INSTALLATION INSTRUCTIONS
19.5” x 46” RUNWAY SWEEPER FLAT WAFER SECTIONS

√ Core OD must be 19.46” +/- 0/- .085”
  ○ Undersized cores result in ‘hula hoop’ wafer movement resulting in sheered pins, ring
    breakage and premature filament wear
√ Stand Core Upright
  ○ Ensure support for safety
  ○ Flatten or straighten end plates and secure in one place on the bottom of core
√ Begin Installing
  ○ Position drive pins of each wafer section between the drives on the core
  ○ Install new spacers between every consecutive wafer section
    ■ New spacers are critical to maintain tolerances
√ Build a Balanced Broom
  ○ Locate the colored paint mark on the inside of the wafer ring
    ■ Wafers have been pre-balanced and mark indicates ‘heavy’ point of wafer
  ○ Install next wafer on the core, rotating the position of the mark 90 degrees for every consecutive
    wafer section
  ○ If installing Poly/Wire mixed sets, install one poly wafer with a spacer, between each wire wafer,
    following the same 90-degree pattern. Poly wafers should be the first and last wafers installed
√ Compress the Broom
  ○ Proper compressing ensures no side-to-side wafer movement that will result in possible pin and
    ring breakage and premature filament wear
    ■ Once last wafer is flush with end of core, add extra spacer and Poly wafer followed
    by the broom retainer plate. Use 4-6” long all-thread bolts with extra nuts to compress.
    After compressing replace all-thread bolts one by one with original OEM supplied bolts.
√ Reinstall Core
  ○ To lower and move a refilled core, attach supports directly to the metal sweeper core.
  ○ Do not apply force, pressure or lift to any part of the wafer or filament during the core installation
    onto the sweeper
√ Adjust Sweeping Pattern
  ○ Appropriate pattern is the main determinant of broom life
    ■ Excess pressure will result in FOD and premature broom wear
    ■ Broom patterns should never exceed 6”
  ○ Brooms sweep with the tips of the filament, not the side
  ○ In extreme conditions, operators should slow vehicle speed and increase the broom RPM in order
    to sweep effectively
  ○ When using 13lb wire wafers, reduce sweeping pattern approximately 1”
√ Replace Worn Wafers
  ○ For superior sweeping and FOD control replace wafers when bristle length is >6”