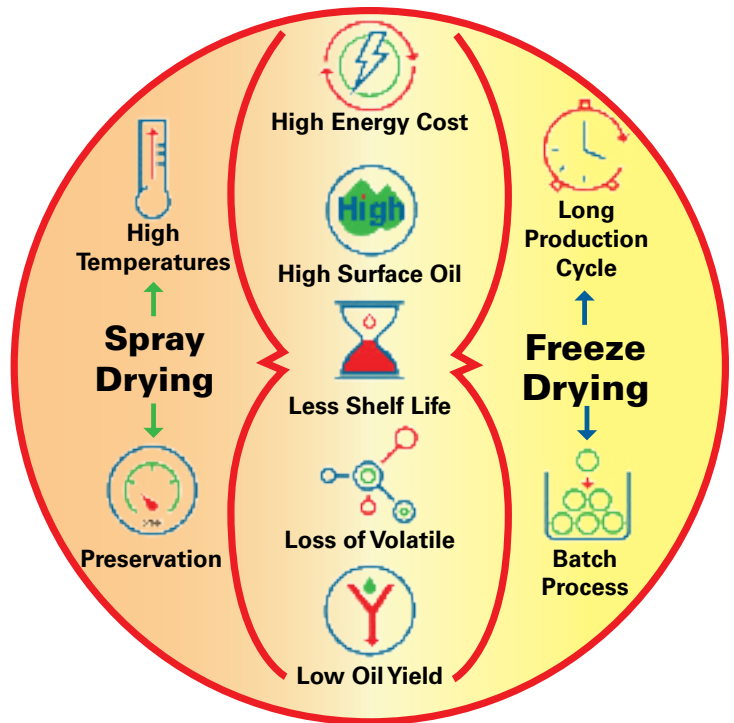
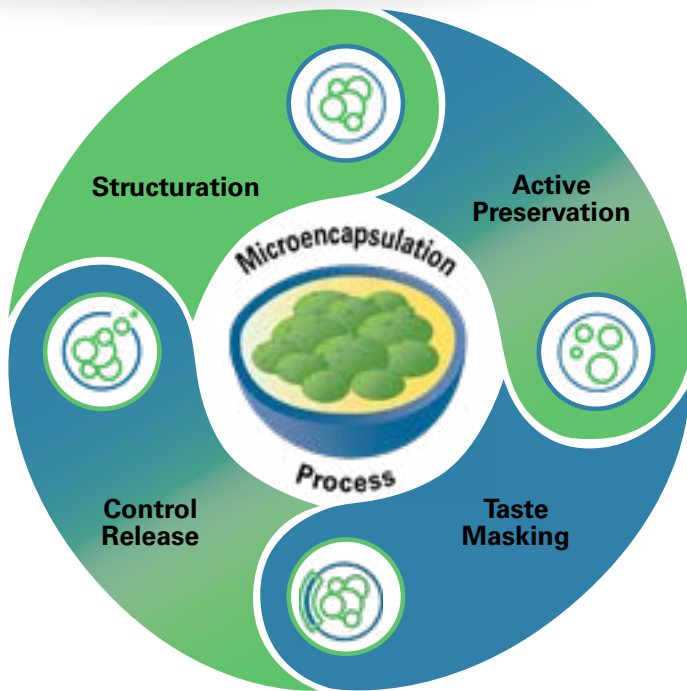




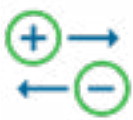
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Oil Microencapsulation

Traditional Drying Technologies & Challenges



PolarDry[®] Electrostatic Spray Dryer Difference



Apply electrostatic charge to the spray, driving solvent to the outer surface of the droplet.



Increase Oil Load
Observed 70% vs. 40% - Vegetable Oil
Observed 50% vs 25% - Essential Oil



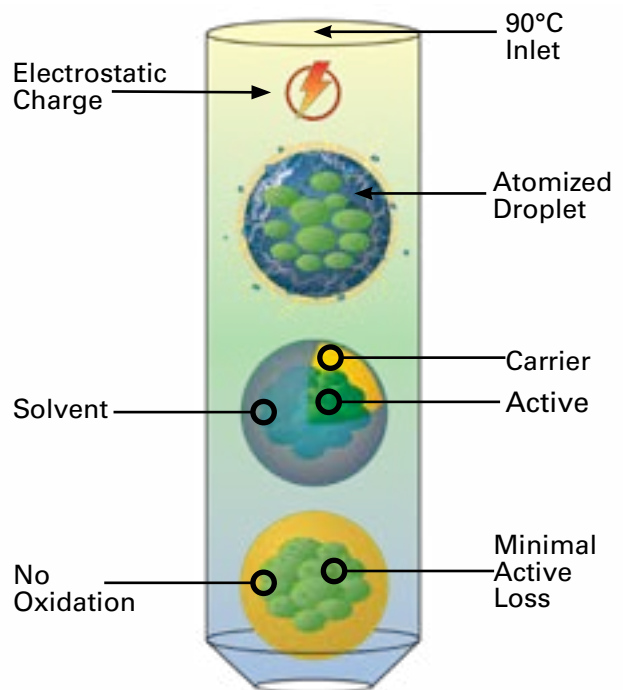
Improved Shelf Life
Observed 24 months vs. 6 months



Reduced Active Evaporative Loss
Observed 3% vs. 15%

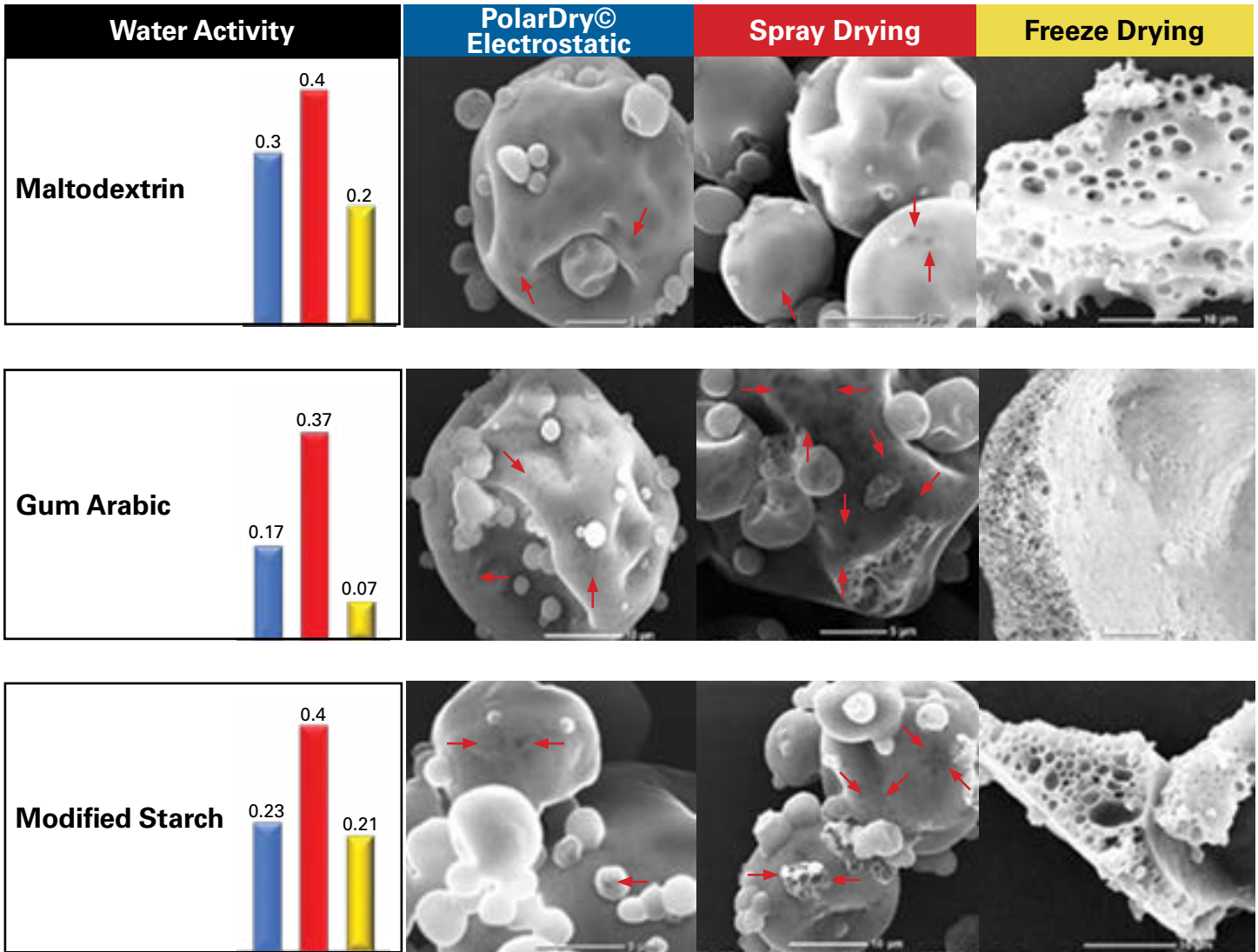


Inlet Temperature Down
Observed 59% decrease from 220°C to 90°C with the same yield



PolarDry[®] Electrostatic Spray Dry Comparison

The red → points to the microencapsulation's surface oil.



0.1 kg/hr.

Model 001



Model 001



A Division of *Spraying Systems Co.*

200 kg/hr.

Model 100



Model 04



Model 032



Model 050



Experts in Solid Dosage Technology
A Division of *Spraying Systems Co.*

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