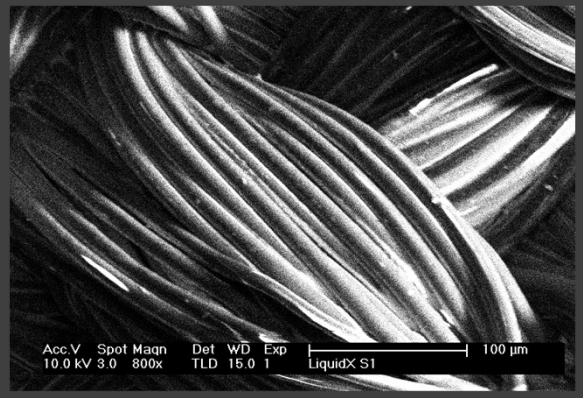
PARTICLE-FREE VS NANOPARTICLE INK ON FABRIC

LIQUID X PARTICLE-FREE INK



+ Coating of individual fabric fibers provides high conductivity
+ Low temperature cure allows for use on most common commercial textiles
+ Particle-free formulation allows for ease of jettability through inkjet nozzles
+ Ability to withstand bend/stretch and provides great performance

NANOPARTICLE INK

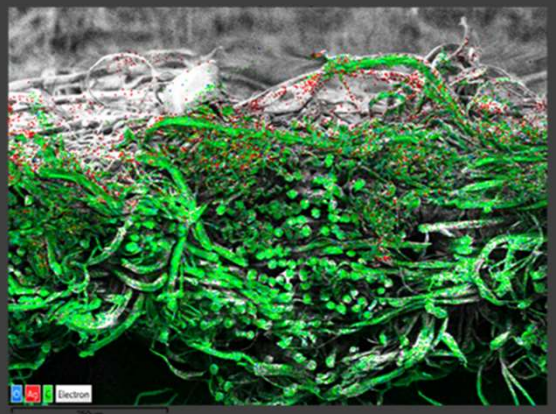
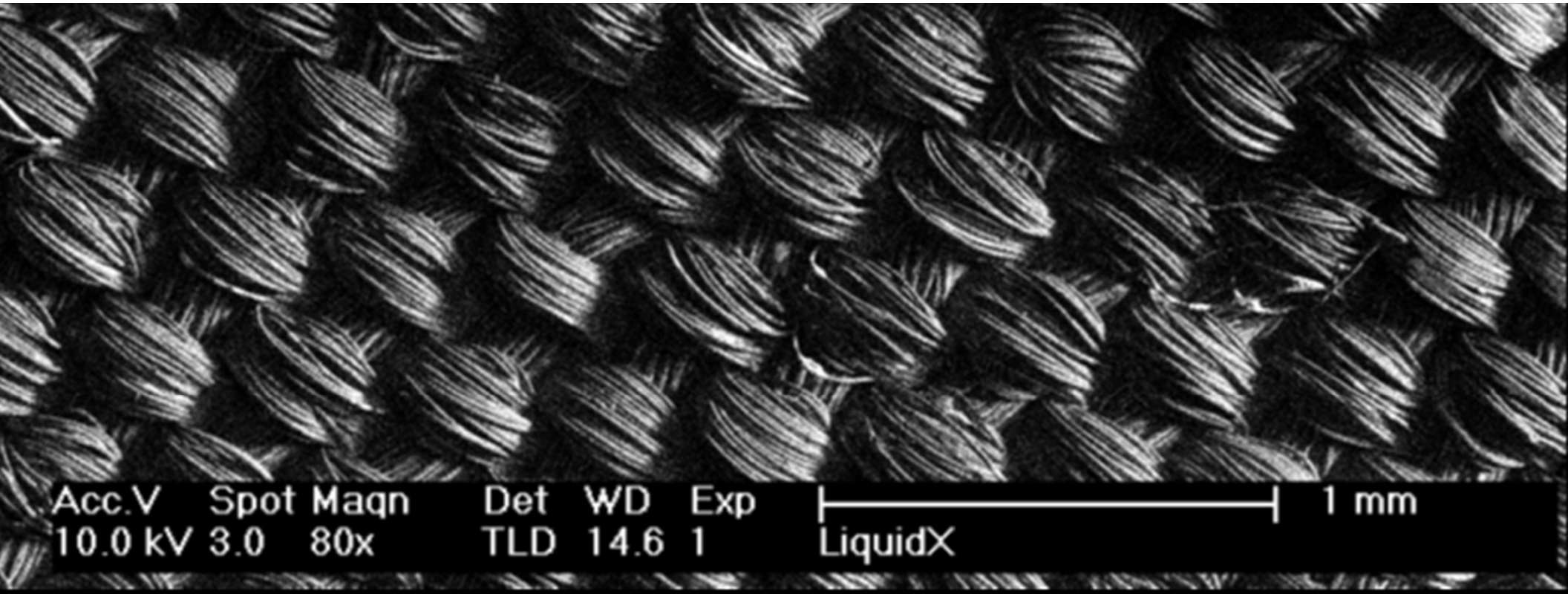


Image courtesy of North Carolina State University's College of Textile Engineering, Chemistry & Science

+ Particles are unable to build a conductive network across fibers resulting in lower conductivity
+ High temperature cure required limiting available substrates
+ Clogging of inkjet nozzles causing printing issues



CONFORMAL COATING OF WOVEN POLYESTER

LIQUID X printed metals

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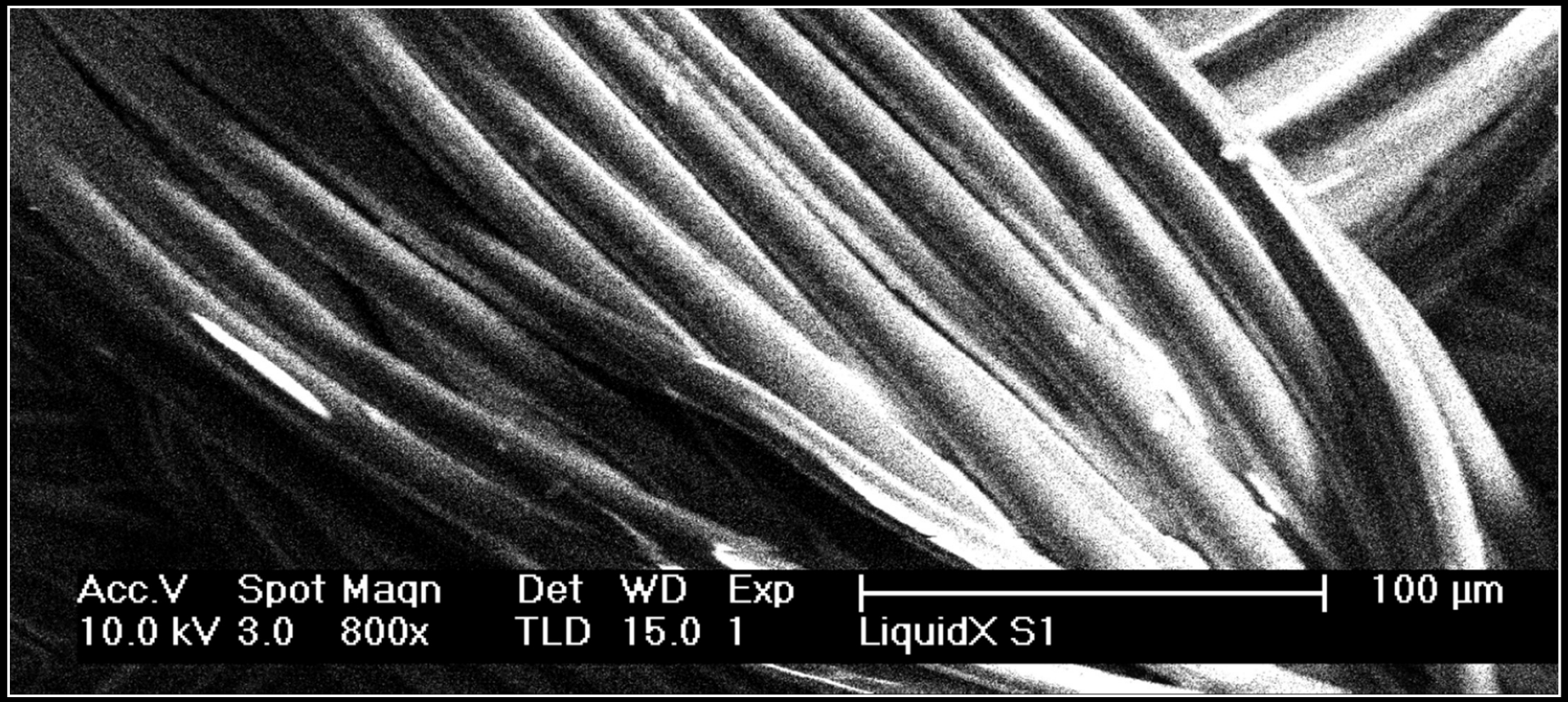
LIQUIDX printed metals



CONFORMAL COATING OF WOVEN POLYESTER

LIQUIDX printed metals