

# Advanced Quality Management (AQM)

## Objective

As a fully featured ERP system SYSPRO provides the ability to manage almost all of your business's key processes. However there will always be some processes which are unique to your particular organisation. The AQM module enables your company to incorporate these key processes and procedures within the SYSPRO system.

AQM allows you to define procedures, such as quality tests, that can be triggered by events within SYSPRO. These procedures can capture, report on and process specific data. For example:

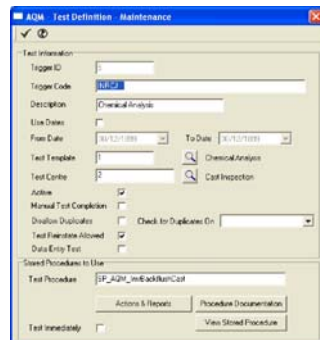
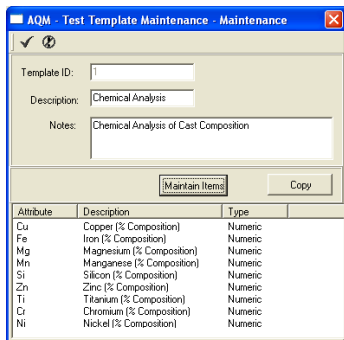
- after a new Stock Code is created a workflow is generated to ensure all relevant data is captured and stored against the stock record;
- after a Works Order has been added a procedure is created for capturing physical test results e.g. Chemical Analysis or Mechanical Properties;
- after a Purchase Order receipt a mechanism is provided for sample inspection testing and approval.

## Procedure Structure

The procedures themselves are totally user definable. They can be tailored via a set of parameters such as:

- when the procedure should be triggered;
- what follow on processes need to be triggered. For example when the procedure is completed or if it passes or fails any validation criteria / tolerance checks;
- any reports / forms that need to be printed or exported and e-mailed as part of the procedure;
- the template containing all the attributes that define the data to be captured.

A variety of attribute types are available including Numeric, Text, Date, Drop-down list, Lookup Enquiry and Calculated.



## Procedure Process

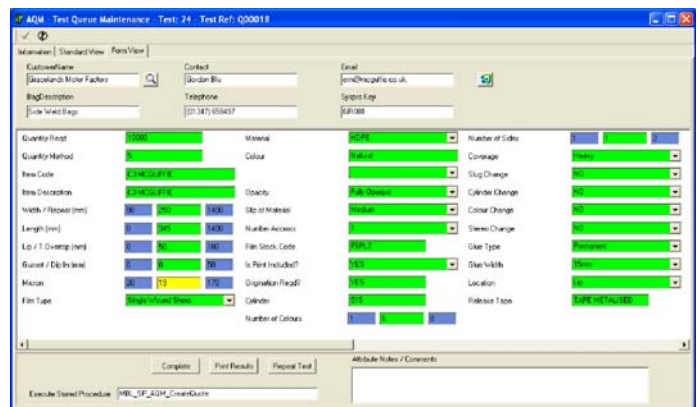
Once a procedure has been initiated via a specific event or trigger within SYSPRO, it is either run immediately for the operator to complete or it is placed in a work queue.

Within this queue, procedures can be grouped by business area e.g. Final Inspection, Goods Inwards etc. Users can be restricted to only have access to their respective business area.

Data entry takes place via a form giving access to all attributes assigned to the procedure. The Procedure can be completed in full or partially with the Procedure being returned to the queue for later completion. Test results can also be imported from external sources.

Attributes have immediate visual pass / fail colour coding. Any failure can trigger either an immediate re-test of the particular attribute or, if the attribute is flagged as being critical, the procedure can be put into review. The review process allows for concessions or full / partial re-test to take place.

Any reports or documents attached to the procedure can be printed from within it.



## Summary

- Multi-type procedure template definition
- Conditional triggering of a procedure from any standard SYSPRO event or trigger point
- Procedure work queue automatically maintained
- Enter results in full or in part as procedure progresses
- Importing of test results
- Go / No go indication with highlighting of failed elements
- Automatic triggering of reports e.g. Certificate of Conformity
- Comprehensive test results analysis and statistics through custom enquiries

## Additional Functionality

### General Enquiries

The General Enquiries element within AQM allows for the creation of custom queries.

When a particular enquiry is run, the results are displayed within a grid that allows for grouping, sorting and filtering to take place. Any changes made to the grid view are saved for that particular operator. Reports can also be added to these enquiries as necessary.

Any designated key field within an enquiry can be used to open a specific standard SYSPRO query e.g. Inventory Query.

### User Table Maintenance

The User Table Maintenance feature allows for data to be entered directly into any additional user defined tables added to the SYSPRO database.

### User Interface

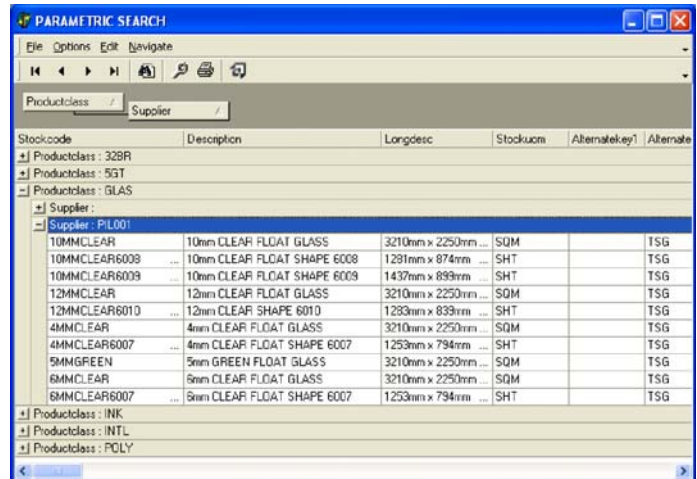
Each element of the AQM program can be added to SYSPRO's 'My Menu' on an Operator or Group basis e.g. Individual General Enquiries or launching a specific manual procedure.

### Integration

AQM integrates with SYSPRO's Business Components to enhance its workflow capabilities.

### Prerequisites

SYSPRO - SQL Server version



The screenshot shows a window titled 'PARAMETRIC SEARCH' with a menu bar (File, Options, Edit, Navigate) and a toolbar. Below the toolbar are input fields for 'Productclass' and 'Supplier'. The main area contains a table with columns: Stockcode, Description, Longdesc, Stockuom, Alternatekey1, and Alternate. The table is filtered by 'Supplier: PIL001' and shows several rows of glass products.

Stockcode	Description	Longdesc	Stockuom	Alternatekey1	Alternate
10MMCLEAR	10mm CLEAR FLOAT GLASS	3210mm x 2250mm ...	SQM		TSG
10MMCLEAR6008	10mm CLEAR FLOAT SHAPE 6008	1291mm x 874mm ...	SHT		TSG
10MMCLEAR6009	10mm CLEAR FLOAT SHAPE 6009	1437mm x 899mm ...	SHT		TSG
12MMCLEAR	12mm CLEAR FLOAT GLASS	3210mm x 2250mm ...	SQM		TSG
12MMCLEAR6010	12mm CLEAR SHAPE 6010	1293mm x 839mm ...	SHT		TSG
4MMCLEAR	4mm CLEAR FLOAT GLASS	3210mm x 2250mm ...	SQM		TSG
4MMCLEAR6007	4mm CLEAR FLOAT SHAPE 6007	1253mm x 794mm ...	SHT		TSG
5MMGFEEEN	5mm GREEN FLOAT GLASS	3210mm x 2250mm ...	SQM		TSG
6MMCLEAR	6mm CLEAR FLOAT GLASS	3210mm x 2250mm ...	SQM		TSG
6MMCLEAR6007	6mm CLEAR FLOAT SHAPE 6007	1253mm x 794mm ...	SHT		TSG