

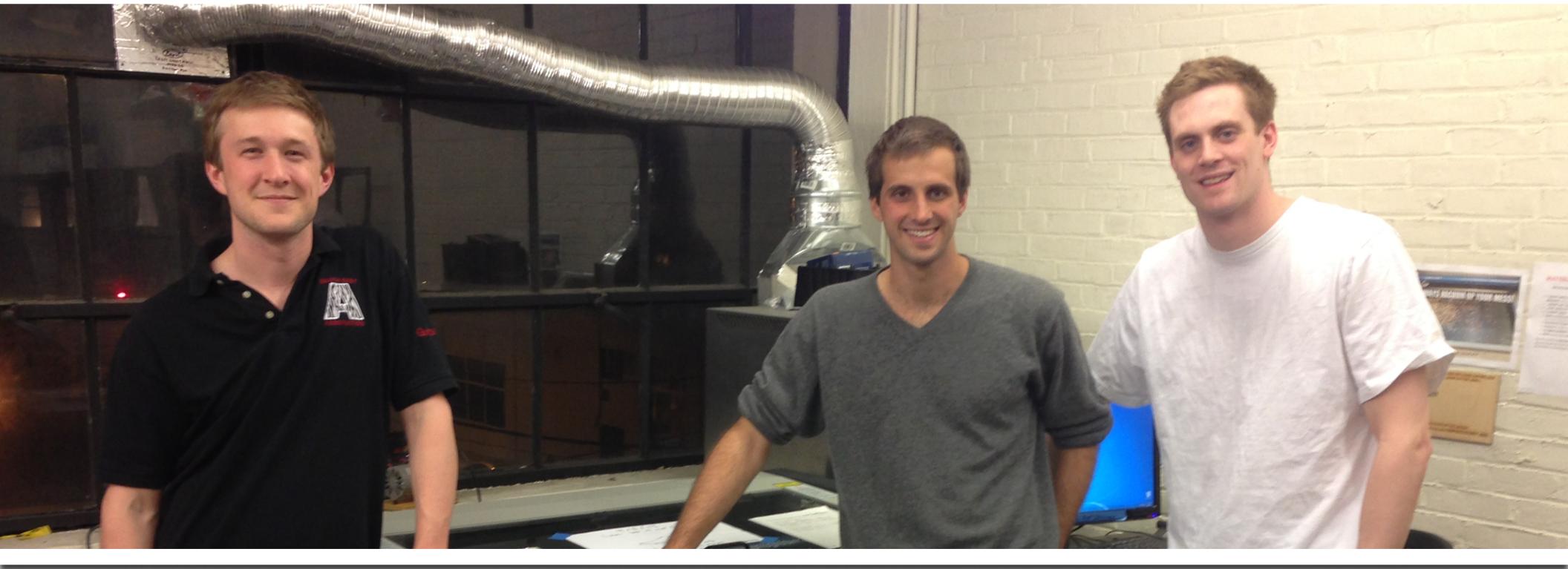
DCBA 3D Scanner

Low cost - High precision - User friendly



3D scanners should be a standard piece of equipment in every studio, workshop, and lab.

Team + Skill set



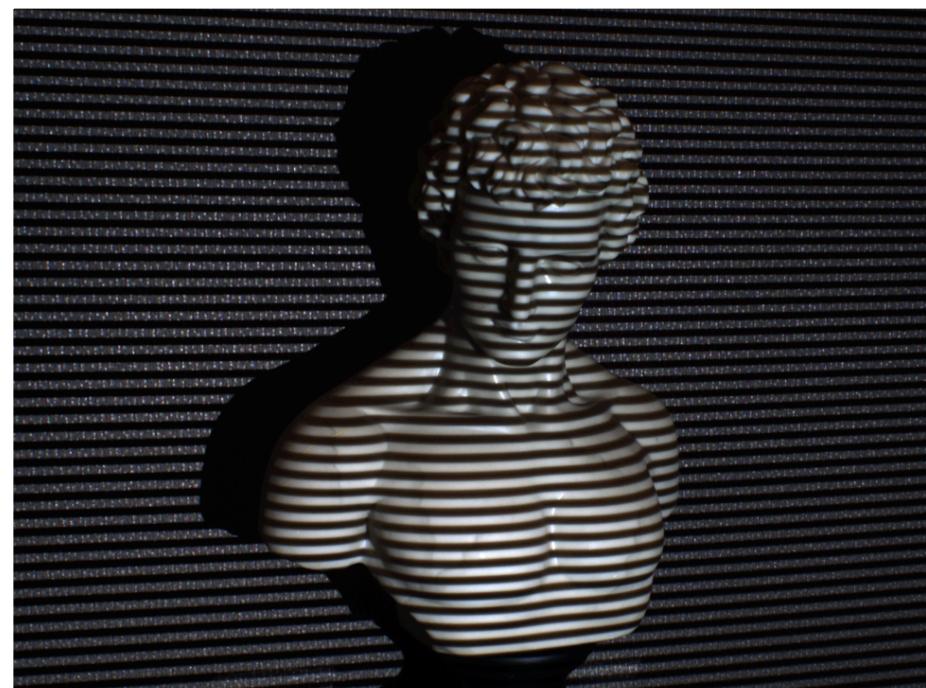
James Downs: Optics and signal processing

Troy Astorino: Programming and probabilistic robotics

Technical Approach

structured light scanning

lever approach to hardware → reduce cost substantially

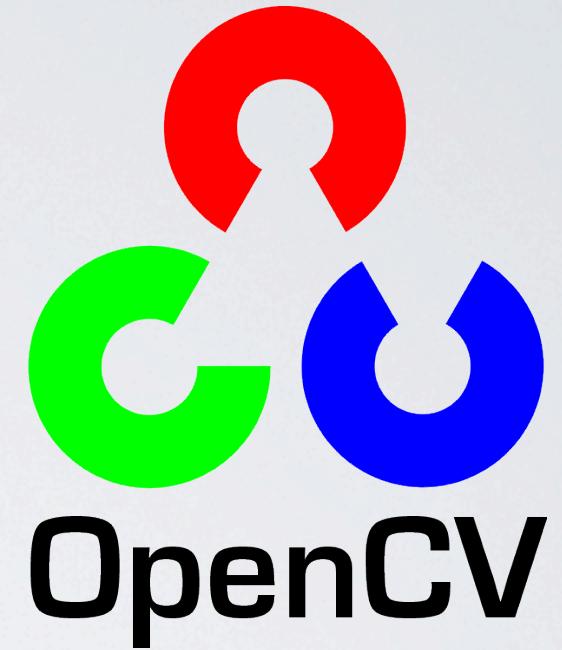


Product Goals

- Intuitive, clean software interface
- .025mm scan accuracy
- < 5 minute scan time
- 1 ft³ scan volume
- \$500 price point
- Plug and Play



pointcloudlibrary



Open Source Libraries

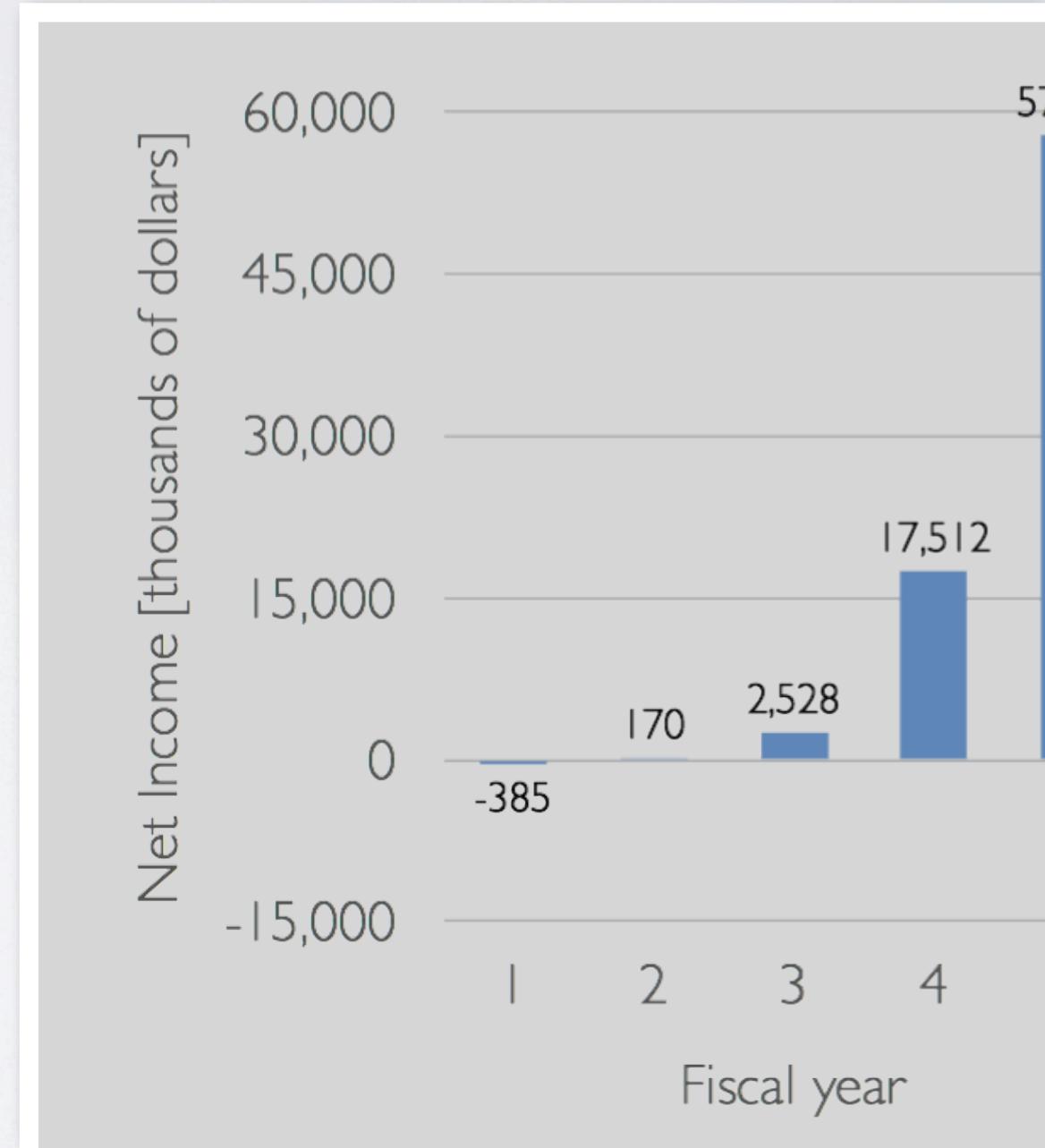
Market

Traditional scanning:

5B

Industrial 3D scanning:

530M



Components List

Component	Cost	Quantity
Motor	\$12.95	1
Gears	\$4.44	1
Sensor	\$7.89	3
PCB	\$17.77	1
Processor, board, wiring	\$38.00	1
Housing	\$15.00	-
Power source	\$35.00	-

Total: \$146.92

Summer Plans

Committed full-time

Looking for money, space to prototype,
mentorship, community of entrepreneurs

DCBA

Affordable, accurate 3D scanner

Technically accomplished team

Passionate about our product