

# Solutions@Mecmesin

## Wine Cork Pull-out Test

### Specification

The customer required an economic and easy-to-use system to test the extraction force of corks from glass wine bottles.

The test specifies a speed of 300mm/min according to ISO 9727 and the corkscrew should be applied to a depth of minimum 3mm below the base of the cork.

### Solution

A corkscrew with a 'loop handle' was used so that it could be placed easily in a fixed test hook. The corkscrew was first screwed into the cork by the operator ready for loading onto the hook.

The bottle was then held down to the base plate of the test stand by a collar mechanism, positioned over the neck of the bottle.

The collar mechanism was made freely adjustable on two rods to allow testing of bottles of varying heights. The peak tension-force to extract the cork was then recorded on the gauge.

### System

- VersaTest Motorised Test Stand
- 1000N BFG
- Corkscrew with Loop Handle
- Wine Bottle Retaining Fixture

### Supplied to

Vascil and Lycos, Portugal



#### Mecmesin Limited

Newton House, Spring Copse Business Park, Slinfold,  
West Sussex, United Kingdom, RH13 0SZ

[sales@mecmesin.com](mailto:sales@mecmesin.com)

t: +44 (0) 1403 799979 f: +44 (0) 1403 799975 [www.mecmesin.com](http://www.mecmesin.com)

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