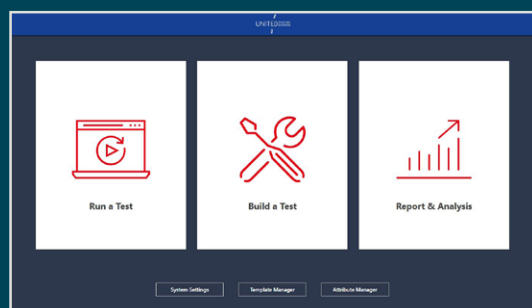


# DragonFly UTS

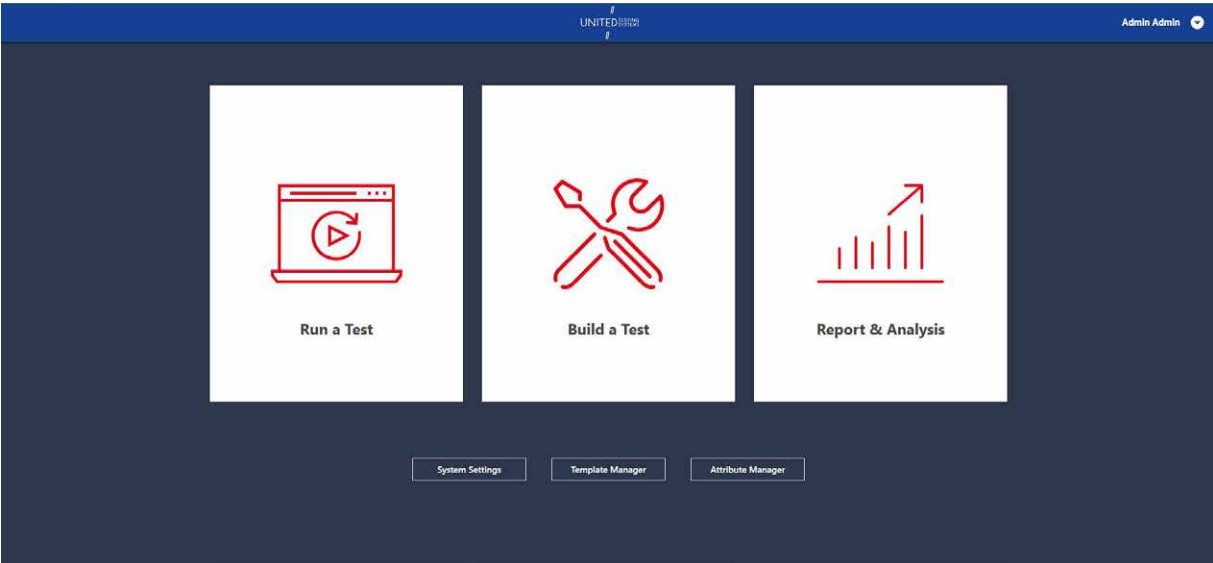
United's Next Generation  
Materials Testing Software  
Platform



# DragonFly UTS

All UTM's by United Testing Systems are operated using our high-performance software and hardware controller package – DragonFly UTS.

DragonFly UTS is our next generation platform designed to provide customers all of the latest features a modern UTM requires in a powerful, but easy-to-use package.



### New User Experience

Using an intuitive workflow-based user interface, DragonFly UTS software is designed to support all types of UTM users from R&D labs to Quality Control personnel in production environments.



### NEW DragonFly UTS Hardware Controller

DragonFly UTS is more than just new software. Along with our innovative software, United has also developed our next generation DragonFly UTS Hardware Controller DAQC<sup>4</sup> to provide the most reliable and highest quality data possible from our UTM's.



### Industry Leading Data Acquisition

With data acquisition rates up to 1,000 Hz available, DragonFly's UTS data collection performance is among the best in the industry and is more than adequate to meet even the most advanced testing demands.



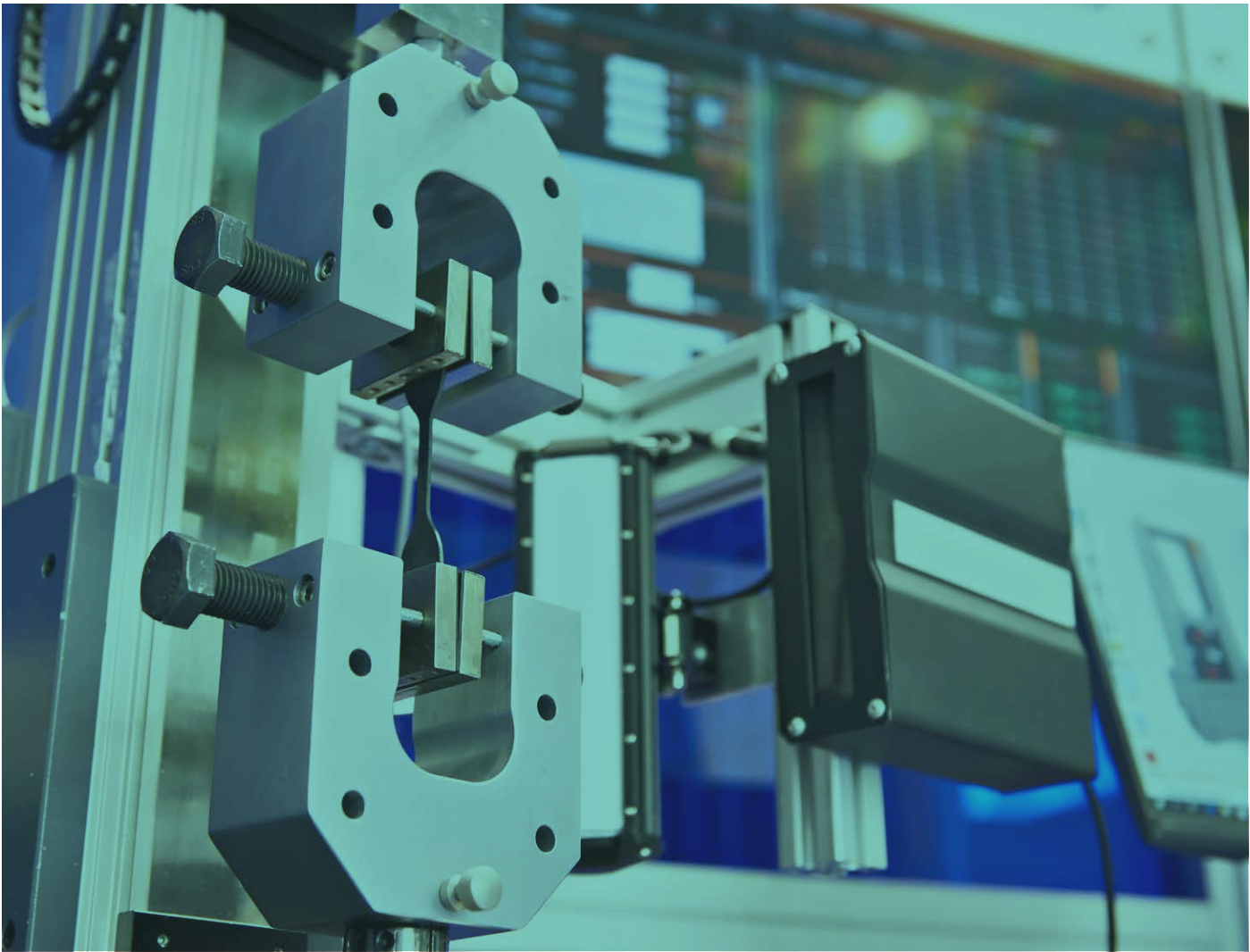
### Data Analysis & Reporting

Post-test data analysis can be performed right inside the software, or data can easily be exported to other applications for further analysis. Creating, producing, and archiving test data and reports is easy and intuitive for operators of any skill level.



### Test Method Library

DragonFly UTS comes with a large library of test methods direct from the factory that meet virtually all ASTM, ISO, BS, EN, GB, DIN, and related international standards to get you up and running quickly. Test methods can easily be imported or exported between systems running DragonFly UTS, making it easy to share the same test methods, machine controls and test data across multiple platforms.



Main Test Screen Overview



- 1. Specimen Table:** Loading samples into the Specimen Table is simple and allows for quick and easy management of operator workflow.
- 2. Tab Views:** Easily switch between different views to access key software functionality – Graph View, Raw Data Table, Test Timeline View, Results Table View and the Analysis Window.
- 3. Intuitive Controls:** Start, Stop, Pause, or Skip a test segment with the click of a button using intuitive and easy to understand controls.
- 4. Large Display Meters:** Large display meters for easy viewing of real-time data collection from key data channels.
- 5. Smart Graph:** Change X/Y Axis with a click of a button, utilize the Smart Pointer quickly view graph data, Zoom In/Out on graph data.



Designed For Many Years of Use

DragonFly UTS is designed to protect the value of your investment. Forward thinking controller design makes the DragonFly UTS Hardware Controller DAQC<sup>4</sup> future proof against electronics obsolescence issues that plague so many UTM systems with older embedded controller technologies.

The DAQC<sup>4</sup> can be configured to accommodate up to 14 additional external channels via plug-and-play expansion modules, which can be added as needed to support your future testing needs. Invest in what you need for your lab now, and rest easy – DragonFly UTS is designed to ensure that your UTM is able to meet your testing needs for many years to come.

DragonFly UTS Hardware Controller DAQC<sup>4</sup>

DragonFly UTS Hardware Controller Specifications	
Item	Base DAQC <sup>4</sup> , Expansion DAQC <sup>4</sup> , Advanced DAQC <sup>4</sup>
Features	
Interface	Ethernet
Servo Controls	Position / Force / Strain
Encoder	Quadrature Feedback
Data Acquisition	Full 24 Bit ADC Force / Strain (ADC = Analog to Digital)
ADC's	Base unit comes with 2 ADCs in addition to Time and Position, expandable up to 14 ADC's
I/O	2 Digital Outputs
Data Sampling Rate (Hz)	1, 10, 50, 100, 500, 1000



DAQC<sup>4</sup> Controller Options

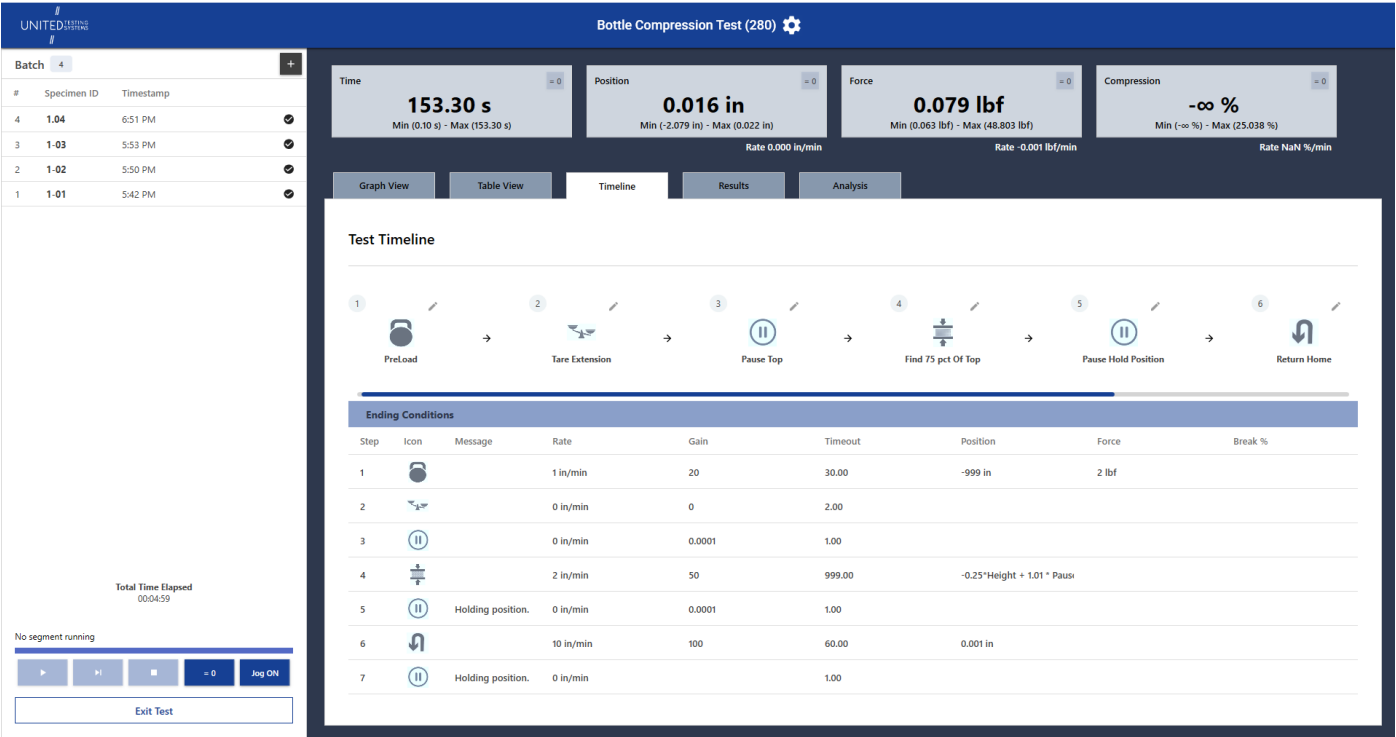
<b>Base DAQC<sup>4</sup> Unit:</b>	Provides machine control, time and position channels in addition to 2 analog channels (load cell & extensometer).
<b>Expansion DAQC<sup>4</sup> Unit:</b>	Provides up to 6 additional ADCs (analog to digital channels) when paired with the Base Unit.
<b>Advanced DAQC<sup>4</sup> Unit:</b>	Provides machine control, time and position in addition to 14 ADCs.

Every UTM includes the Base Unit



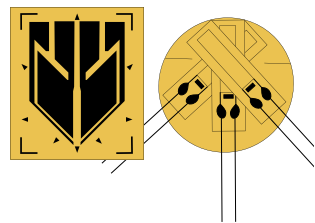
# Software Features

## Test Method Builder



Building a test method is easily accomplished in DragonFly UTS using the intuitive Test Method Builder. From adding simple commands such as running to a **Preload**, or **Running to Break**, to more advanced commands such as adding **Pop-Up Operator Prompts**, DragonFly's UTS intuitive Test Method Builder makes creating, understanding, and editing test sequences a straightforward process.

- Utilize United's large library of pre-configured test methods based upon common ASTM, ISO, and similar standards
- Import/Export and share templates amongst other DragonFly UTS users
- Easily modify existing templates to suit your needs
- Develop your own test procedures from scratch.



### Multi-channel strain measurement applications

Customers from cutting-edge industries looking to perform strain measurement testing will find that DragonFly UTS offers a versatile platform to meet your needs.

The basic DCH hardware controller includes two A/D channels, but additional A/D channels can easily be added to any DragonFly UTS system.

Using our **Expansion DAQC<sup>4</sup> Unit** up to 6 A/D channels can be added and with our **Advanced DAQC<sup>4</sup> Unit** up to 14 A/D channels can be added.

Raw test data is easy to export for use in other applications, or analysis can be performed right inside the software.

# Support & services

We believe that supplying you with high quality testing instruments is only part of our job. Being fast, efficient, and truly reliable is critical when it comes to servicing the technology that keeps your business running.

Wherever you are in the world, our experts are on hand to support your needs. From installation, through to calibration, repair, and preventative maintenance, we've got you covered. That's because at Industrial Physics, we're not just suppliers, we are here for you as trusted partners.

Whatever your requirement may be, if you're looking for the highest quality of test and inspection solutions to ensure the quality of your products, the team at Industrial Physics are here to support you.



# Get in touch

Find out more about how we can support your unique needs and get in touch today.

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