

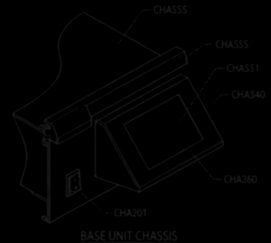
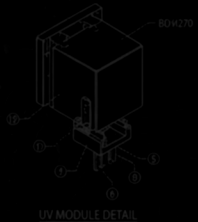
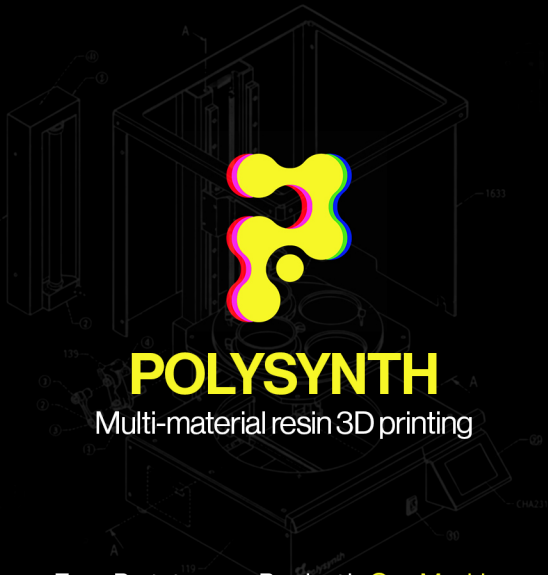
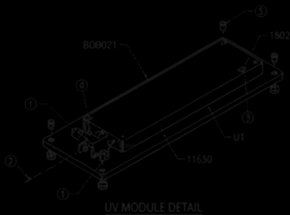


POLYSYNTH

Multi-material resin 3D printing

From Prototype → Product in **One Machine**

Dentistry → Electronics → Manufacturing



THE PROBLEM

Manufacturing is still broken into steps:

- Multiple machines
- Manual assembly
- High labor cost + inconsistency

Example (Dental):

- Teeth + gums printed separately
- Glued + painted by hand

Complex products = exponentially more **expensive**



THE SOLUTION

Print fully finished products in one step

- Multi-material resin printing
- No assembly
- Color + function embedded into file

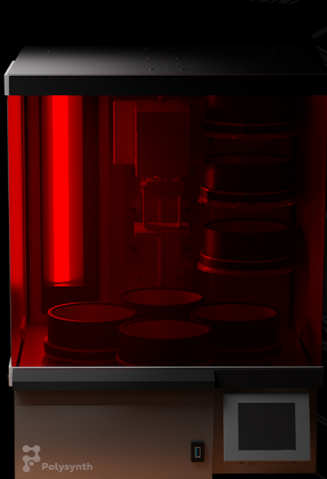
Core tech:

- Up to 7 material vats
- Mid-print switching
- Proprietary cleaning system

Octo mode:

- Up to 8 vats (smaller build plate)
- Higher color accuracy





PRODUCT

Polysynth 1

- Multi-material system
 - Built-in curing
 - Swappable vats
 - Offline workflow
- + Conductive resin (in development)
→ Enables printing functional electronics

AXIAL EXPLODED VIEW - FIG. 1

THIS IS THE **FIRST** OF ITS KIND

Instead of ordering PCBs... You **print** them

No waiting — No outsourcing — Faster iteration

Today:

2-layer PCB ≈ \$1

14-layer PCB ≈ \$50

With Polysynth:

Linear cost scaling

At-home / in-office PCB creation

MARKET

INITIAL WEDGE

Dental ✦

\$2.29B market

20–40M units/year

Expansion ✦

Electronics prototyping

Product development

Consumer manufacturing

BUSINESS MODEL

1 Sell printers (\$5K–\$10K)

3 Sell conductive resin (high-margin)

2 Sell consumables (resins, vats)

4 Software layer

Recurring **revenue** = materials

GO TO MARKET

PHASE 1

- Build ~20 machines
- Use for content, demos, proof



PHASE 2

- FDA certification
- Sell to dental labs (direct sales + samples)

PHASE 3

- Partnerships (ex: Womp)
- Expand to prototypers + consumer products

PHASE 4

- Conductive resin → electronics market

TEAM ✂

Eric Potempa



8+ years building resin printers

Tommy Bauer



Growth, brand, distribution

THE ASK

Raising **\$2,000,000**

Build production machines — Scale team — Develop conductive resin — Manufacturing + certification

Goal: → Ship first units
→ Prove multi-market expansion

From idea → physical product in **one machine**