## Very Small Part Tips

These ESD safe Delrin small part tips are ideal manual pick-and-place of SMT packages such as 01005, 0402, small die during rework or prototype manufacturing. Advantages to using this technology over tweezers is three fold. First of all, the single point pick-up eliminates the possibility of damaging the part being handled. Secondly, unlike tweezers the small part tips will not zing parts across the room when gripped improperly. And finally, using these tips over tweezers increases operator ergonomics and productivity.

Note: These tips require a continuous vacuum source like a TV-1000 for proper operation. Safe for temperatures up to $212^{\circ} \mathrm{F}\left(100^{\circ} \mathrm{C}\right)$. ). Always use a tip that is slightly smaller than the part that you want to handle.

VSPT0803-BD Bent, 0.008" (0.203mm) OD x 0.003" (0.076mm) ID VSPT1005-BD Bent, 0.010" (0.25mm) OD x 0.005" ( 0.13 mm ) ID VSPT2010-BD Bent, $0.020^{\prime \prime}(0.51 \mathrm{~mm})$ OD x $0.015^{\prime \prime}(0.25 \mathrm{~mm})$ ID VSPT2515-BD Bent, 0.025" ( 0.64 mm ) OD x 0.020" ( 0.38 mm ) ID VSPT3020-BD Bent, $0.030^{\prime \prime}(0.76 \mathrm{~mm})$ OD x 0.020" $(0.51 \mathrm{~mm})$ ID VSPT4030-BD Bent, 0.040" (1.02mm) OD x 0.030" ( 0.76 mm ) ID VSPT6040-BD Bent, 0.060" (1.52mm) OD x 0.040" (1.02mm) ID VSPT7050-BD Bent, 0.070 " ( 1.78 mm ) OD x 0.050" (1.27mm) ID VSPT8060-BD Bent, 0.080" ( 2.00 mm ) OD x 0.060" ( 1.52 mm ) ID

VSPT0803-SD Straight, $0.008^{\prime \prime}(0.203 \mathrm{~mm})$ OD x 0.003" ( 0.076 mm ) ID VSPT1005-SD Straight, $0.010^{\prime \prime}(0.25 \mathrm{~mm})$ OD $\times 0.005^{\prime \prime}(0.13 \mathrm{~mm})$ ID
 VSPT2010-SD Straight, $0.020^{\prime \prime}(0.51 \mathrm{~mm})$ OD x $0.015^{\prime \prime}(0.25 \mathrm{~mm})$ ID VSPT2515-SD Straight, $0.025^{\prime \prime}(0.64 \mathrm{~mm})$ OD x 0.020" $(0.38 \mathrm{~mm})$ ID VSPT3020-SD Straight, $0.030^{\prime \prime}(0.76 \mathrm{~mm})$ OD $\times 0.020$ " $(0.51 \mathrm{~mm})$ ID VSPT4030-SD Straight, 0.040" (1.02mm) OD x 0.030" ( 0.76 mm ) ID VSPT6040-SD Straight, 0.060 " $(1.52 \mathrm{~mm})$ OD $\times 0.040$ " $(1.02 \mathrm{~mm})$ ID VSPT7050-SD Straight, 0.070 " $(1.78 \mathrm{~mm})$ OD x 0.050 " $(1.27 \mathrm{~mm})$ ID VSPT8060-SD Straight, 0.080" ( 2.00 mm ) OD x 0.060" ( 1.52 mm ) ID


