

# Marshall Testing

## Related Standards

**British** BS EN 12697-34

**American** ASTM D6927-15

VJ Tech has developed a tried and proven system for undertaking a Marshall Test. The Marshall Test is used to determine the properties of a finished asphalt concrete surfacing structure mix to be used for construction of roads or pavements.

The Advanced Triplex II is a stepper motor controlled digital 50 kN machine with inbuilt datalogging and is ideally suited to laboratory Marshall testing. The microprocessor based design provides accurate speed control to conform to both BS EN and ASTM standards, and a rapid platen adjustment speed is also available. The Breaking Head Stability Mould is manufactured to a very high standard in a non-corrosive material and accessories are available for Load and Flow measurement.

## Features

- Large LED display with adjustable contrast
- Manual or automated operation
- RS232 port included
- User friendly software for partial or complete automation
- Inbuilt data logging
- Live display of Load and Displacement measurements
- Two additional Channels for alternative Load capacities

## Ordering Information

<b>VJT5011-ADV</b>	Triplex Multitester with inbuilt data logger
<b>VJT5561</b>	Breaking Head Stability Mould (4" diameter)
<b>VJT5563</b>	Stability Mould Base Plate (required to locate the Breaking Head Stability Mould on the Load Frame).
<b>VJT-csMARS</b>	Clisp Studio Marshall Test Software

## Specifications

Load capacity	50 kN
Speed Range	0-50.8 mm/min
Fast Platen Adjustment Speed	50 mm/min
Vertical Clearance	1000 mm
Horizontal Clearance	380 mm
Platen Diameter	158 mm
Power Supply	90-240V, 50/60Hz, 1ph
Dimensions (W x D x H)	480 x 445 x 1490 mm
Weight	100 kg



*Marshall Testing System*

## VJT Clisp Studio csMARS Software

- Wizard for easy Test setup
- User Defined data logging intervals
- Automated Test control
- Display of live data in Tabular or View format
- Display of Live data in Graphical format
- Easily viewed results with data export to Excel
- Entire Test export and import using script

## Load and Flow Measurement Options

<b>VJT0365</b>	50 kN S-Beam External Load Cell
<b>VJT0288B</b>	Adaptor set to use 50 kN S-Beam Load Cell for Marshall test
<b>VJT0271</b>	Displacement Transducer (LSCT) 25 mm travel
<b>VJT0281A</b>	Bracket to use 25 mm LSCT for Marshall