



VJT5000-P - TriSCAN 50 Pro Advanced

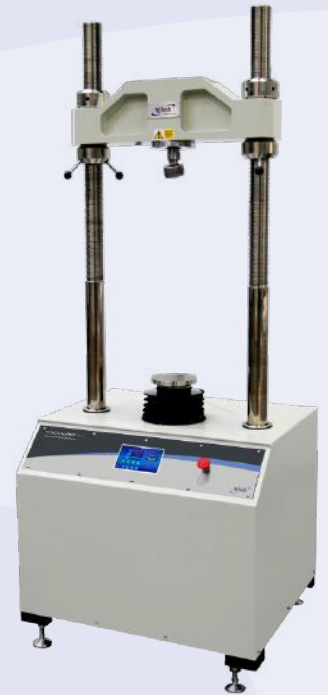
The TriSCAN 50 kN Pro Advanced. Our best selling Triaxial Frame, popular with customers for its versatility and many applications



VJT5135-P - TriSCAN 10 Pro Advanced



VJT5110-P - TriSCAN 100 Pro Advanced



VJT5125-P - TriSCAN 250 Pro Advanced

TriSCAN Pro – Our Most Advanced Triaxial Frame

Related Standards*

British BS1377-7:1990, BS 1377-8:1990, BS EN ISO 17892-7:2017, BS EN ISO 17892-8:2018, BS EN ISO 17892-9:2018

American ASTM D2166/2166M-13, D2166/2166M-16, D2850-03A, D2850-15, D4767-95, D4767-11, D7181-20

Australian AS1289.6.4.1 (1998, 2016), 1289.6.4.2 (1998, 2016), T171 Texas**

Hong Kong GEOSPEC 3:2001

* Please refer to csTriax Datasheet for details

** Except with TS10 frame

The TriSCAN Pro range of Load Frames are specifically designed for soil testing laboratories, mainly for conducting Consolidated Drained (CD) Triaxial testing, Consolidated Undrained (CU) Triaxial & Stress Path (requires csSPATH module), but specific frames can also be used for other tests (Unconfined Compressive Strength (UCS) tests, Double Wall Unsaturated Triaxial Tests and CBR tests).

They are manufactured to a high specification from quality materials and have a high resolution. The Advanced frames have 6 inputs for datalogging (5 Analogue and 1 Digital), whereas the Standard Frames require a separate datalogger. Both versions are available at 10, 50, 100 or 250 kN capacities.

They also feature an Integrated 7" (178 mm) Touchscreen Colour display which can be used for standalone data entry & frame control. For Advanced Frames, calibration data, sensor related configuration data & logged Test data is stored on the internal SD memory card. Test data can be output to Excel.

TriSCAN Pro Standard & Advanced Common Features

- USB or Ethernet Interface for PC control
- Integrated 7" Touchscreen Colour Display for Standalone use without PC Control if required
- High Speed ARM Processor
- Auto reverse from limit switch activation
- Non-Volatile memory for relevant configuration data
- Multiple TriSCAN Pros can be controlled from a single PC via a LAN or Ethernet/USB hub

TriSCAN Pro Advanced Specific Features

- In standalone control, frames are capable of Strain and Load control
- On-board data logging with large data storage (up to 14 million records) using SD card (8GB standard)
- Data export to PC for manipulation within Excel
- High Speed sensor conversion (24 bit, up to 4000 samples/sec)
- Built-in live data table and graphs
- Built-in Auto engaging function with definable engage value
- Built-in auto protection for sensor limits

Additional Feature (Pro Advanced only)

- Capable of Slow Cyclic Testing up to 0.1 Hz (Subject to Amplitude)

TriSCAN Pro – The Advanced Triaxial Testing Machine

Ordering Information

Capacity	TriSCAN Pro Standard	TriSCAN Pro Advanced
10 kN	VJT5035-P	VJT5135-P
50 kN	VJT5010-P	VJT5000-P
100 kN	VJT5100-P	VJT5110-P
250 kN	VJT5025-P	VJT5125-P

Specifications (both Standard & Advanced Machines)

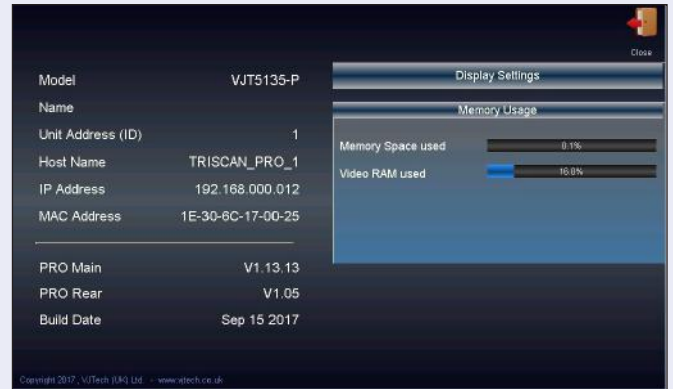
Frame Capacity	10 kN	50 kN*
Vertical Clearance	880 mm	1000 mm
Horizontal Clearance	276 mm	380 mm
Platen Diameter	158 mm	158 mm
Max. Triaxial Cell Size Accomodated	75 mm	150 mm
Platen Adjustment	0.00001 - 99.99999 mm/min	0.00001 - 99.99999 mm/min
Platen Adjustment Distance	Nominally 75 mm	Nominally 100 mm
Power Supply	90-240VAC, 50/60Hz, 1ph	90-240VAC, 50/60Hz, 1ph
Dimensions (W x D x H)	365 x 370 x 1200 mm	480 x 445 x 1490 mm
Weight	40 kg Nominal	110 kg Nominal <small>*30 kN nominal at 50.8 mm/min</small>

Specifications (both Standard & Advanced Machines)

Frame Capacity	100 kN**	250 kN
Vertical Clearance	1070 mm	1100 mm
Horizontal Clearance	500 mm	550 mm
Platen Diameter	158 mm	158 mm
Max. Triaxial Cell Size Accomodated	150 mm	300 mm
Platen Adjustment	0.00001 - 99.99999 mm/min	0.00001 - 50.00000 mm/min
Platen Adjustment Distance	Nominally 100 mm	Nominally 100 mm
Power Supply	90-240VAC, 50/60Hz, 1ph	90-240VAC, 50/60Hz, 1ph
Dimensions (W x D x H)	630 x 450 x 1630 mm	850 x 900 x 2300 mm
Weight	190 kg Nominal	450 kg Nominal <small>**45 kN nominal at 50.8 mm/min</small>



TriSCAN Advanced touchscreen display showing main details and controls.



TriSCAN Advanced touchscreen display showing Instrument Information



TriSCAN Advanced touchscreen display showing Load Calibration Screen



TriSCAN Advanced touchscreen display showing Graph of Test Results