CLAIMS

1. A method for delivering particles comprising: storing the particles in a particle cassette having a cassette housing and a cassette membrane, wherein the cassette housing comprises an Ethylene Vinyl Acetate (EVA) copolymer of 18% to 28% Vinyl Acetate (VA);

delivering pressurized gas to the exterior of the particle cassette;

rupturing the particle cassette with the pressurized gas; and

accelerating the particles out of the particle cassette with the pressurized gas, wherein greater than 40% of the particles are delivered by the pressurized gas,

wherein the cassette membrane comprises polycarbonate, polyethylene terephthalate, and polyether ether ketone.

2. The method of claim 1, wherein greater than 70% of the particles are delivered by the pressurized gas.

3. The method of claim 1, wherein 40-85% of the particles are delivered by the pressurized gas.

4. The method of claim 1, wherein 60-85% of the particles are delivered by the pressurized gas.

5. The method of claim 1, wherein the cassette membrane is 10 to 30 microns thick.

6. The method of claim 1, further comprising disengaging a safety interlock.

7. The method of claim 1, further comprising accelerating the particles out of the particle cassette with the pressurized gas through a silencer.

8. The method of claim 1, wherein the cassette membrane is composed of 1/3 polycarbonate, 1/3 polyethylene terephthalate, and 1/3 polyether ether ketone.