

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 TrSCAN 50 is a stepper motor controlled digital 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

- Integrated 7" Touchscreen Colour Display for Standalone use without PC Control if required
- High Speed ARM Processor
- User friendly software for partial or complete automation
- Inbuilt data logging
- Live display of Load and Displacement measurements
- On-board data logging with large data storage (up to 14 million records) using SD card (8GB standard)

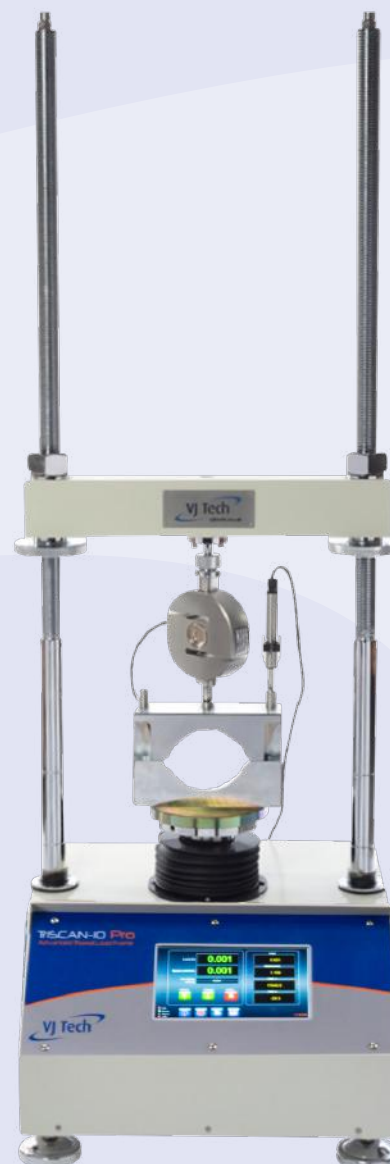
Ordering Information

VJT50000-P	TriSCAN Pro Advanced (50 kN)
VJT5561	Breaking Head Stability Mould (4" diameter)
VJT5563	Stability Mould Base Plate (required to locate the Breaking Head Stability Mould on the Load Frame).
VJT-csMARS	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

*30 kN nominal at 50.8 mm/min



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

VJTS0365	50 kN S-Beam External Load Cell
VJT0288B	Adaptor set to use 50 kN S-Beam Load Cell for Marshall test
VJT0271	Displacement Transducer (LSCT) 25 mm travel
VJT0281A	Bracket to use 25 mm LSCT for Marshall