```
SPEC ID       : QLA-BP-000000000013                                RESONANCE     : 9.4 / 10.0 CR
ATTRIBUTED TO : Mako Takahashi                                     CALIBRATED    : 2026-11-02
NODE ENDPOINT : https://qualia-teal.vercel.app/idea/b0000000-0000-0000-0000-000000000013
```

Ferrofluid Tactile Oscillator

[THE MECHANICS:]

Eurorack analog synthesizer module housing a sealed borosilicate chamber of colloidal ferrofluid suspended over a hall-effect electromagnet array. Performers sculpt sub-bass wavefolding and filter cutoff by physically dragging neodymium rings across the glass, translating real-time fluid spikes directly into raw CV/Gate voltage modulations.

[UTILITARIAN VALUE:]

Replaces sterile digital plugin menus with visceral, non-repeatable physical fluid acoustics for live hardware electronic sets.

[TARGET ECOSYSTEM:]

Modular synth builders, industrial techno performers, and boutique audio hardware hackers.

INTERACTIVE 3D TERMINAL & SOVEREIGN CRAFT ECOSYSTEM LINKS

1. Inspect Live 3D Simulation, Crash-Test BOM & 1-Click Claim/Delist:
   https://qualia-teal.vercel.app/idea/b0000000-0000-0000-0000-000000000013
2. Commission Verified Modular Sound & 3D Artisans (USD Bounties on Roily):
   https://roily-app.vercel.app/?tab=feed
3. Source Direct B2B Manufacturing & Code Execution (0% Tax on DealOff):
   https://deal-off.vercel.app/?from=qualia&title=Ferrofluid%20Tactile%20Oscillator&bounty=250
4. Hardware Unit-Economics Essays & Original Books by C.J. Night:
   https://cjnight.substack.com