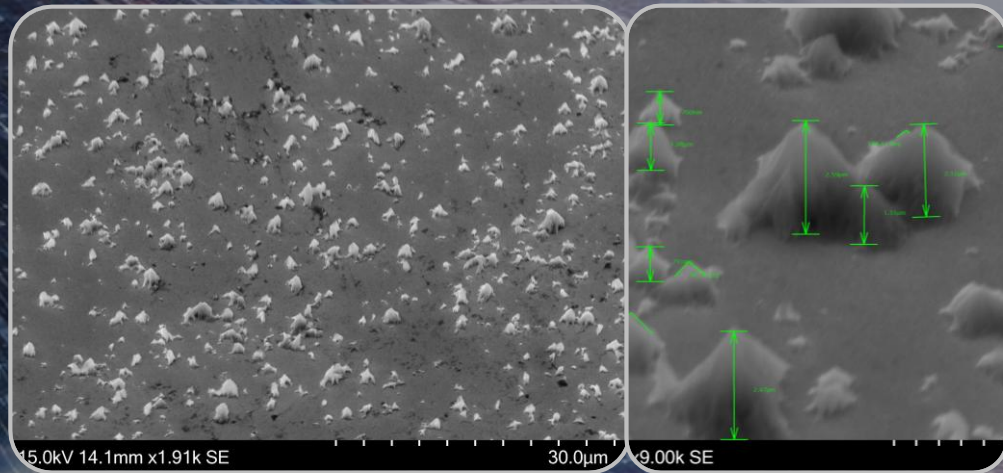


# HIGH-QUALITY AlN THIN FILMS FOR ACOUSTIC APPLICATIONS

## METHOD

- ✓ Deposit AlN thin films
- ✓ Controlled etching
- ✓ Analyze thin-film quality

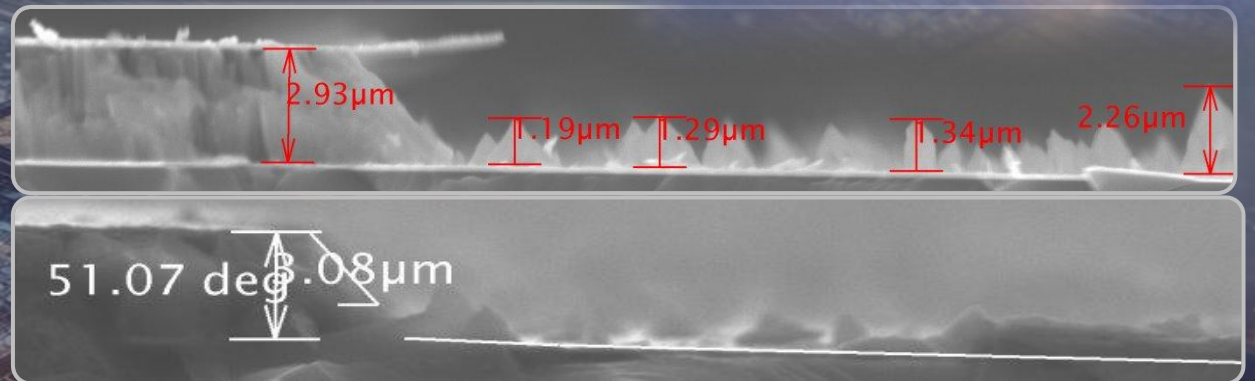


## RESULTS

- ✓ Sensitive etching behavior
- ✓ Pyramidal structures formed
- ✓ Undercut (anisotropic etching)
- ✓ Process control is critical

## USAGE

- ✓ Sensors used in harsh environments
- ✓ Resonators
- ✓ RF filters and signal processing
- ✓ Acoustic wave devices (SAW/BAW)



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