



App Brief: HarmonyTi – Tariff Intelligence

Mission Statement

To empower global importers with instant, intelligent, and transparent tariff cost calculations that reflect real-world trade policy, logistics costs, and evolving bilateral rules—making duty forecasting as seamless as checking the weather.

🔍 Overview

HarmonyTi is a smart, mobile-first tariff intelligence tool that enables users to:

- Enter an 8-digit HTS code
- Select country of origin (e.g. China, Canada, Mexico)
- Input invoice value and freight cost
- Optionally enter a projected piece count

With those minimal inputs, HarmonyTi instantly calculates:

- **All applicable duties, fees, and surcharges** (including Section 301, MPF, HMF, RT tariffs)
 - **Comparative outputs for treaty-based exemptions** (e.g. USMCA eligibility)
 - **Per-unit cost estimates and cost delta with/without reciprocal tariffs (RT)**
-

⚙️ Core Features

1. **HTS-Driven Tariff Breakdown**
2. Real-time duty, MPF, HMF, and surcharge display
3. Automatic recognition of zero-duty conditions from FTAs or special programs
4. **Freight Cost Input (NEW)**
5. Invoice value plus ocean/air freight used to derive the dutiable base
6. Ensures customs-aligned cost calculations
7. **USMCA Eligibility Toggle (NEW)**
8. For Canada & Mexico shipments

9. Compares cost with and without valid USMCA origin documentation
10. Highlights potential double-digit tariff penalties if certificate is absent

11. Per Unit Cost Estimator (NEW)

12. Enter projected piece count
13. Displays total duty impact and per unit cost
14. Includes RT tariff impact on a per-unit basis if in effect

15. Smart History

16. Save, compare, and reload past lookups
17. Clone lookups for new scenarios
18. Clean interface with batch clear and revisit options

19. Built-In Browser & Blog Feed (LIVE)

20. Native reader for DGL blog content (fully implemented)
21. Blog entries include headlines, preview, and full in-app viewing with audio (iOS only)
22. External links open in default browser (to preserve login sessions)

23. Contact, Branding, and Legal Entry Point

24. Login screen with opt-in contact collection (email/name)
25. Required legal disclaimer acceptance
26. Contact options and brand engagement tools on dedicated screen

Planned AI Enhancements

Not in current beta; future upgrade path

- NLP-driven HTS code prediction from product descriptions
- Predictive duty optimization (tariff engineering suggestions)
- Integrated CROSS ruling matching
- Embedded assistant for "Why am I paying this much?" explanations

Target Users

- SMB Importers & Sourcing Professionals
 - Compliance Officers
 - Customs Brokers
 - 3PLs and Trade Consultants
-

Platform Support

- iOS (primary)
 - Android (beta; limited audio support)
 - Tablet/Desktop-compatible layout (e.g. iPad with right-side info panel planned for return)
-

Project Status

- Core functionality is stable
 - RT toggle has been **retired**
 - USMCA toggle, freight field, and piece-count per-unit cost logic are active
 - Known gaps: historical code fragments (e.g. reverse-lookup logic) under cleanup review
 - Side panel (for large screens) will be restored in a future update
-

Roadmap Priorities

- Beta testing with real-world importers
 - Re-integrate right-hand panel for tablet/desktop users
 - Investigate unit-of-measure-based duties (e.g. kg/lb/unit)
 - Export-to-report feature (e.g. emailed PDF)
 - AI lookup and classification helper
 - Optional login-free mode vs. lead capture incentive flow
-

Short-Term Technical Updates (Spec Addendum)

- Push-delivered CTAs offering free reports based on session history
 - Free basic commentary and professional insights on request
 - Optional in-depth consultation with DGL staff
 - Flexible, dynamic handling of engagement offers
 - Further refinements to the UX:
 - Smooth drawer action both in and out
 - Dynamic positioning of FABs based on screen content
 - Scroll or other refinements to ensure entry fields are never covered by on-screen keyboards
-

Would you like a public-facing one-pager version next?