

Mecmesin

testing to perfection

VectorPro™ Lite

Force and Torque Data Acquisition Software



Release the potential of your force and torque test systems. Store test routines, plot data live, calculate key results, export data and print test reports.

New generation software for Mecmesin MultiTest-dV and Vortex-dV systems and digital instruments.

VectorPro™ Lite

VectorPro™ Lite is dedicated software for storing basic test routines for use with the Mecmesin *dV* range of force and torque test stands. It acquires data from force and torque sensors, performs calculations on the data, and passes data and results to export, file or report.

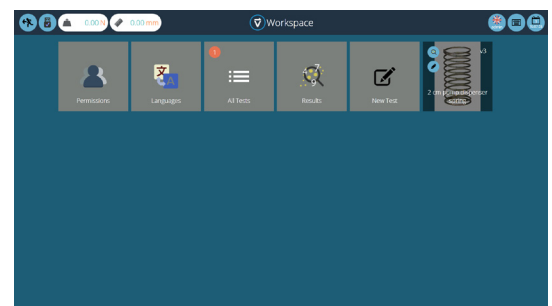
Operational sequences (or test routines) are easily constructed by drag and drop, and subsequent editing includes version control. Attributes, or tags, for any kind of test can be created and used flexibly in order to best describe and record their purpose, for clarity and ease of use.

VectorPro™ Lite can also be used with a range of Mecmesin digital instruments for load/torque vs time graphing, data acquisition, and results calculation.

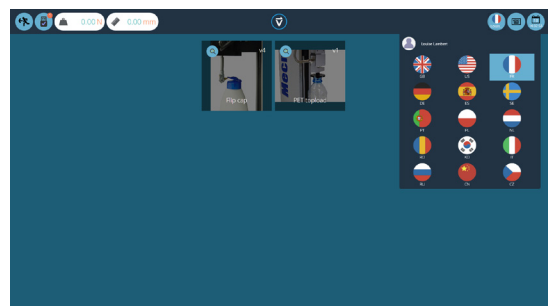


Key Features

- Drag and drop approach to test building
- Store, edit and recall any test sequence
- Real-time graph plotting
- Sophisticated graph examination and comparison tools
- 12 standard calculations with validation criteria
- immediate display of results
- automatic or manual export of raw data and/or results
- report writer to PDF
- user accounts and security
- personalised workspace, in language of choice
- design also ideal for touch screen PCs

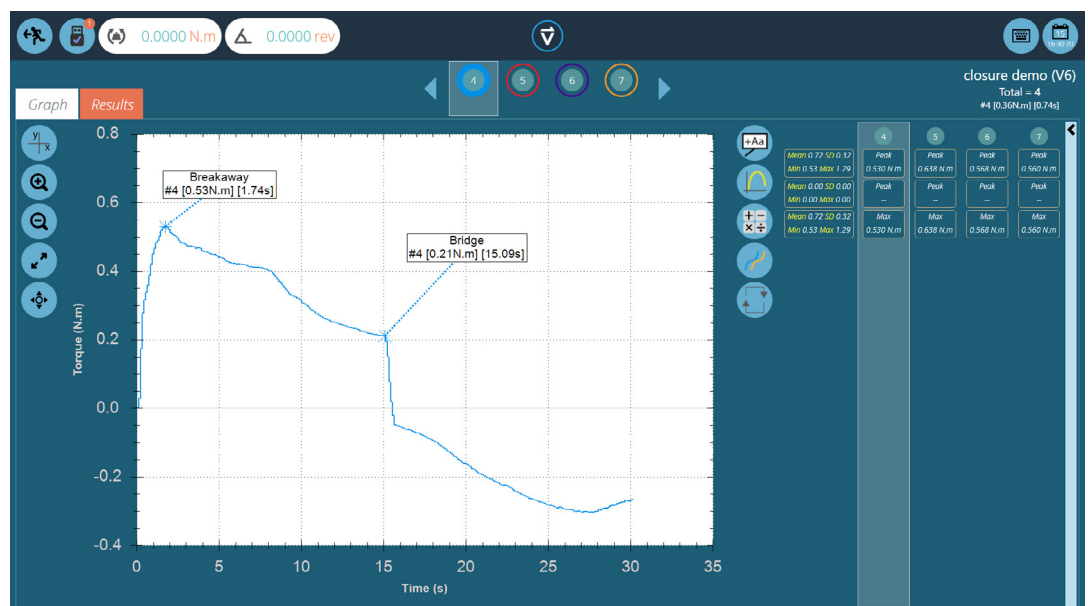


clean workspace... ▲



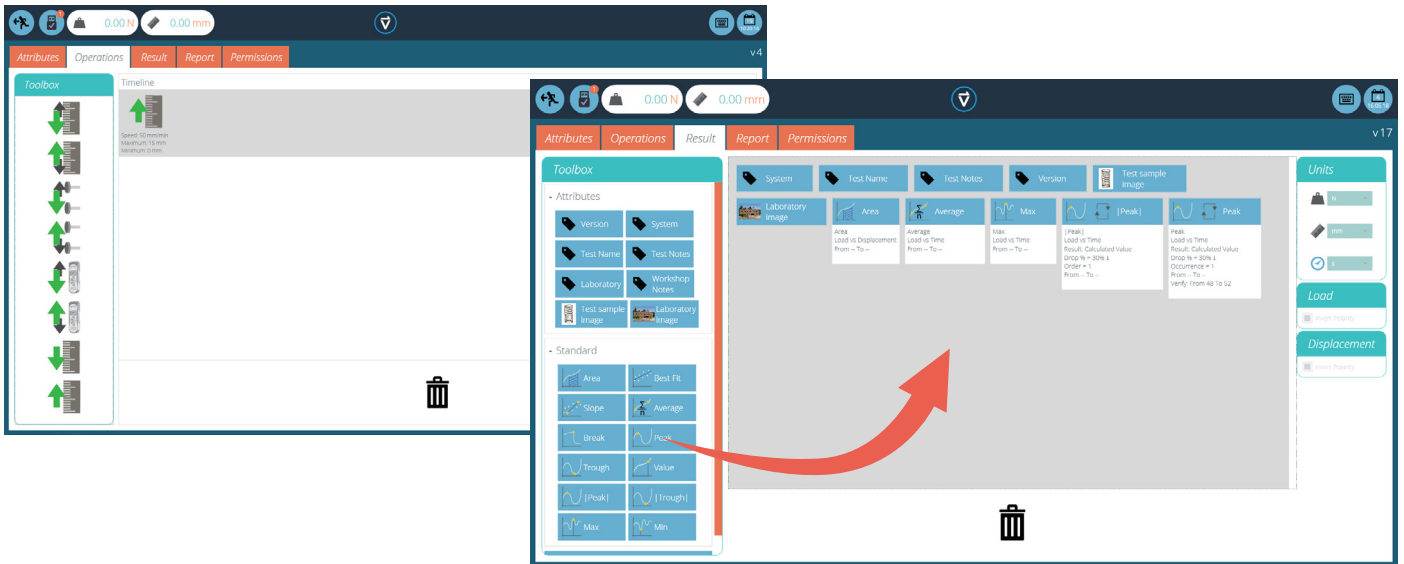
...customised for the user ▲

clear graphing tools ►



Drag and drop approach to test building

VectorPro Lite has a drag and drop approach to test building, to enable rapid and intuitive creation of operational sequences, calculation additions and report compiling. Create repeatable tests in moments and refine them as you go. Each test profile has full version tracking and results storage, along with customisable test summary information in the form of images, labels and notes.



Store, edit and recall any test sequence

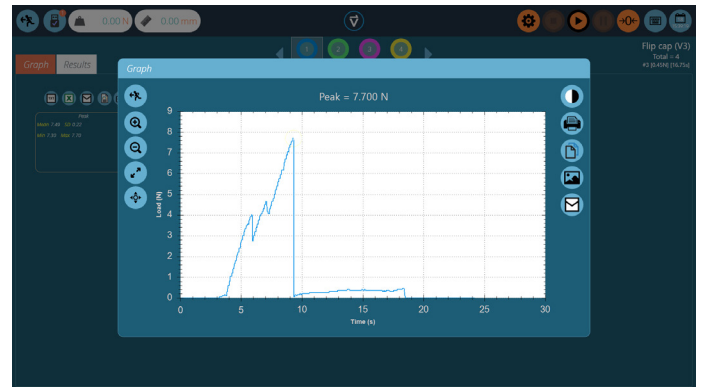
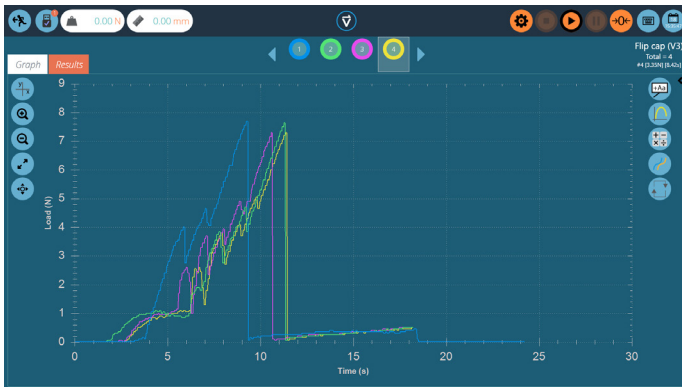
A complete version history of every test profile is retained. Profiles can be edited, uploaded and run, results viewed and reported on, according to permissions granted for each user. This adds security but also makes it simpler for the regular repeat user.

Add calculations with validation criteria



Real-time graph plotting of tests

View tests as they run, with instant calculation or pass/fail results. Switch axes, zoom in, pan across, examine data point values, and offset sample traces for clarity and comparison. Any results can be re-viewed at any time.



Results handling

- Compare the plots of tested samples and add spot calculations not included in the test profile.
- Select out the samples you want to compare, and adjust calculation parameters temporarily or to save.
- Export raw data, or results, to delimited or Excel files, email a table of results. Create a report of results, graphs and notes to print or save as PDF.

Offset samples

Export data

Export

User-defined report templates

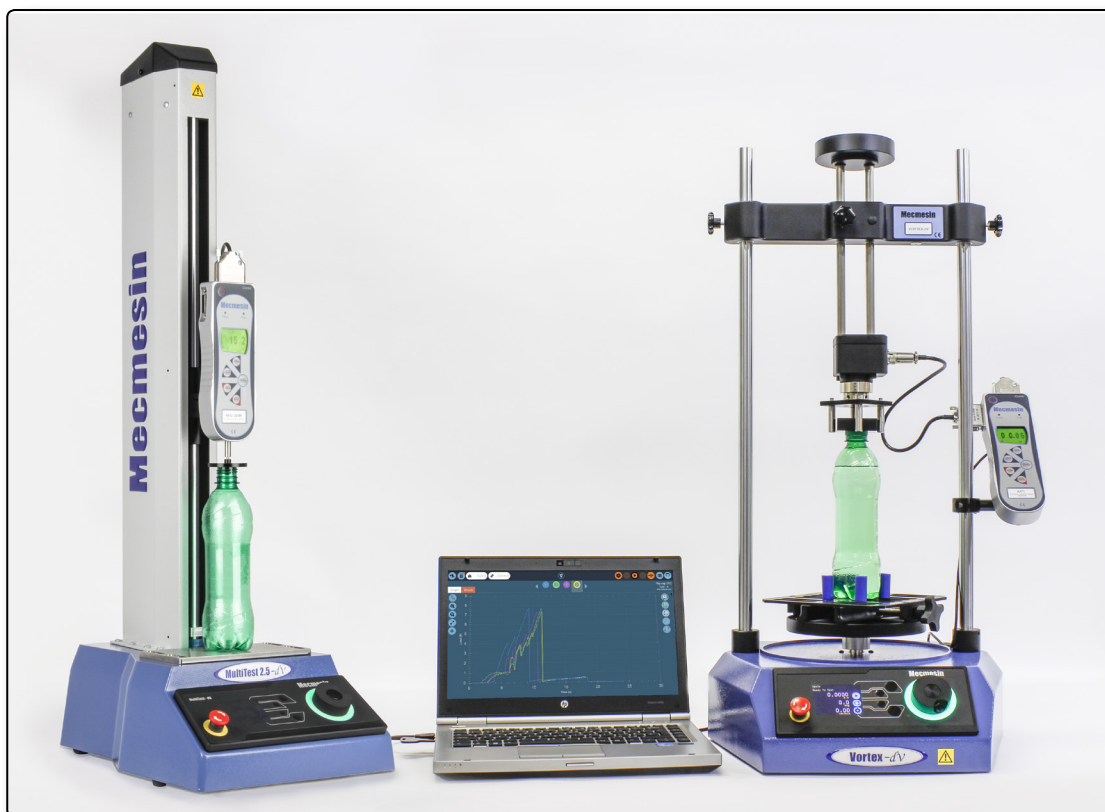
Sample	Area(N.mm)	First Peak(N)	Last Peak(N)
#1	1678.26	38.60	37.55
#2	1566.60	36.10	35.25
#3	1413.70	32.70	31.60
#4	1647.78	38.30	37.35
#5	1612.60	37.60	37.10
#6	1501.47	34.95	34.45
#7	1482.30	34.60	34.35
#8	1612.88	36.55	35.85

Software PC requirements	Units of measurement	Data output formats
<ul style="list-style-type: none"> • Windows® 7 and above • 4 Gb RAM • 2 GHz dual-core processor • Full HD 1920 × 1080 display • 2 free USB ports 	Linear speed <i>mm/min, in/min</i> Angular speed <i>rev/min, rev/sec, deg/min, deg/sec</i> Time <i>min, sec</i> Displacement <i>mm, in</i> Angle <i>degrees, revolutions</i> Force <i>N, mN, kgf, gf, lbf, ozf</i> Torque <i>N.m, N.cm, mN.m, kgf.m, kgf.cm, gf.cm, lbf.ft, lbf.in, ozf.in</i>	Export ASCII to <i>.csv, .xlsx</i> Report to <i>.pdf</i> Interfaces with Microsoft Outlook 2010 and above, Excel 2007 and above

Affordable testing with Mecmesin systems

Using VectorPro™ Lite with Mecmesin systems and instruments provides truly affordable solutions to many test requirements. The versatility of the MultiTest-dV range of force testers, and the Vortex-dV torque tester are fully realised when test parameters can be recalled and uploaded, full test data acquired, graphed and stored, and defined calculations consistently applied in real time. Test result reports with full test notes complete the efficiency of combining systems and software.

▶ **With VectorPro Lite ... turn a motorised test stand into a professional system**



For some tests with Mecmesin digital instruments, plotting force or torque against time reveals essential sample characteristics, even though a displacement or angle axis is not possible. By connecting these devices to a PC with VectorPro Lite, you add live graphing and standardised calculations for immediate examination, comparison and analysis, and print or save reports with test annotations.



VectorPro Lite is designed for use with the following:

Instruments		Systems	
Force	Torque	Force	Torque
Advanced Force Gauge (AFG)	Tornado	MultiTest-dV range	Vortex-dV
Basic Force Gauge (BFG)	Orbis		
Advanced Force and Torque Indicator (AFTI)	AFTI		
Compact Force Gauge (CFG+)			

For all interface cables required, see datasheet 431-267.

Mecmesin

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Mecmesin - a world leader in affordable force and torque testing solutions

Since 1977, Mecmesin has assisted thousands of companies achieve enhanced quality control in design and production. The Mecmesin brand represents excellence in accuracy, build, service, and value. In production centres and research labs worldwide, designers, engineers, operators, and quality managers endorse Mecmesin force and torque testing systems for their high performance across countless applications.

www.mecmesin.com



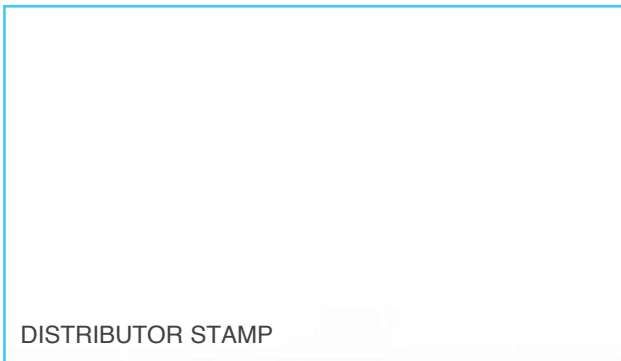
- | | | |
|----------------|-------------|--------------|
| Algeria | India | Poland |
| Argentina | Indonesia | Portugal |
| Australia | Iran | Romania |
| Austria | Ireland | Russia |
| Bangladesh | Israel | Saudi Arabia |
| Belgium | Italy | Serbia |
| Brazil | Japan | Singapore |
| Bulgaria | Korea | Slovakia |
| Cambodia | Kosovo | Slovenia |
| Canada | Kuwait | South Africa |
| Chile | Laos | Spain |
| China | Latvia | Sri Lanka |
| Colombia | Lebanon | Sweden |
| Costa Rica | Lithuania | Switzerland |
| Croatia | Macedonia | Syria |
| Czech Republic | Malaysia | Taiwan |
| Denmark | Mexico | Thailand |
| Ecuador | Morocco | Tunisia |
| Egypt | Myanmar | Turkey |
| Estonia | Netherlands | UAE |
| Finland | New Zealand | UK |
| France | Norway | Uruguay |
| Germany | Paraguay | USA |
| Greece | Peru | Vietnam |
| Hungary | Philippines | |

The Mecmesin global distribution network guarantees your testing solution is rapidly delivered and efficiently serviced, wherever you are.



FS 58553

Mecmesin reserves the right to alter equipment specifications without prior notice. E&OE



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