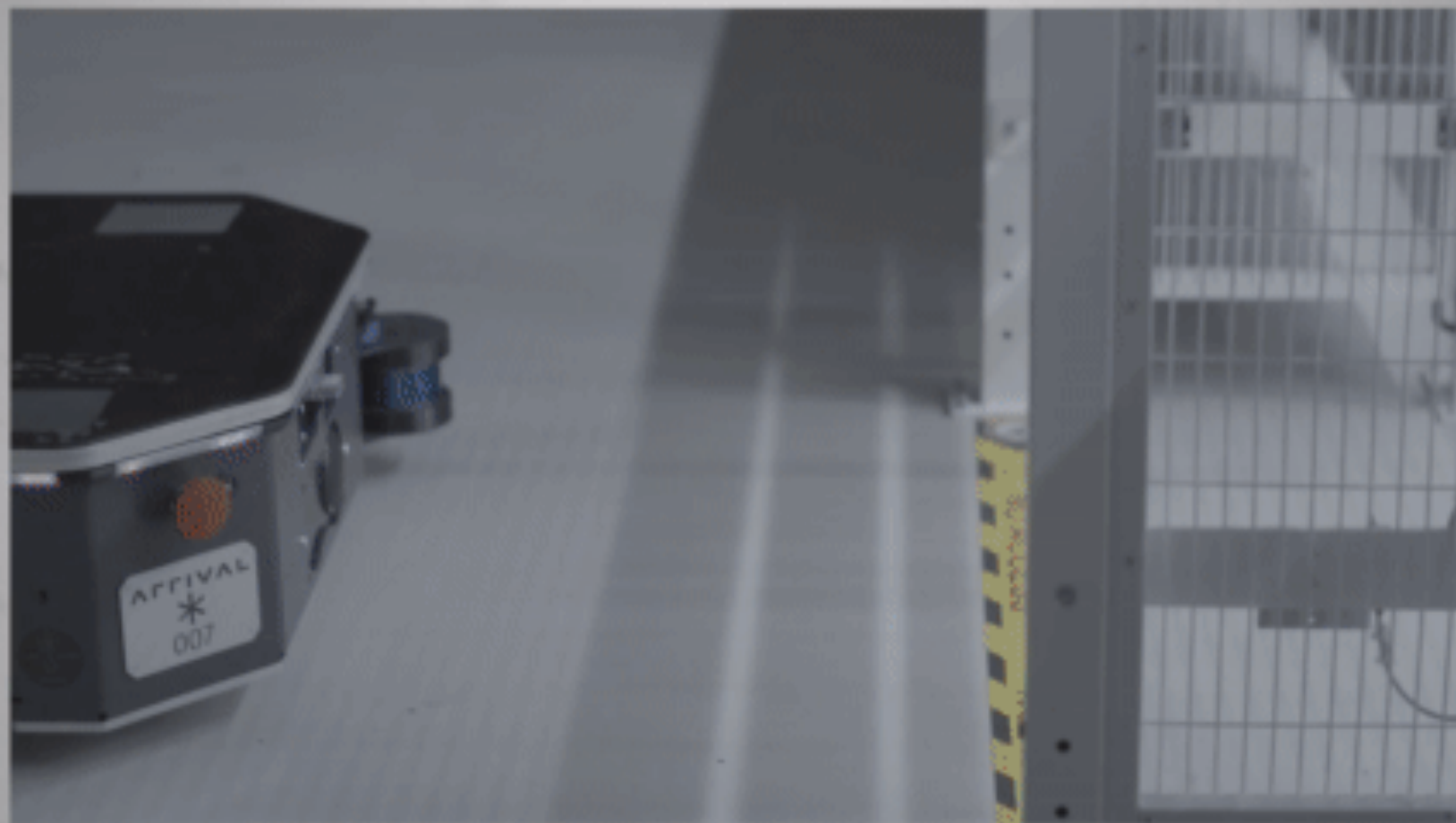


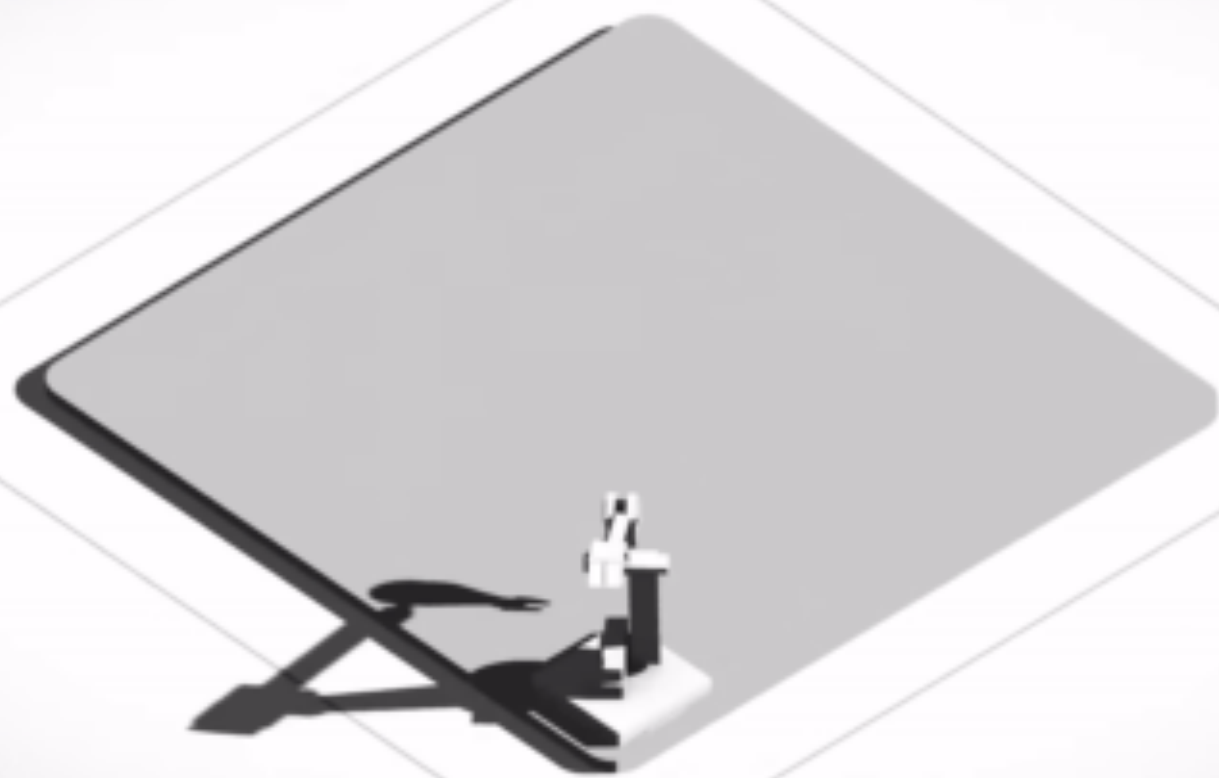
Production Movies Where You Need It

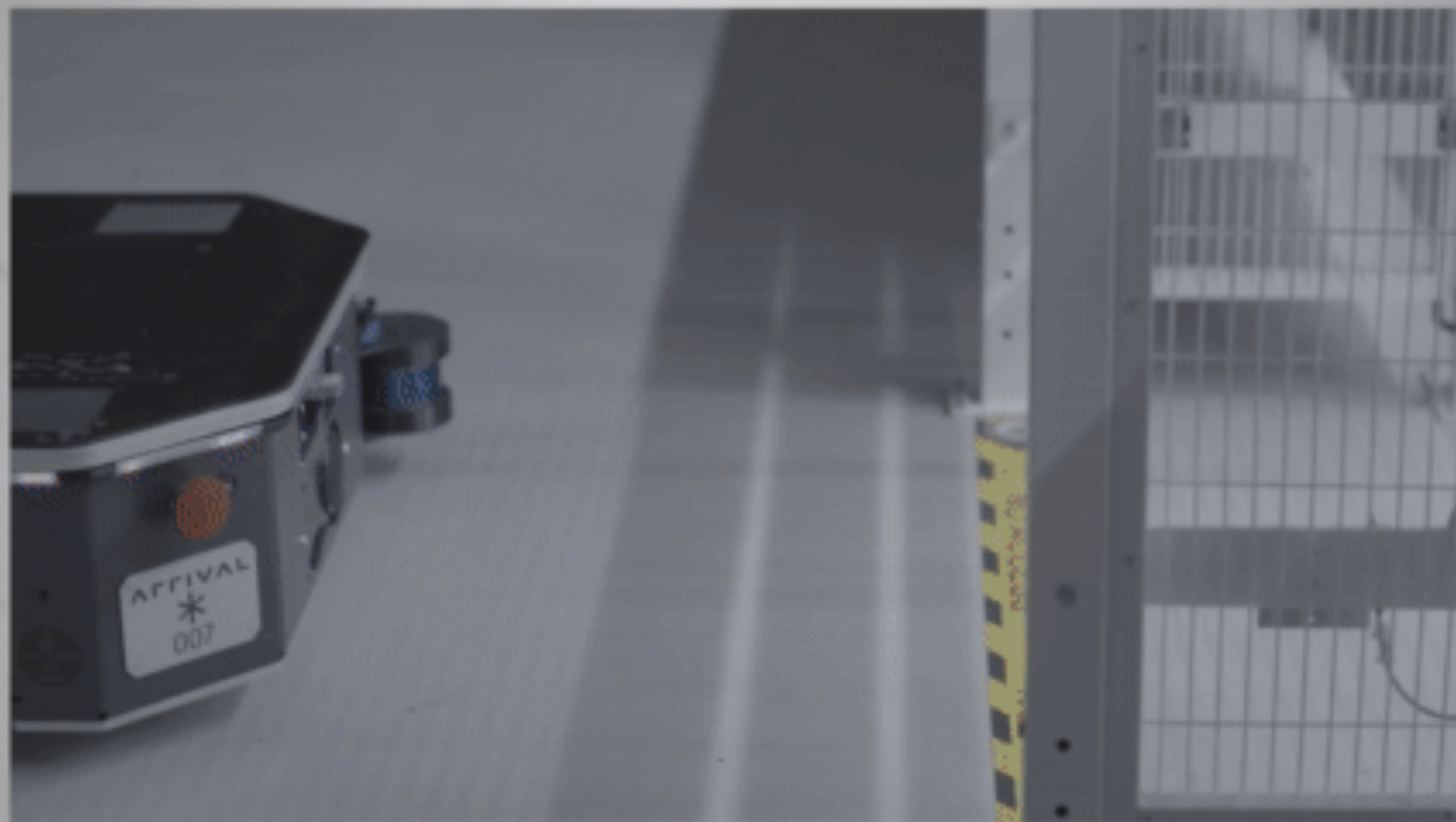
- Like Czinger, Oxfordshire-based Arrival built a vertically integrated production process

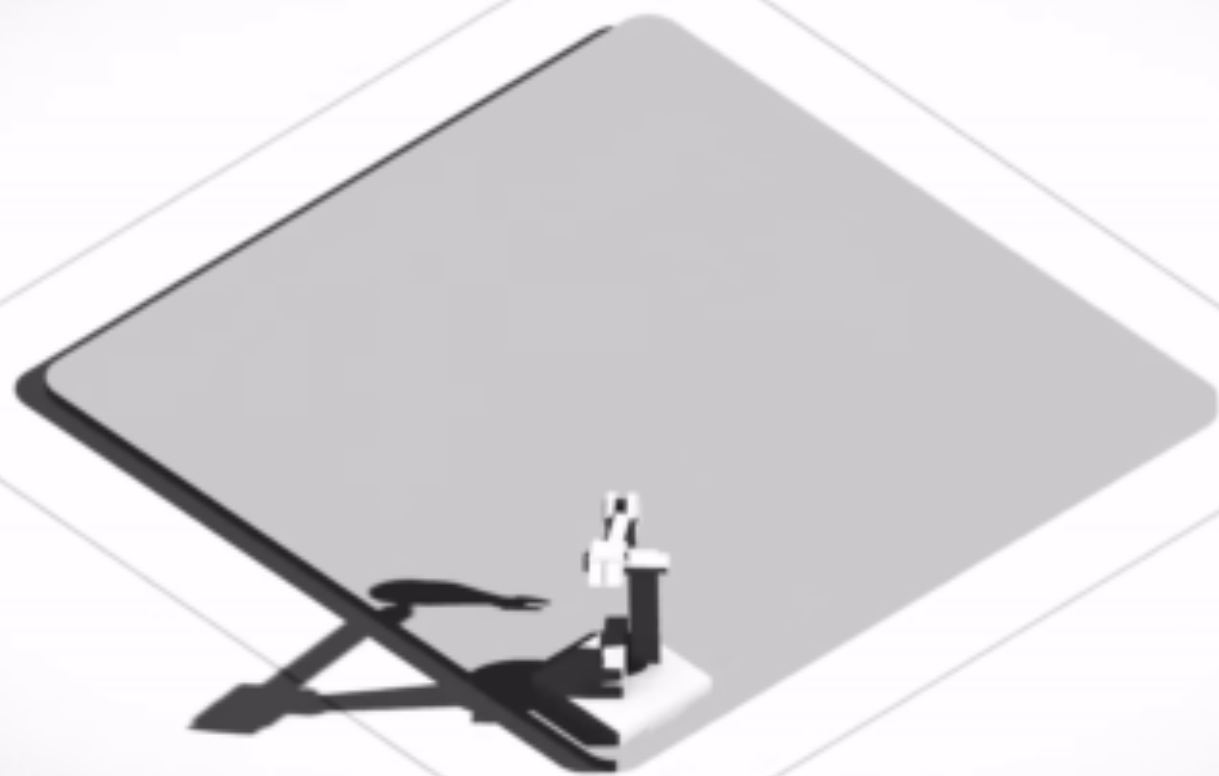
1. Robotic production cells 20x20 feet in size
2. Cells receive materials from autonomous mobile robots
3. Custom designed materials and vehicles
 - Body panels are layered fabric + adhesive (reminiscent of carbon fiber)
4. Can switch from making vans to busses relatively easily. (In theory!)



Microfiches



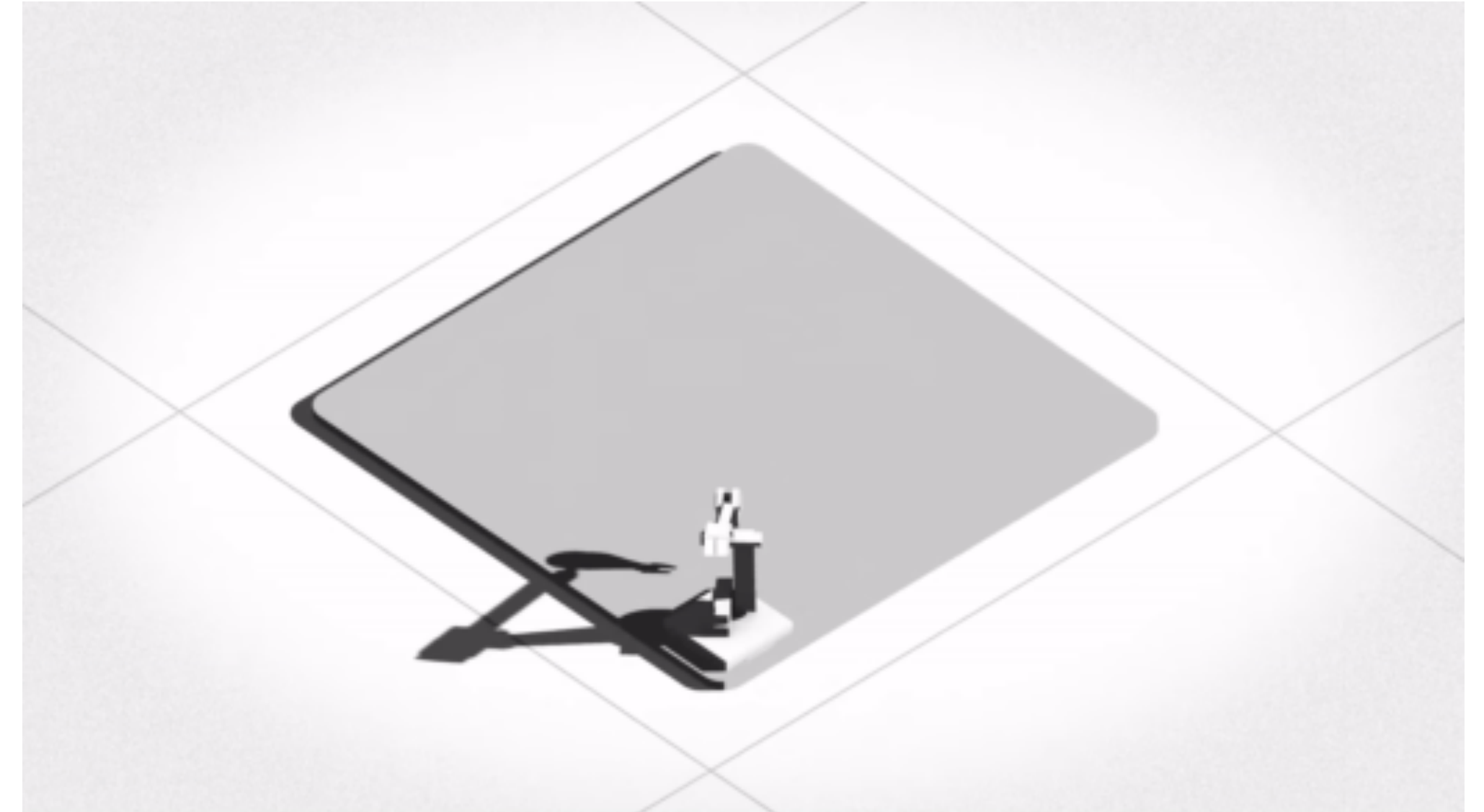




Microfactories

Production Moves Where You Need It

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Robotics

Recent Advances Make New Things Possible

- Arrival's autonomous mobile robots are a key lynchpin in the micro factory
- Need to be smart enough to navigate without help, flexible enough to deal with different environments and tasks
- Arrival has not proven its model yet
- Exciting space to watch