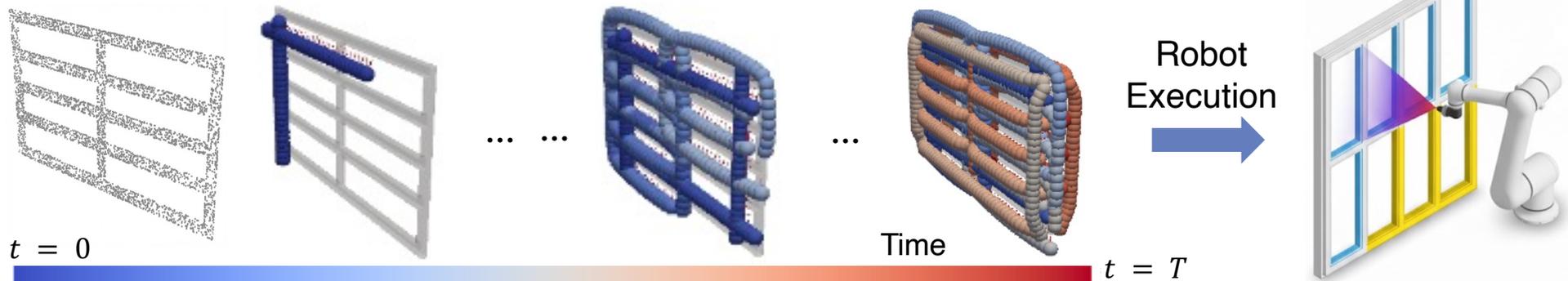# 3D-Aware Diffusion Policy for Coverage Path Planning

Robot Execution

$t = 0$

Time
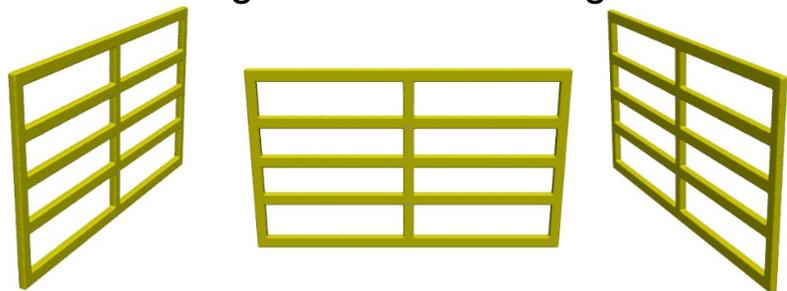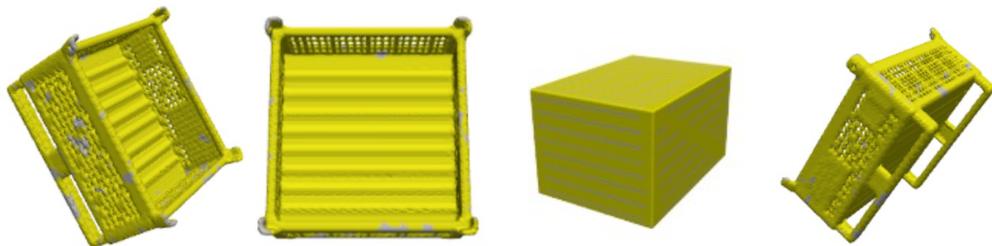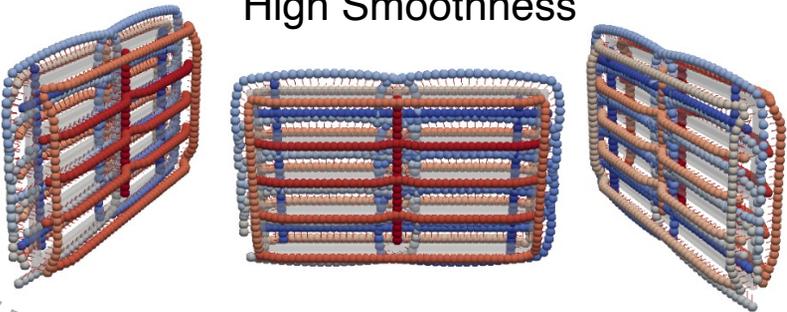
$t = T$

High Surface Coverage

In-Domain Generalization

High Smoothness

Distribution-shifted Generalization (Geometry Shift)