

The rapid solution to
quality and process control



The **identiPol QA** is a revolutionary new product from Triton Technology. A simple one-stop method that provides a holistic approach to checking the **quality** of mouldable thermoplastics. This supports a variety of key aspects in the quality and **control process** of the polymers and plastics industry.



This compact instrument provides a fast and efficient way of characterising and analysing thermoplastic material at any point of your process. Identifying any poor material in the crucial initial stages can prevent loss of time and money in processing sub-standard materials.

Currently, the majority of companies utilising plastics to produce goods have limited facilities for testing and have no option but to believe that the material is what it is supposed to be. When this turns out to be untrue it can result in lost production and scrap material.

A significant energy use is required for converting plastics and therefore pre-testing will save time, energy and money.



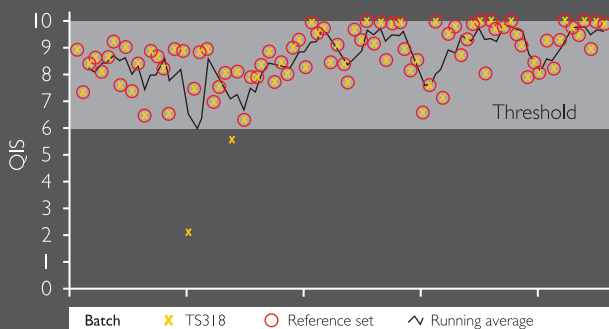
What is the identiPol QA?

What does it do?

In essence the identiPol QA learns. The user will run a control batch (10 or more samples) through the equipment, so it can identify the product you are looking at. Then, when you receive a new batch of polymers from your supplier it's simply a matter of running test samples on it in order to rate your new stock against the master sample you will have pre-programmed. The identiPol QA will produce a Quality Index Score (QIS) for each sample, giving you a quick indication of how it compares.

How does it work?

The Quality Index Score (QIS) is determined by comparing the thermo mechanical properties of the test sample against a previously established reference set.



A single figure between 0 and 10 helps easily assess the like-for-like qualities. This is a logical and accurate way of monitoring any change, in process or material.

The instrument can be trained for as many different materials as required. No limitation exists and therefore it can build up a database of polymer knowledge.

What are the benefits to me?

- > Ease of use allows anyone to run the instrument
- > Quick traceable quality assurance
- > Reduces the risk of processing poor material, or having to keep manipulating the process to accommodate changes in the materials
- > Reduces the risk of wastage
- > Saves time due to not running sub-standard checks

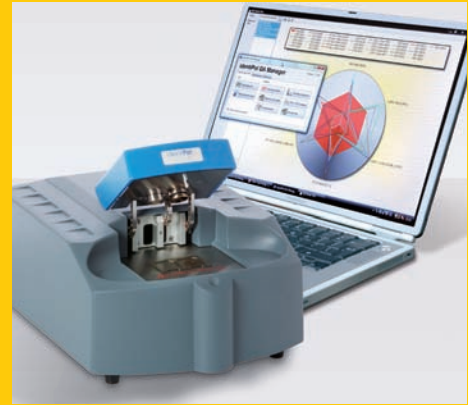
How do I get one?

To discuss the identiPol QA's features, and how it could benefit your company specifically, contact anyone in the Triton Technology team on 0115 937 5555 – they will be happy to help.

Triton can also provide an effective back up and support service for full investigations into materials that are out of specification.

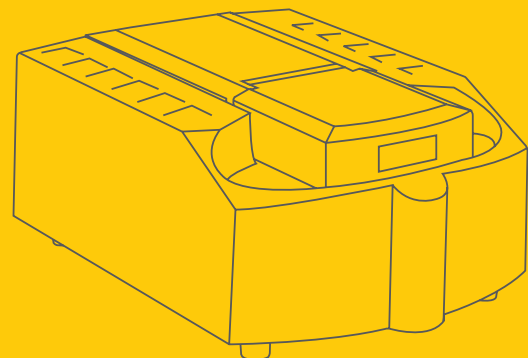
identiPol QA is...

- > Quick to set up – plug in and go
- > A compact, lightweight and portable instrument
- > Easy to use with step-by-step guided software
- > Flexible – so a variety of samples can be tested using patent applied for (0719768.4) holders
- > Built to ISO 9001 standards
- > Inclusive of further comprehensive data analysis



Specifications

Sample Size	20 to 30mg (one or two plastic granules)
Temperature range	Ambient to 350°C
Heating Rate	10 – 100°C/min
Standard output	Quality Index Score (QIS) (DPID - Distribution of Pairwise Intersample Distances)
Optional outputs	Complex thermo-mechanical property data; tan delta, stiffness and delta T (-T)
Connections	240/110V AC Universal power supply USB interface
Conformance	Low Voltage Directive 73/23/EEC as amended in 93/68/EEC EN6101-1:2001 EMC Directive 2004/108/EC EN61326-1:2006



For more details of how the **identiPol QA** could help your business, please call 0115 937 5555.



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