



MatrixOne Materials Compliance Central™

Meet Global Environmental Compliance Mandates Throughout the Product Development Process

Meeting environmental compliance throughout the product development process is a *must* for companies that operate globally. This is especially true for High Tech manufacturers, who must meet RoHS and WEEE regulatory mandates and similar emerging initiatives in Asia and North America. Companies that adopt pro-active environmental compliance strategies by integrating “Design for Environment” technology, alongside best in class product development business processes can realize a competitive advantage, and thereby be prepared to handle global product compliance.

Thus far, many companies have been reactive to environmental regulations where compliance reporting and analysis is done late in the product development cycle. This approach requires significant resources and is not integrated into the overall product lifecycle. By implementing **MatrixOne Materials Compliance Central™** as part of an overall PLM strategy, product compliance with RoHS, JIG and WEEE requirements can be verified & integrated at every phase of the process. This allows product companies to avoid late-stage design changes and explore ways of improving product designs while still meeting compliance requirements. Companies can also reduce or eliminate the use of hazardous materials & substances in their products, thereby avoiding problems such as launch delays, recalls, fines, poor customer satisfaction and a damaged public image.

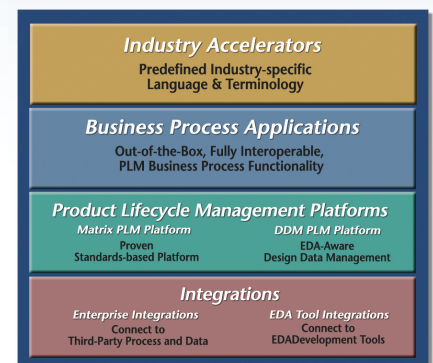
MatrixOne Materials Compliance Central enables companies to implement a Design for Environment solution with best business practices that include the ability to collect, integrate, analyze and report a product’s environmental compliance throughout its development lifecycle. Product development teams can check material content information from any design view, and are able to cross-reference this data against multiple regulations. Designers can quickly determine if components meet all the compliance standards and substance thresholds in order to make any necessary changes early in the design process. Reports can be generated that compare the compliance of manufacturing equivalents, list recyclable content, or evaluate best and worst case manufacturing location scenarios. Suppliers can be incorporated into the material compliance evaluation process to ensure the component library contains the most current material compositions and RoHS certifications. This provides critical information to design engineering when making choices based on the customer and/or market requirements that new products must meet. The net result is delivering innovative and environmentally compliant products that meet global market demands.

Business Process Application

With MatrixOne Materials Compliance Central, High Tech Companies are able to:

- Manage material data to meet customer and region specific compliance mandates
- Analyze a product’s compliance throughout the product development process
- Maximize the reuse of compliant components
- Rapidly assess product & supplier impact when new restricted substances are identified
- Initiate supplier material declaration requests, monitor supplier progress and accept/reject declaration submissions
- Integrate the Supply Chain for successful collection of RoHS certifications and material composition
- Securely protect IP in the reporting process, and enforce consistency
- Integrate and analyze external BOM structures
- Improve data quality by establishing a material declaration collection standard across the supply chain

ENOVIA MatrixOne PLM Environment



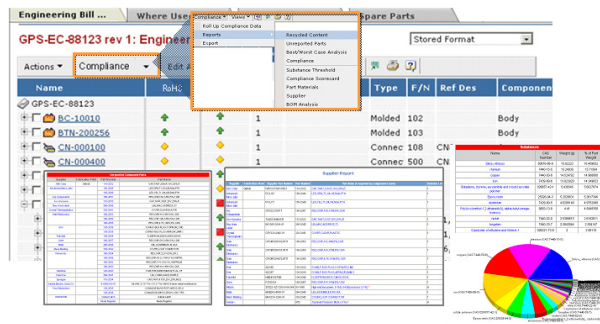
Features and Capabilities

Materials Data Management

Companies can manage and maintain material composition for make and buy components without disruption to design or production schedules. The management and collection of material composition helps companies assess their compliance against lead-free, EU RoHS, and JIG initiatives and scale to meet other emerging global regulations.

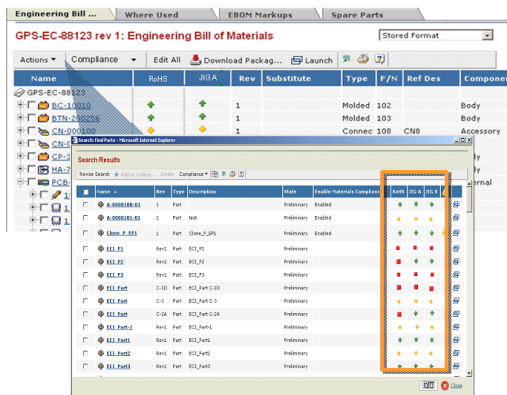
Materials Compliance Analysis

Engineering can easily generate part-level reports that meet customer or regulation specific reports; Substance Use, Substance Threshold, Multi-Level BoM Analysis Report and Recycled Content for WEEE are a few of the packaged analytic reports. Engineering can also analyze the product's compliance using what-if scenarios such as Make vs. Buy (internal vs. supply chain costs) using the Best/Worse Case Compliance Report.



Maximize the Reuse of Compliant Components

Design engineers can make component selection decisions based on the component's RoHS and JIG compliance rating. Administrators can configure these views to display other customer or region regulations such as China RoHS.



Security and Intellectual Property (IP) Protection

Critical IP is protected throughout the data collection and reporting process. All access to data, reports, and application functionality is role-based to provide organizations with the necessary security levels.

Assess Impact of New Restricted Substances

Advanced "where-used" capabilities allow engineers to quickly identify non-compliant components and the products that they are used in. Engineers can then leverage the extensive search capabilities to identify alternatives, or "green parts", as well as the identification of lead-free options.

Manage Supplier Material Declarations

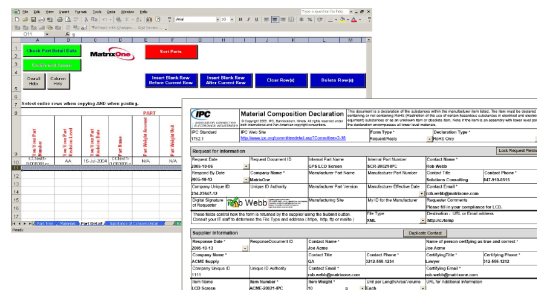
Compliance engineers can initiate and send material declaration requests, with due dates and instructions, to its supply chain. With Materials Compliance Central, compliance engineers can monitor the supplier's progress and review, validate and approve/reject all received supplier submissions.

Integrate the Supply Chain

With Supplier Portal, suppliers can view their assigned material declaration requests, review the customer's reporting deadlines and upload completed material declarations.

Reduce Data Quality Errors

Collect material composition and certifications from the supply chain using industry standard formats, RoHS version of Compliance Connect and full support of IPC 1752, class 1-6. Compliance engineers can submit, through the MCC importer, any digitally signed RoHS Compliance Connect or IPC 1752 XML file.



Integrate and Analyze External BOM Structures

Rule-based import and export capabilities allow compliance engineers to analyze BOM structures that are managed by external systems (e.g. ERP).

The Matrix PLM Environment

Being the industry's most robust and flexible PLM environment, Matrix PLM provides organizations with a single, secure environment that eliminates the barriers caused by geographically dispersed organizations and value chains, multiple disparate systems and increasing security requirements. The Environment consists of a portfolio of business process applications that work in conjunction with the Matrix PLM Platform and our broad offering of enterprise integrations.



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