

IntegraUID™

Real-time Unique Identification (UID) Product Lifecycle Management Solution



What IntegraUID™ means to your UID initiative:

- Rapid validation and documentation for DoD and other UID standards compliance reporting.
- Tighter control over sub-assembly and sub-contracted parts deliveries.
- Higher parts availability – the right parts in the right place at the right time – for faster throughput.
- Better inventory accuracy, reduced shortages and less safety stock or redundant stores.
- Accurate as-built and as-maintained information for quality, warranty, MRO, performance-based logistics (PBL) and other lifecycle management activities – with cradle-to-grave visibility.
- Shorter repair cycle times.
- Accurate spare parts ordering.
- Improved MRO visibility and forecast accuracy.

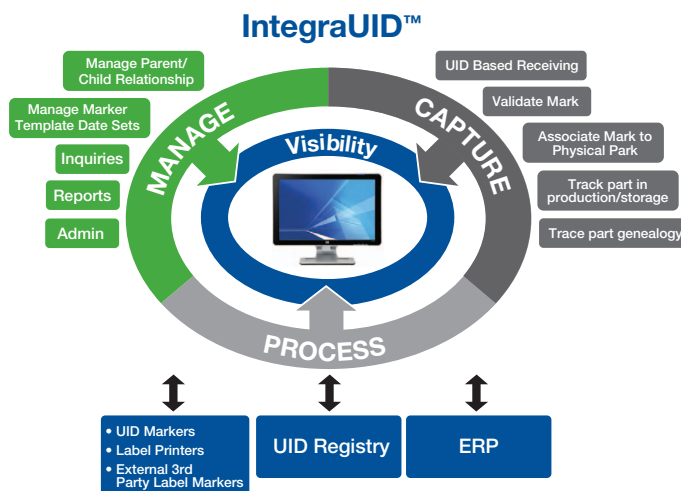
IntegraUID™ enables defense and commercial manufacturers to track materials and assets, as well as create as-built and as-maintained documents throughout a product's lifecycle based on its unique identification (UID).

Simplify UID collection, management and reporting

IntegraUID is a comprehensive software solution enabling manufacturers to improve materials and asset management practices using unique identification (UID) within their production, warehousing and maintenance operations. IntegraUID's primary functions are to:

- **Mark.** Create valid data files for UID labels and part markings.
- **Validate.** Check that a mark is valid.
- **Register.** Simplify and manage UID registration and updates.
- **Track.** Display location and movement of UID parts and assets at all production and warehouse facilities.
- **Trace.** Create materials and assets audit trails, parent-child relationships and product genealogies for as-built and as-maintained products.

IntegraUID enables manufacturers to easily achieve regulatory compliance and increased data quality, shorten repair times and improve lifecycle management sought from their UID initiatives.



2D Matrix

IntegraUID Feature Highlights

- Supports serialization, lot control, 1D and 2D bar-codes.
- Standards compliance for ISO 15434 and MIL-STD-130.
- US DoD registration of UID marks through WAWF interface.
- UID receiving and marking support.
- UID validation using Epic Data UID Validator™ on handheld scanning devices.
- Maintenance of UID audit trails, parent-child relationships, and genealogies of parts, sub-assemblies and products.
- BI Reporting.
- Seamless integration with ERP and other corporate systems.
- Works in conjunction with IntegraNet™ data management and IntegraTLC™ to track real-time T&L costing along with parts transactions.
- Support for multi-site deployment.

IntegraUID integrates and manages UID data collection, validation and registration, as well as managing serialization, audit trails and genealogy reporting to document a manufacturer's as-built and as-maintained products.

Streamlining Compliance, Safety, Lifecycle Management

The comprehensive capabilities of IntegraUID simplify the data management tasks associated with UID creation and tracking. More importantly, IntegraUID tracks the uniquely identified items, assets and parts throughout a manufacturer's multiple sites, providing real-time locations and tracking their movement through production and warehouse facilities.

Further, IntegraUID creates the audit trail of production activities and genealogies of sub-assemblies and products required to document as-built and as-maintained products. Uniquely marked parts can be tracked right through the recycling process to ensure compliance with regulatory or environmental requirements.

IntegraUID capabilities include:

1. **Mark** – IntegraUID interfaces with 2D Data Matrix label printers or direct part markers to create UID marks to comply with MIL-STD-130.
2. **Validate** – The UID mark of each item is checked as it is received or retrieved from stores using Epic Data UID Validator™ software operating on handheld scanners. Both the syntax and semantics of the mark is validated against the applicable standard. Validated marks are deconstructed, and can be posted to the UID Validator database to generate supplier compliance reports and be accessible by other applications.
3. **Register** – IntegraUID manages registration of the UIDs within central UID registries or repositories held by the manufacturer, customer or regulatory agency. For DoD contracts, IntegraUID interfaces with WAWF to simplify the user interface to the DoD's Registry.
4. **Track** – Once an item is marked, it is tracked as it is stored and moves throughout the manufacturer's warehouse, production and maintenance facilities. Operations personnel can quickly locate all items, or determine the status of a job, reducing time wasted looking for items and answers. Productivity and throughput are improved.
5. **Trace** – IntegraUID also improves lifecycle management through traceability by maintaining complete genealogies of sub-assemblies and products – as-built and as-maintained. Accurate genealogies streamline many quality and warranty management tasks, as well as improving repair cycle times and simplifying maintenance planning tasks such as spare parts forecasting. Further, with seamless integration to IntegraTLC, complete audit trails of production and usage activities can be generated for quick job costing and regulatory compliance reporting.

The Epic Data Integra™ Suite

Solutions for Real-Time Data Collection and Manufacturing Operations Management

IntegraUID is part of Epic Data's suite of software solutions that enable you to monitor and manage your shop floor in real-time. The other applications:

- **IntegraNet™** enables you to capture all your shop floor data and integrate it in real-time with other manufacturing applications.
- **IntegraTLC™** tracks workforce labor by work order, cell, line and plant to optimize productivity, facilitate time capture for payroll, and streamline job costing.

Used individually or in combination, Epic Data Integra Suite solutions result in:

- **Higher productivity and throughput.** Fewer parts shortages, less downtime while locating parts and people, and ease of re-assignment to respond to changes in demand or supply.
- **Higher margins.** Lower inventory costs, higher efficiency, less waste.
- **Responsiveness.** Real-time data available to respond to change-orders, demand fluctuations and supplier issues.
- **Product lifecycle management.** As-built and as-maintained genealogy for better materials, warranty and MRO management – from cradle to grave.
- **Better corporate information.** Accurate integrated data for ERP, performance reporting, job-costing, and payroll.
- **Simplified compliance.** Comprehensive support for UID, production audit trails, and product genealogy.

Call or email Epic Data to discuss how **IntegraUID™** will improve materials and lifecycle management.

ABOUT EPIC DATA

Epic Data is a trusted provider of Manufacturing Operations and Warehouse Management Solutions to the world's most progressive discrete manufacturers. We focus on knowing what is important to our customers and delivering solutions that last, resulting in relationships that have spanned over three decades.

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