Cup ‘N Cake

CNC Baked Goods Decorator

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Sketch Model Demo
Sketch Model Demo Cont.

- 2-axis head controlled by stepper motors
- Multiple hoppers or extruders
- 12” maximum dessert diameter
- Frosting stored at back
- Z-stage for 3D positioning
- Top-mounted camera links edge-finding to UI.
User Interface
Technical

- Resolution: Approx. 1mm
- 3D printing is ubiquitous
  - 5K for commercial desktop 3D printers, 1K for DIY printers
- Many extruder/hopper options
- Open source software:
  - MTM Multifab, Center for Bits and Atoms, MakerBot
Unique Features

Prior Art
- Only one frosting type is used
- Not consumer friendly
- Small
- Hand-made

Cup n’ Cake
- Multiple material dispensing
- Easy user interface
- Accommodates as large as 12’ by 12’ of baked goods
Questions?