

MANUFACTURING

**QUALITY
CONTROL**

**BILL OF
MATERIALS
& FACTORY
ORDERS**

**MATERIALS
REQUIREMENTS
PLANNING
& FORECASTING**

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KEY BENEFITS

- Time saving & flexible test classifications
- Automatic tracking
- Undertake unusual testing
- Avoid expensive re-testing
- Increased quality
- Quality consistency

Have you ever had to return an item to the manufacturer or retail outlet because it was faulty, damaged or outright broken? Irritating isn't it? Most of us have had to do this at least once in our lives and the nuisance value of the whole process can't be understated. Testing for quality assurance is an afterthought for some businesses or not part of the manufacturing process at all for others where the urgency to get products out the door takes precedence. The outcome becomes an exercise in false economics as the cost of having dissatisfied customers is considerable and over time will surely exceed the investment required for a robust Quality Control process.

To enable distribution and manufacturing oriented businesses to avoid such a situation, Greentree's Quality Control module will help you automate the quality control processes and tests for serialised, lot or batch tracked inventory items as well as for non-inventory items such as environmental or laboratory metrics.

Time-saving & flexible tests, classifications and automatic tracking

Each test is designed to describe the test measure being assessed and these tests are assigned to a Test classification

as a means to logically group, view and perform related tests. For example in the food manufacturing industry, test classifications may include Product Identification, Microbial and Chemical property tests etc... You can define as few or as many tests as you require to be performed within each classification and you can design different tests for inventory items versus non-inventory items. Once tests have been classified and assigned to a serialised, lot or batch tracked inventory item, their progress can be automatically tracked through the quality control process.



“For the first time in Stahmann Farms history, our Quality Control process has been integrated with Inventory Management making it an entirely embedded process – Inventory Management now has new discipline around it together with high visibility of exactly what’s going on.”

John Howard, Finance and Administration Manager,
Stahmann Farms

Ensure compliance and traceability

Each Greentree process for receipting an item, such as a Purchase Order or Factory Order receipt can be set to a user defined status, eg. Quarantined or QC in Progress, and are automatically assigned their defined tests and test specifications.

This saves time and effort and ensures that nothing slips through your Quality Control procedures until it passes. Once tests are assigned, each Test analyst can view their workload on screen and know just what tests they have in progress or have yet to perform. As test are performed, results from each test specification can be recorded along with who tested, the date and unlimited notes required to elaborate on the test procedure or results can be added.

Each individual test in the suite can be passed or failed, however it is not necessary for all individual tests to pass before the overall test suite can be passed, but each test must be completed. This provides flexibility for subjective tests such as colour, aroma etc.

Have you ever wondered how you would go about a product recall? What manual effort this would require or if it would even be possible with your current software? Greentree's Quality Control software will allow you to easily trace all items sold either by serial number or from a particular batch or lot, so you can identify the customers and provide them further information as the situation requires.

Checks, balances and controls ensure faulty items are never released for use or sale

Items that fail quality control tests are automatically assigned a user definable status that will ensure they are unavailable for sale or use, unless deliberately released by someone with approval authority. You have the reassurance of knowing that faulty items will never be inadvertently distributed or sold to your customers. Products that pass are automatically made available for distribution and sale. Checks and balances at every critical point in the process ensure you have complete control - you can be assured of the quality of your quality control process.

Undertake broad range testing – no need for extra modules

You can design, monitor and approve any test environments, even if not inventory related, such as the temperature and humidity of a freezer, room or building if you wish. As is the case for inventory item quality testing, the same approach to designing tests, test specifications and classifications are available so there's no need to buy additional software for this purpose.

High visibility of the test configuration including personnel – avoids expensive re-testing

Comprehensive information is provided about a test configuration eg. Personnel, classifications, authorised approvers, test analysts etc. so an easy review can be undertaken at any time. If resource or other aspects of a specialised test aren't available at some point during the test phase the validity of the test results may be affected. Being able to monitor availability of personnel at any time avoids a potentially costly and time-consuming repeat test.

“Now we can’t sell items that haven’t been cleared through our quality control system and this has ultimately reduced our business risk.”

John Howard, Finance and Administration Manager,
Stahmann Farms

INTEGRATION WITH OTHER GREENTREE MODULES

Greentree’s modular system builds upon and integrates with all other modules to ensure that every drop of business intelligence is extracted from every transaction right across the business – nothing goes to waste. This translates into aggregated business value and you need only purchase the modules that best fit your business.

The Quality Control module integrates with Inventory, Purchase Order receipting as well as Manufacturing. Greentree’s Business Process Management and Approvals & Alerts module can also be used to manage test approval processes where multi-level approvals are required.

KEY FEATURES

- Flexible test design
- Tests grouped into classification
- Unlimited tests within a classification
- Automatically makes items unavailable for use or sale until approved
- Enforce compliance to quality standards
- Track product through to customer by serial number, batch or lot ID
- Ability to flag users as test analysts and/or authorised approvers
- Segment responsibilities for testing and approval
- Test Analyst workload view provided with drill down to detail
- Online overview of all Quality Control information configurations for classifications, tests and item
- Non-inventory Quality Control tests supported

CASE STUDY: Stahmann Farms

PROBLEM Stahmann Farms is a specialist grower of pecan nuts in Australia, where quality control is everything. The risk of inadvertently releasing quarantined product to customers is even greater when parts of the business process are manually undertaken and inventory is not linked directly to the Quality Control process. John Howard, Finance and Administration Manager, says that business growth, shortened customer supply time cycles and inventory management imperatives had increased the business’s risk, and amplified the need for greater visibility of inventory.

SOLUTION Greentree Quality Control is a real-time system that enables staff to quickly ascertain the location and status of inventory at a glance. There is now no need to waste time actually physically inspecting stock to find out its status, or to physically separate quarantined inventory.

OUTCOME Howard believes that Stahmann Farms has reaped 80-90% of the benefits of Greentree’s quality control module integration upfront. He says inquiry times have been dramatically reduced and this has had a flow-on effect in promoting better business practices. “Now we can’t sell items that haven’t been cleared through our quality control system and this has ultimately reduced our business risk,” he says.

For more information visit
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