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JAMCLAM

shape-conforming container



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CUSTOMER NEED

- ▣ reconfigurable
- ▣ strong & durable & waterproof
- ▣ storage, shipping, transportation of fragile items
- ▣ for: cycling commuters, packaged items



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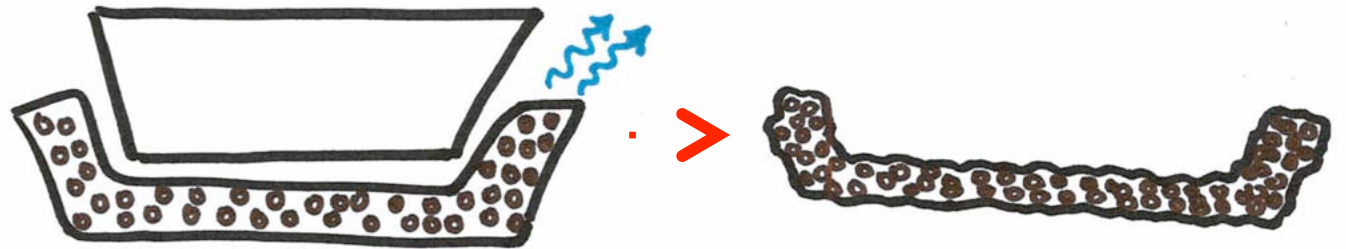
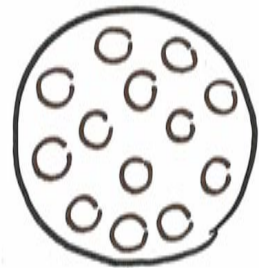
INDUSTRIES & MARKETS

- ▣ market size:
 - ▣ luggage, travel and sports bags: \$6.8b
 - ▣ packaging services: \$388m
- ▣ competition:
 - ▣ protective cases: Case Logic, Otterbox
 - ▣ shipping vendors: UPS, FedEx, USPS, Scotch

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THE TECHNICAL DESIGN

- jamming: removing the air from a bag of particles locks its shape
- vacuum splints & robotic grippers





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JamClam: Sketch Model

- ▣ to test: general feasibility, level of protection, vacuum seal, shell design
- ▣ what we learned:
 - ▣ vacuum seal difficulties



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FOR THE FUTURE

- ▣ jamming material
- ▣ strength tests (liability)
- ▣ vacuum apparatus
- ▣ marketing & customers



QUESTIONS?

