UTS NEUTRON

Dynamic Materials Testing & Analysis Software

More powerful than ever

IPC global® | CONTROLS GROUP

New UTS Neutron dynamic materials testing and analysis software builds on 30 years' experience as leading manufacturer and trusted partner of advanced dynamic testing systems for asphalts and other pavement materials.

We've listened to feedback about your needs and wishes and have developed the most advanced testing software that provides the ultimate in flexible yet easy materials testing software for all types of users.

A pioneering tradition

UTS Neutron — as easy as you want, as complex as you need

The most advanced materials testing and analysis software
for performance, accuracy and flexibility

ONE SOFTWARE
with customizable interfaces for all testing needs

THREE LICENCE LEVELS
to meet all user types: Standards testing, Test editor & Programmer

CONFIGURABLE ACCESS-RIGHTS
for any user type e.g. QC operator, Laboratory manager, Senior Engineer

User programmable
Total flexibility capable to do anything you'll need*

Wizard
Follow the step-by-step path to quickly and simply make the changes you need

Multiple languages
Custom language configurator tool

Worry free seamless migration
Compatible with IMACS and IMACS2 Users can import existing UTS data to generate new reports

Advanced reporting
Robust reporting and easy custom test creation

* Depending on licence level

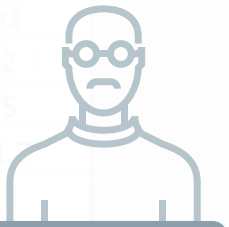
UTS Neutron key features

Total versatility

No two customers are the same, and nor are their testing requirements.

QUALITY MANAGER

As a quality manager, you may want to quickly set-up tests and configure them so that technicians only have access to change parameters that are essential to run a test e.g. dimensions, batch identifiers, etc.



SCIENTIST/ENGINEER

If you are a research scientist or a pavement engineer, you may wish to reconfigure a standard test or create something unique for your research program.

Easy-to-follow wizard

To make life even easier, UTS Neutron Wizard **only** requires you to follow the step-by-step path to accomplish your test editor goal. **What could be simpler?**

Seamless migration

Existing customers with IMACS and UTS software can relax knowing that their systems are safe. Designed to provide continuity for existing IMACS users and IMACS2 users alike, UTS Neutron ensures total forwards and backwards compatibility allowing both UTS and UTS Neutron to be used with both controllers.

Connect UTS Neutron to your existing IMACS systems and start testing. Now, your lab can benefit from the latest features, versatility and flexibility without the need of costly equipment upgrades.

Multiple and custom languages

UTS Neutron is set-up in multiple languages (including custom language configuration, configurable test pages and robust reporting).

Flexible user-configurable report generation

Using the powerful and easy-to-use tools available in UTS Neutron Report Generator, you will have total flexibility to create all the reports you need to confidently and professionally present your test results.

This could be a QC batch testing report trimmed to include only the essential product, batch and operator identifiers; the test settings; and specific test results. Or it could be enhanced with multiple graphs and plots showing the specific test details for research purposes.

Reports and graphs can be produced with any units (SI or US customary) with totally flexibility over what displayed on X and dual-Y axes. Personalize your reports by creating custom headers and footers including imported logos.

Increased flexibility and control
Three platform (licence) levels

Listening to customer feedback has resulted in a software that delivers increased flexibility, versatility and the right level of functionality for ALL user levels.

ESSENTIAL Easy Testing to EN/ASTM/AASHTO

Three configurable user-type access rights

- QC operator
- Laboratory manager
- Researcher or Chief engineer

PERFORMANCE Includes Graphical Test Editor

Three configurable user-type access rights

- QC operator
- Laboratory manager
- Researcher or Chief engineer

DEVELOPER Advanced Test Creator

Three configurable user-type access rights

- QC operator
- Laboratory manager
- Researcher or Chief engineer

Ever wanted to tweak and change an existing test? **Now you can do so effortlessly.**

UTS NEUTRON ESSENTIAL – Easy Testing to EN/ASTM/AASHTO

- ✓ Familiar layout UTS based but enhanced and more intuitive.
- ✓ Library of pre-programmed test modules complying with the main international Standards e.g. EN/ASTM/AASHTO.
- ✓ Basic suite included with all IMACS2-based IPC Global dynamic testing machines.
- ✓ Simple interface for routine QC users who want to run a test with a few mouse clicks.
- ✓ Multiple-languages — supplied with English, Chinese, Polish and Spanish languages plus customized language configurator tool.
- ✓ Painless migration from IMACS to IMACS2. Users can import existing UTS data to generate new reports.
- ✓ Robust reporting and easy custom test creation.

UTS NEUTRON PERFORMANCE – Including graphical Test Editor

UTS NEUTRON ESSENTIAL ***plus***

- ✓ Graphic step-by-step test editor.
- ✓ Edit and save user defined test sequences and procedures.
- ✓ Wizard feature — follow the step-by-step path to accomplish your tests edit goals. What could be simpler?
- ✓ Comprehensive graphic programming functions with in-built easy to use drag & drop icons.
- ✓ Possibility to edit & save user-defined test sequences and procedures.
- ✓ Robust reporting and easy custom test creation.

UTS NEUTRON DEVELOPER – Advanced test creator (for programmers only)

The power for advanced users looking for a totally open system with the facility to create tests from scratch or open, modify and save new tests from existing templates.

UTS NEUTRON ESSENTIAL AND PERFORMANCE ***plus***

- ✓ Gives you total flexibility to create and customize tests (including inputs, outputs, calculations, graphs, layout).
- ✓ Allows open advanced programming with *Python Scripts*.
- ✓ Perfectly suited to expert users with programming skills.

Increased flexibility and control

Totally configurable user-level access-rights

Choose exactly the level of access you want for each of your users, or select one of the three pre-set user types below.

Once set-up by the UTS Neutron Administrator; on entering their username and password, each user will have access only to make the changes they need to do their work.

QC OPERATOR ACCESS

Basic access allowing you to:

- Change and enter settings necessary to perform a test i.e. specimen dimensions, identifiers and date.
- Run a test with a few mouse clicks thanks to simple interface — this speeds up testing, avoids errors and reduces training.

LABORATORY MANAGER ACCESS

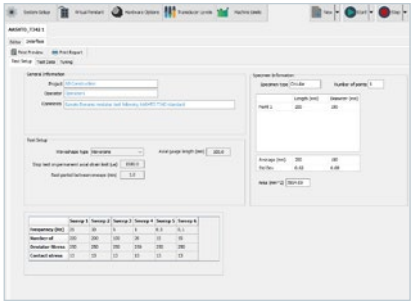
Intermediate access allowing you to:

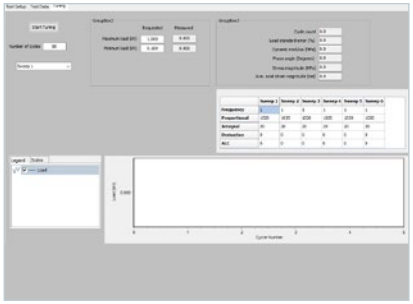
- Perform any tasks accessible at QC Operator level
- Select tests from an extensive pre-set library
- Modify test parameters for an existing test e.g. test frequency, rest period, tuning and create custom reports.

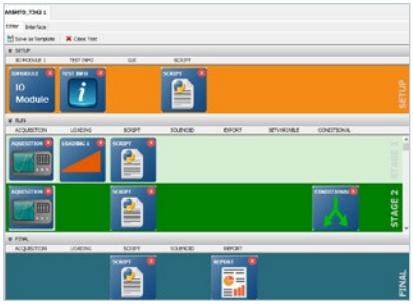
RESEARCHER OR CHIEF ENGINEER ACCESS

Unlimited access allowing you to:

- Perform any tasks accessible at Laboratory Manager level
- Access and change any settings
- Modify existing tests
- Create new tests



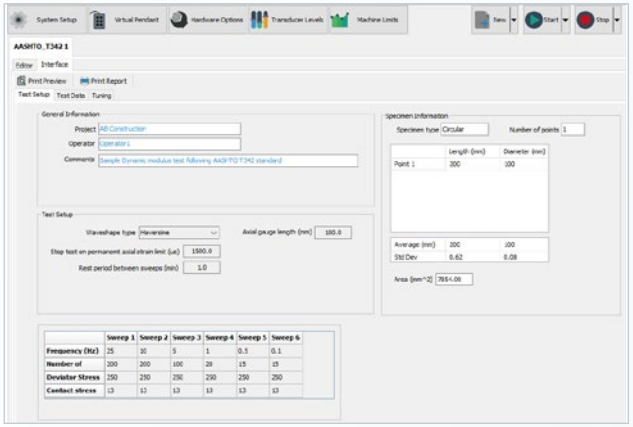




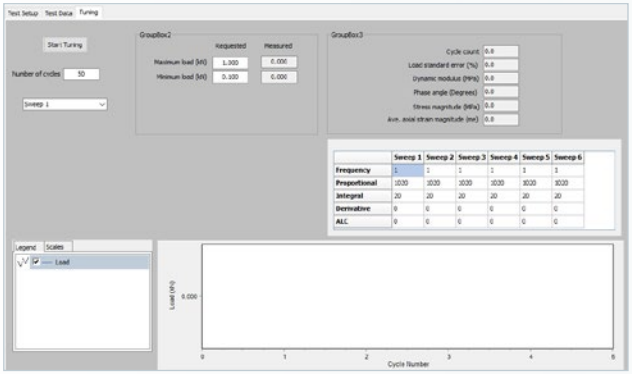
IPC
UTM-25
Universal Testing Machine
IMACS2
IMACS2

Flexible user access and licence levels

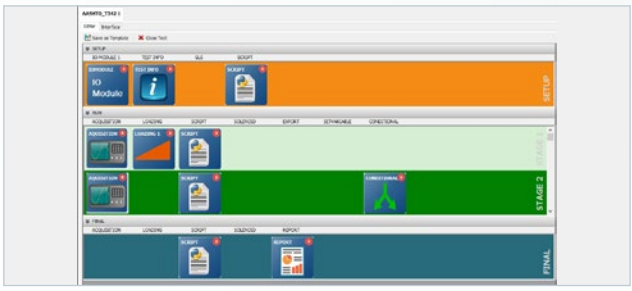
USER-LEVEL ACCESS-RIGHTS



QC OPERATORS may only need to enter specimen details.

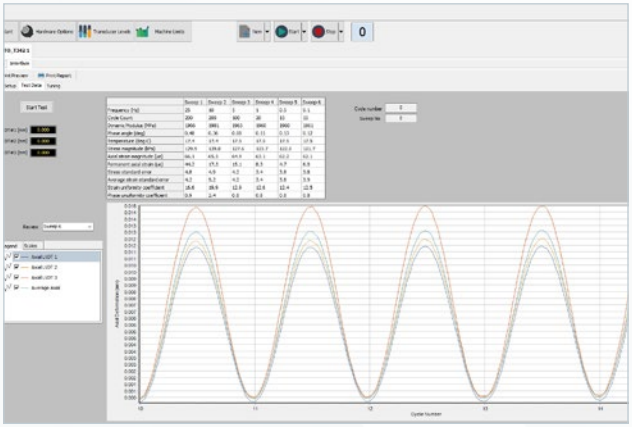


LABORATORY MANAGER may need to change test parameters or tune system

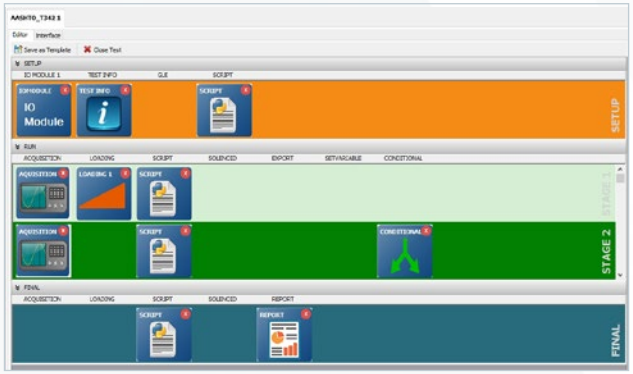


RESEARCHER may want to modify a test.

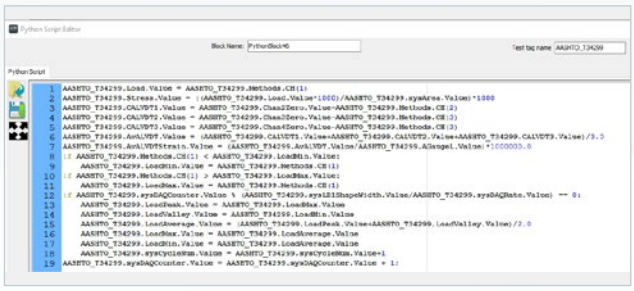
LICENCE LEVELS



ESSENTIAL for running tests to international standards from our extensive library with the facility to make changes to setting.



PERFORMANCE for those wanting to make changes to existing tests using graphical block programming.



DEVELOPER for the most advanced users who want totally flexibility to program any test from scratch.

UTS Neutron specifications

	IPC Global	IPC Global UTS NEUTRON		
		ESSENTIAL	PERFORMANCE	DEVELOPER
Unique suite including all tests	✗	✓	✓	✓
Multi-language	✗	✓	✓	✓
Pre-programmed test modules to main EN/ASTM/AASHTO and international standards	✓	✓	✓	✓
Possibility to edit test parameters (force, frequency)	✓	✓	✓	✓
Custom report generator	✓	✓	✓	✓
Graphic programming functions with in-built easy to use icon Drag-and-Drop programming	✗	✗	✓	✓
Possibility to edit & save new tests	✗	✗	✓	✓
Advanced programming functions based on Python	✗	✗	✗	✓
Possibility to modify inputs, outputs, formula & layout	✗	✗	✗	✓

IPC Global Customer Care

At IPC Global we are proud of our products.

We are dedicated to supplying high quality, accurate, affordable, easy-to-use systems for Advanced Testing of asphalt, binders and other pavement materials.

As a valued customer of IPC Global you will receive continuous, expert support and advice for your instrument. Furthermore, we offer full installation and training in the correct operation of your IPC Global equipment.

For support from our expert Customer Care Team, contact your local IPC Global | CONTROLS Group office / distributor or email **ipcglobalsupport@controls-group.com.**

Visit our website for more information **www.controls-group.com/ipcglobal.**

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