



VJT 2571 ShearSCAN 2 Pneumatic Direct/Residual Shear Box

## ShearSCAN 2 Pneumatic Direct/ Residual Shear

The VJ Tech ShearSCAN 2 utilises the pneumatic loading concept for applying the vertical load to the sample. The self-contained tabletop model eliminates the need for numerous weights used in dead weight systems.

The Microprocessor based ShearSCAN 2 system incorporates a stepper motor drive, a large graphical display, a touch sensitive keypad and forward/reverse travel limit switches. Built in data acquisition automates the testing by setting the starting and stopping conditions.

The ShearSCAN 2 is designed for harsh lab environments. A solid 30mm thick shear box assembly is mounted on a sturdy enamel painted steel cabinet. The upright rods and the shear box are stainless steel.

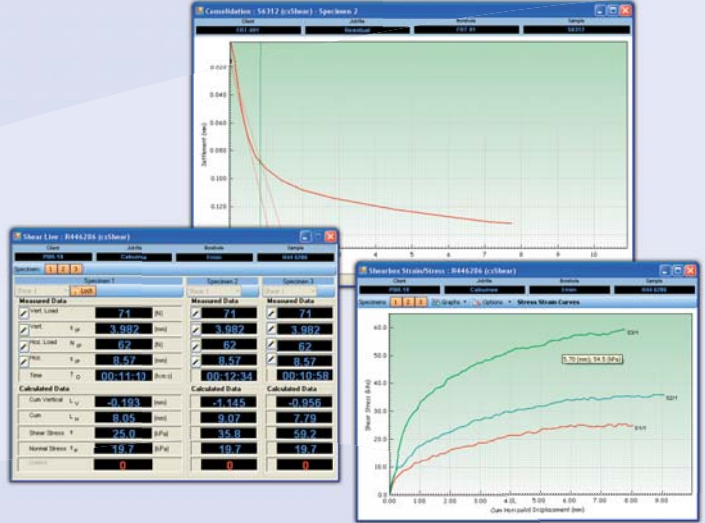
The shear box carriage (water chamber) is cast aluminium, anodised for corrosion resistance.

- Windows menu driven system
- Microprocessor control with stepper motor based design
- Large graphic display 75x125mm
- 20 keypad membrane for direct entry
- Variable speed, 0.0 to 10.0000mm/min
- Accepts specimens up to 100mm
- Up to 250 reading per channel with time stamp
- Logging modes include (Linear, Incremental and Custom)
- View test data in tabulation and graphical form
- Password protected test/channel configuration and calibration
- Non-volatile storage of test data and calibration
- Battery backed real time clock
- RS232 interface for computer/printer
- Optional csSHEAR Windows software

Meets BS 1377 and ASTM D3080

**VJT-csSHEAR - Clisp Studio Direst/Residual Shear Software:**

- To BS1377 Standard
- Data logging
- Consolidation
- Direct/Residual Shear tests
- Multi specimen tests
- Automatic vertical loading (subject to hardware)
- Automatic start/stop of test/machine
- Live Tabular display of logged and calculated data
- Live Graphical display of logged and calculated data
- User defined views / graphs / tables
- Standard predefined presentation reports
- Export of data to Excel or Paste to clipboard



# ShearSCAN 2 Pneumatic Direct/ Residual Shear

**VJT2571 Specifications**

<b>Horizontal Travel</b>	21mm
<b>Speed Range</b>	0.00001 to 10.00 mm/min 0.0001 to 0.400 in/min
<b>Vertical Load</b>	10kN max.
<b>Horizontal Shear Force</b>	5kN max.
<b>Power Supply</b>	110 - 240V AC
<b>Dimensions (L x W x H)</b>	760 x 368 x 558mm
<b>Net Weight</b>	87.5kg

**Ordering Information**

<b>VJT2571</b>	ShearSCAN 2 with 5kN load cell and built-in 4 channel data logger
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**Accessories**

<b>VJT50362</b>	Load cell 10kN
<b>VJT0270</b>	Vertical Strain Transducer 10mm
<b>VJT0271</b>	Horizontal Strain Transducer 25mm
<b>VJT0284</b>	Mounting Brackets for transducers

**Sample Accessories**

Sample size	60mm sq.	60mm dia.	100mm sq.
Shear Box assembly (including stone)	<b>VJT2761S</b>	<b>VJT2761D</b>	<b>VJT2762S</b>
Cutter	<b>VJT2552.06S</b>	<b>VJT2552.06D</b>	<b>VJT2552.10S</b>
Dolly	<b>VJT2553.06S</b>	<b>VJT2553.06D</b>	<b>VJT2553.10S</b>
Stone (porous plate)	<b>VJT2554.06S</b>	<b>VJT2554.06D</b>	<b>VJT2554.10S</b>

Sample size	100mm dia.	2.5" sq.	2.5" dia.
Shear Box assembly (including stone)	<b>VJT2762D</b>	<b>VJT2763S</b>	<b>VJT2763D</b>
Cutter	<b>VJT2552.10D</b>	<b>VJT2552.2.5S</b>	<b>VJT2552.2.5D</b>
Dolly	<b>VJT2553.10D</b>	<b>VJT2553.2.5S</b>	<b>VJT2553.2.5D</b>
Stone (porous plate)	<b>VJT2554.10D</b>	<b>VJT2554.2.5S</b>	<b>VJT2554.2.5D</b>

