```
SPEC ID       : QLA-BP-000000002502                                  RESONANCE     : 9.3 / 10.0 CR
ATTRIBUTED TO : Corry Banks & Boom-Bap Eurorack Guild                   CALIBRATED    : 2026-11-09
NODE ENDPOINT : https://qualia-teal.vercel.app/idea/b0000000-0000-0000-0000-000000002502
```

# Direct-Drive Tape Flywheel Synthesizer

---

**[ THE MECHANICS: ]**

A 24HP Eurorack percussion and bass synthesizer module built around a high-inertia machined brass flywheel driven by a coreless DC motor. The flywheel physically governs the clock jitter, micro-timing swing, and pitch wobble of an onboard dual-voice analog wavetable oscillator.

Integrated arcade-grade tactile microswitch pads provide zero-latency finger drumming with mechanical tactile clicks. Velocity cv dynamically applies magnetic eddy-current braking to the flywheel, imparting visceral physical groove swing that mirrors human drummer micro-variations.

**[ UTILITARIAN VALUE: ]**

Brings visceral physical momentum and un-quantized groove dynamics to modular hip-hop production and live boom-bap performance.

**[ TARGET ECOSYSTEM: ]**

Modular beatmakers, Eurorack hip-hop producers, live finger drummers, boutique hardware studios.

Roily USD Craft Bounties:
Commission or challenge independent sound designers for verified USD bounties at https://roily-app.vercel.app

---

**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/b0000000-0000-0000-0000-000000002502
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=Direct-Drive%20Tape%20Flywheel%20Synthesizer&bounty=250
4. Hardware Unit-Economics Essays & Original Books by C.J. Night:
   https://cjnight.substack.com