ✓ Remove all material build-up from the hook ledge on the pan side of the screen box and/or the crown bar rubber.
- ✓ When installing the panels, the ends need to fit together tightly to prevent oversize material from passing between the screens. Also make sure the lengths of the screen cloth "tail ends" don't exceed more than 50% of the opening size where they meet. Otherwise the fitted cloths will have oversize openings the width of the screen cloth and will allow oversize material to pass and contaminate the finished product.
- ✓ On side-tensioned screen boxes, position the screen cloth so clearance from the pan side to the hook is even on both sides. Tension it by tightening the bolts intermittently from both sides versus one side at a time.
- ✓ Do an inspection after installation to see that the screen cloth is seated properly on all crown bar tops and the side clamp rails match the length of the screen cloth.
- ✓ Re-check the clamp rail bolt tension at the end of the first shift, and periodically after that.

**At Nepean Rubber our most important goal is to help producers maximize their screening efficiency.**