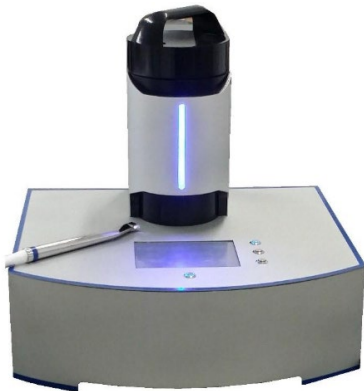


ACQUISITION OPPORTUNITY: DENTAVATIONS, INC.

The Future of Dentistry: Quiet, Virtually Painless, Precision Cavity Prep

Executive Summary

Dentavations, Inc. offers a disruptive acquisition opportunity for dental OEMs and IP commercialization funds. The **WaterJet** is a proprietary handpiece that uses a fluid stream for cavity preparation — whisper-quiet, virtually painless, and comparable in speed to current burs. Unlike drills, air abrasion, or hard-tissue lasers, the WaterJet eliminates heat, vibration, and the need for anesthesia in the majority of procedures. The long-promised code of fluid-based cutting has been solved — and it is ready to disrupt the global dental handpiece market.



THE TECHNOLOGY

Water jet cutting is the precision standard in industry for materials where heat and vibration damage the substrate. Dentavations adapted this for safe dental use — a proprietary abrasive fluid stream removes enamel and dentin at bur-comparable rates without soft tissue risk.

- **Safety:** Does not damage soft tissue upon accidental contact — unlike burs or lasers
- **Cold Cutting:** Zero heat-affected zone eliminates micro-fractures where bacteria hide
- **Superior Surface:** Matte/etched finish — ideal for composite and CAD/CAM bonding, no smear layer
- **Quiet:** Inaudible over standard suction — eliminates drill anxiety
- **Fast Transition:** Familiar handpiece feel; dentists adopt in under 5 minutes

DEVELOPMENT STATUS

- ✓ Working pre-production system demonstrated to **50+ dentists**
- ✓ Validation with a **top-five global dental manufacturer** — heat, removal rate, and bonding studies complete
- ✓ FDA Pre-Submission meeting held — **510(k) pathway confirmed**
- ✓ Patents granted: **US 7326054, Appl. No. 13/938385, PCT/US14/46019** — issued in **US, China, Europe, Korea, Australia, India** with additional filings in progress

VALUE PROPOSITION

For the Patient

- **Pain-free:** Most procedures without anesthesia (needles)
- **Reduced anxiety:** No drill whine, no vibration, no heat
- **Better outcomes:** Minimally invasive, reduced post-op sensitivity

For the Clinician

- **Efficiency:** Faster and simpler than air abrasion or lasers at a fraction of the cost
- **Workflow:** Slots into existing practice — nothing gets removed. Drill stays for the 20% of cases that need it
- **Capability:** White spot removal, Zirconia removal, peri-implantitis detox with no heat zone
- **Integration:** Desktop/cart form, wireless foot pedal, ergonomic handpiece

For the Acquirer

- **Patented recurring revenue:** Consumable abrasive mixture on every cavity — IP-protected margin that compounds with install base
- **6x larger addressable market:** \$7,500 price point unlocks ~100K US dentists vs. ~16K for lasers (\$60-130K barrier)
- **Platform technology:** Hardware sale + consumable + nozzle replacement + annual service = 4 revenue streams
- **Defensible IP:** Granted patents across 6 major markets with additional filings in progress
- **Market disruption:** Addresses root cause of restoration failure (drill damage) rather than treating symptoms

SEE THE WATERJET IN ACTION

Video Introduction: <https://youtu.be/kysrmEIJyY>
 Website: dentavations.com

Cutting Demo: <https://youtu.be/zEQUUw6N-DM>
 Clinical Validation Data: Available under NDA

THE ACQUIRER BUSINESS CASE

Why WaterJet Outperforms Lasers as a Platform Investment

<h3>\$7,500</h3> <p>per unit</p> <p>13x cheaper than hard-tissue lasers</p>	<h3>~100K</h3> <p>addressable dentists</p> <p>6x larger market than lasers (~16K)</p>	<h3>\$43.5M</h3> <p>Yr 5 consumable run-rate</p> <p>Patent-protected compounding annually</p>
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UNIT ECONOMICS: WaterJet vs. Hard-Tissue Laser

	WaterJet	Hard-Tissue Laser	Air Abrasion
Equipment Cost	\$7,500 / unit	\$60,000 – \$130,000	~\$4,000
Procedures Covered	~80% of daily prep	All tissue (broad)	Small composites only
Annual Consumable	\$3,750 (patented)	\$0	~\$150 – \$400
Annual Service	Included	\$3,000 – \$8,000	N/A
Anesthesia-Free?	Yes — broad	Yes — broad	Small lesions only
Training Required	< 5 min (familiar)	Significant (new modality)	Minimal
5yr Revenue / Dentist	\$26,250	\$85K – \$170K	~\$4,600 – \$5,500
Addressable Market (US)	~100,000 dentists	~16,000 dentists	~16,000 dentists

5-YEAR REVENUE MODEL — Same Acquirer, Same Sales Force (US Market)

WaterJet — \$7,500 ASP | 11,600 units over 5 years

	Yr 1	Yr 2	Yr 3	Yr 4	Yr 5	5yr Total
Equipment (\$M)	4.5	11.3	18.8	24	28.5	87
Consumable (\$M)	1.1	5.1	12.6	23.3	36.4	78
Total (\$M)	5.6	16.4	31.4	47.3	64.9	165

Hard-Tissue Laser — Same Acquirer, Same Sales Force, \$100K ASP (for comparison)

	Yr 1	Yr 2	Yr 3	Yr 4	Yr 5	5yr Total
Equipment (\$M)	15	20	25	20	15	95
Service (\$M)	0.4	1.3	2.4	3.5	4.4	12
Total (\$M)	15.4	21.3	27.4	23.5	19.4	107

Key Insight: With the same sales force, WaterJet generates \$165M over 5 years vs. \$107M for a laser — and WaterJet is still accelerating in Year 5 (\$64.9M) while the laser is declining (\$19.4M). 47% of WaterJet revenue is patent-protected consumable. Only 11% of laser revenue is service — and it's 3rd-party competed.

MARKET OPPORTUNITY & NEXT STEPS

The global dental handpiece market is a multi-billion-dollar industry dominated by technology that has reached its innovation ceiling. WaterJet is positioned to capture significant market share by displacing standard burs for routine cavity prep while offering a superior business model to lasers. **Target market:** General dentists and pediatric dentists (high value for needle- and noise-free procedures). **Adoption drivers:** Patient demand for pain-free dentistry, clinician demand for efficient workflow, and acquirer demand for recurring consumable revenue.

Dentavations is undertaking a **competitive bid process** to transfer its IP and technology to a firm capable of manufacturing and distributing this breakthrough globally. We invite qualified OEMs and funds to schedule an **in-person meeting and live demonstration** of the WaterJet system. A detailed revenue proforma is available upon execution of an NDA.

SEE THE WATERJET IN ACTION

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Website: dentavations.com

Cutting Demo: <https://youtu.be/zEQUUw6N-DM>

Clinical Validation Data: Available under NDA