

Tangible AutoQuote Product Tech Sheet

Product: Tangible AutoQuote

Company: Plyable

Category: Manufacturing quoting & estimating platform

Deployment: Multi-tenant cloud SaaS

One-liner

Tangible turns CAD geometry and shop process knowledge into structured, revisable manufacturing quotes, built for all manufacturing including composites and CNC milling.

Who it's for

Estimating, engineering, and quoting teams at custom manufacturers, especially composites tooling & parts shops, CNC pattern/mould makers, and suppliers in aerospace, automotive, and adjacent advanced manufacturing.

Problem it solves

Manual quoting from drawings and internal process knowledge is slow, inconsistent, and hard to revise. Tangible standardises quote structure, drives cost from CAD metrics, and keeps a clear revision history so teams can quote faster and with more confidence. Teams can quote reliably and consistently in minutes rather than hours.

Core capabilities

Capability	What it does
Quotes & revisions	Hierarchical BOMs/line items; immutable revisions; publish/archive; customer & reference; PDF export
Blueprints	Reusable and customisable quote templates (e.g. CNC part, pattern, composite mould/part, tooling + part)
CAD-native costing	Upload STEP/IGES (and related formats); 3D viewer; geometry processed for volume, area, and other cost drivers
DFM checks	Design-for-manufacturability analysis tied to materials, visualized on the CAD
Pricing engine	Configurable cost models for materials, CNC, layup, cure, trim, finishing, inspection, labour, and more
Catalog admin	Materials, equipment, pricing models, customers

Team & access	Auth0 SSO; role-based access (Admin / Staff / User / Guest); invitations
Billing	Token-based usage (quote & CAD tokens), plans, and on-demand purchase
AI assistant (Tangi-Bot): in development	Assist with listing/creating/editing quotes, blueprints, materials, and pricing models

Typical workflow

1. Start from a blueprint (or blank quote)
2. Attach CAD and link geometry to line items
3. Run DFM / apply pricing models driven by part metrics and process steps
4. Adjust quantities, ops, and commercial fields; create a revision
5. Export PDF / share with customer; optionally use Auto Mold or AI assist

Inputs & outputs

- **In:** CAD files (STEP/IGES, etc.), drawing PDFs, materials & process parameters, blueprint templates, customer data
- **Out:** Structured quotes with revision history, PDFs, mould/tooling job outputs, DFM results, instantly auto priced.

Platform & integrations (high level)

- Web application (browser-based)
- Authentication via Auth0
- Multi-tenant architecture (per-customer isolation)
- Cloud file storage for CAD and documents
- Background processing for CAD and long-running jobs

Cybersecurity

Customer CAD, quotes, and commercial data are treated as confidential. Tangible AutoQuote is operated on Plyable's multi-tenant cloud platform with security controls designed to keep each customer's data isolated and protected:

- Hosted on GCP (SOC 2 / SOC 3 infrastructure)
- Auth0 authentication with MFA support
- Multi-tenant isolation and role-based access
- Encryption in transit and at rest
- Daily encrypted backups
- Logging, monitoring, change control, and secure development practices
- Regular independent security scans/audits
- Data retained only as needed.