## COMPARISON WITH EXISTING SOLUTIONS

BLE DOME:	OTHER PRODUCTS:
the glove box	<ul> <li>Assumes users have their own glove box (\$10-100K cost)</li> </ul>
o sample size limit	<ul> <li>Limits sample size</li> <li>Limits stage travel</li> </ul>
o robotic or electronic arts to break or repair	Overly intricate: self- service difficult & can
	instrument
r-free TEM rod easily s inside, streamlining B to TEM sample	Complex workflow for TEM preparation



Transparent dome lets users stand directly over samples for easier manipulation

An innovative solution for loading air-sensitive materials, eliminating the need for an intermediary device to transfer samples between instruments

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 $\Delta R - FREE$ TRANSFER SYSTEM



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transfers

THE NOBLE DOME WAS INVENTED & PROTOTYPED AT THE CENTER FOR ADVANCED MATERIALS CHARACTERIZATION **OREGON, UNIVERSITY OF OREGON WITH A PATENT** PENDING





TRADITIONAL LOADING PROCEDURES EXPOSE SAMPLES TO ATMOSPHERE DURING TRANSFER, THE NOBLE DOME PRESERVES THE INTEGRITY OF AIR-SENSITIVE MATERIALS BY TRANSFERRING THEM IN AND OUT OF AN INSTRUMENT IN AN **OXYGEN-FREE ENVIRONMENT** 

**SEM IMAGES** 

**OXYGEN EDS MAPS** each yellow pixel represents one count

## SIMPLIFY YOUR WORKFLOW!

**CONVENTIONAL METHOD:** COMPLICATED WITH MULTIPLE DEVICES & STANDALONE GLOVE BOX

