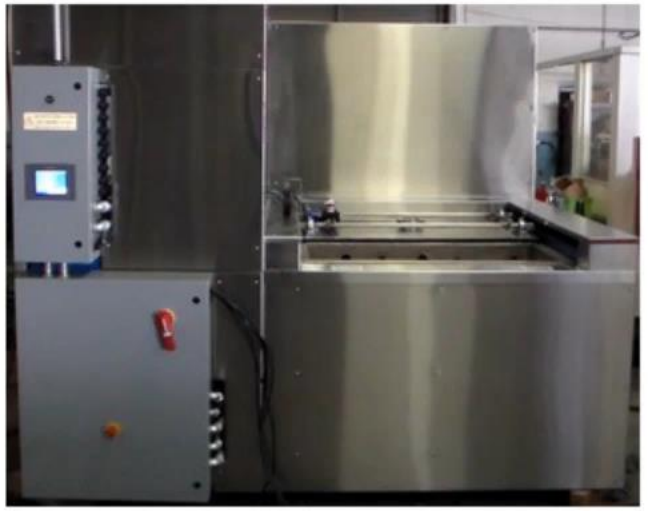
VACUUM PROCESSING SYSTEMS (VPS) PRODUCTS

VACUUM VAPOR DEGREASERS:

VACUUM CYCLING NUCLEATION :



FLAMMABLE SOLVENT SYSTEMS:

3D PRINTING SUPPORT MATERIAL REMOVAL:

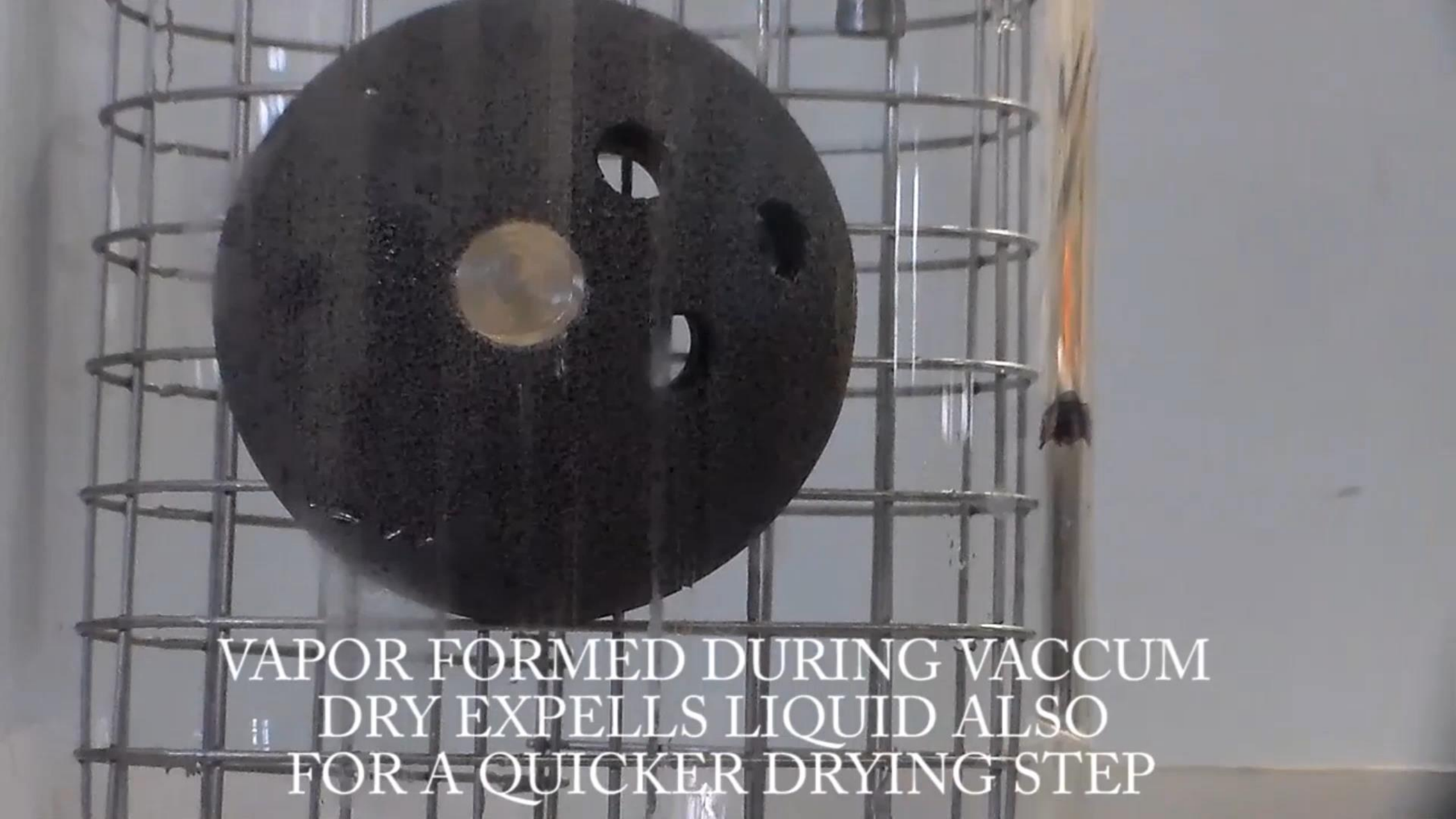
VCN Technology Overview

Vacuum Cycle Nucleation in Small Spaces

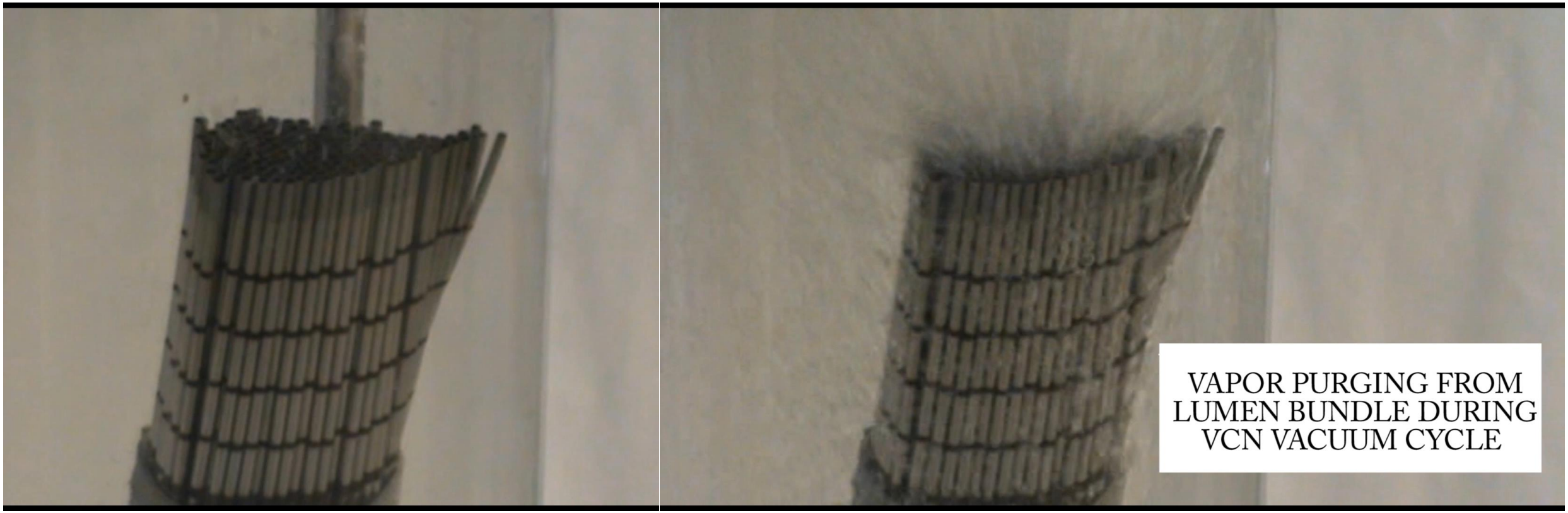
Nucleation selectively forms in holes, trenches, and under particles - where convective heat transfer is restricted, thus allowing nucleation to progress unabated


TEST USED HALF OF ONE LOT IN BASKET

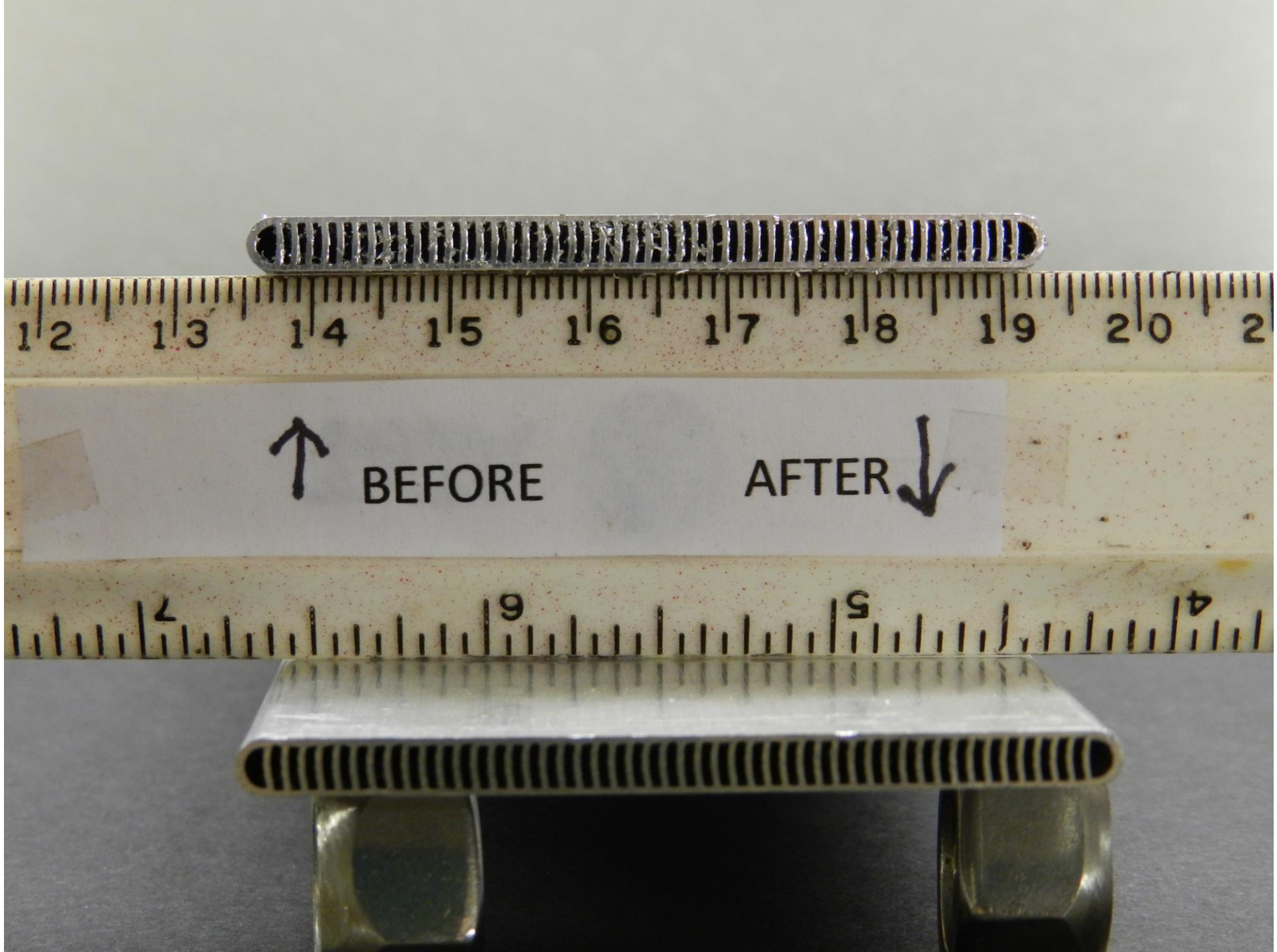
Fittings Being Rinsed Using VCN Processing

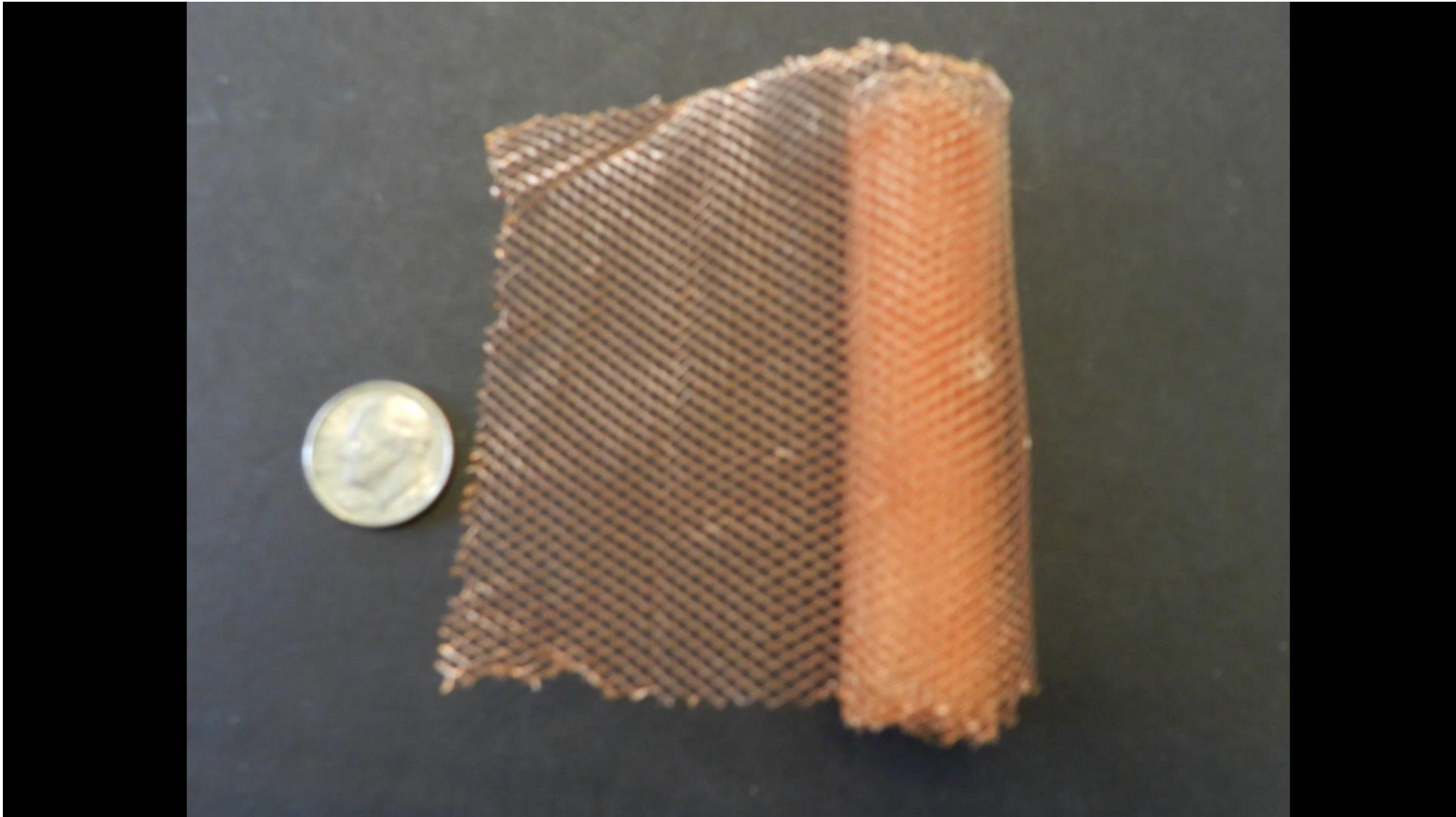

VAPOR FORMED DURING VACCUM
DRY EXPELLS LIQUID ALSO
FOR A QUICKER DRYING STEP

SOLVENT CLEANING OF INTERNAL RESIDUALS FROM BEARINGS USING THE VACUUM CYCLING NUCLEATION (VCN) PROCESS


VAPOR PURGING FROM
LUMEN BUNDLE DURING
VCN VACUUM CYCLE

FLUID MOTION DURING VCN PROCESSING IN A COILED TUBE


12 13 14 15 16 17 18 19 20
BEFORE
AFTER




Cleaning in Higher Concentrations
Produces More of a Foam Cleaning

PIPE FITTINGS CLEANED IN A SURFACTANT SOLUTION USING THE VACUUM CYCLING NUCLEATION (VCN) PROCESS

SOLVENT EXTRACTION OF INTERNAL RESIDUALS USING THE VACUUM CYCLING NUCLEATION (VCN) PROCESS