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SPEC ID       : QLA-BP-000000002002                                RESONANCE     : 9.3 / 10.0 CR
ATTRIBUTED TO : Thomas Haller & Lothar Dietrich                    CALIBRATED    : 2026-11-07
NODE ENDPOINT : https://qualia-teal.vercel.app/idea/b0000000-0000-0000-0000-000000002002
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Analog Harmonic Resonator Array

[THE MECHANICS:]

The Resonator Array integrates a series of discrete, voltage-controlled mechanical spring chambers housed in a vibration-isolated, heavy-gauge steel chassis. Unlike standard digital reverb units, this system utilizes high-tension, multi-coil steel springs coupled to precision-wound electromagnetic transducers. Each channel features a dedicated zero-DSP, discrete transistor-based saturation stage that mimics the harmonic distortion profiles of the DRM1 MKIV, allowing users to route percussive transients through physical spring tension variables that are modulated by external CV or gate signals.

The interface replaces traditional knobs with high-torque, industrial-grade potentiometers and a cross-modulation matrix that allows the output of one spring chamber to feedback into the input of another. By utilizing magnetic damping inserts, the system achieves a variable decay length that is entirely dependent on the electrical impedance load of the preceding circuit, ensuring that the harmonic resonance remains tethered to the physical state of the springs rather than a simulated algorithmic decay.

[UTILITARIAN VALUE:]

This product creates a high-margin hardware ecosystem that bridges the gap between static outboard processing and dynamic performance instrumentation. By positioning the Resonator Array as an essential "finishing" stage for the DRM1 series, Vermona captures the high-end studio market with a non-replicable analog mechanical process, fostering long-term brand loyalty through the sale of proprietary expansion cartridges and modular mounting kits.

[TARGET ECOSYSTEM:]

Professional recording studios and experimental sound design facilities utilizing hybrid analog-digital workflows.

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/b0000000-0000-0000-0000-000000002002
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=Analog%20Harmonic%20Resonator%20Array&bounty=250
4. Hardware Unit-Economics Essays & Original Books by C.J. Night:
   https://cjnight.substack.com