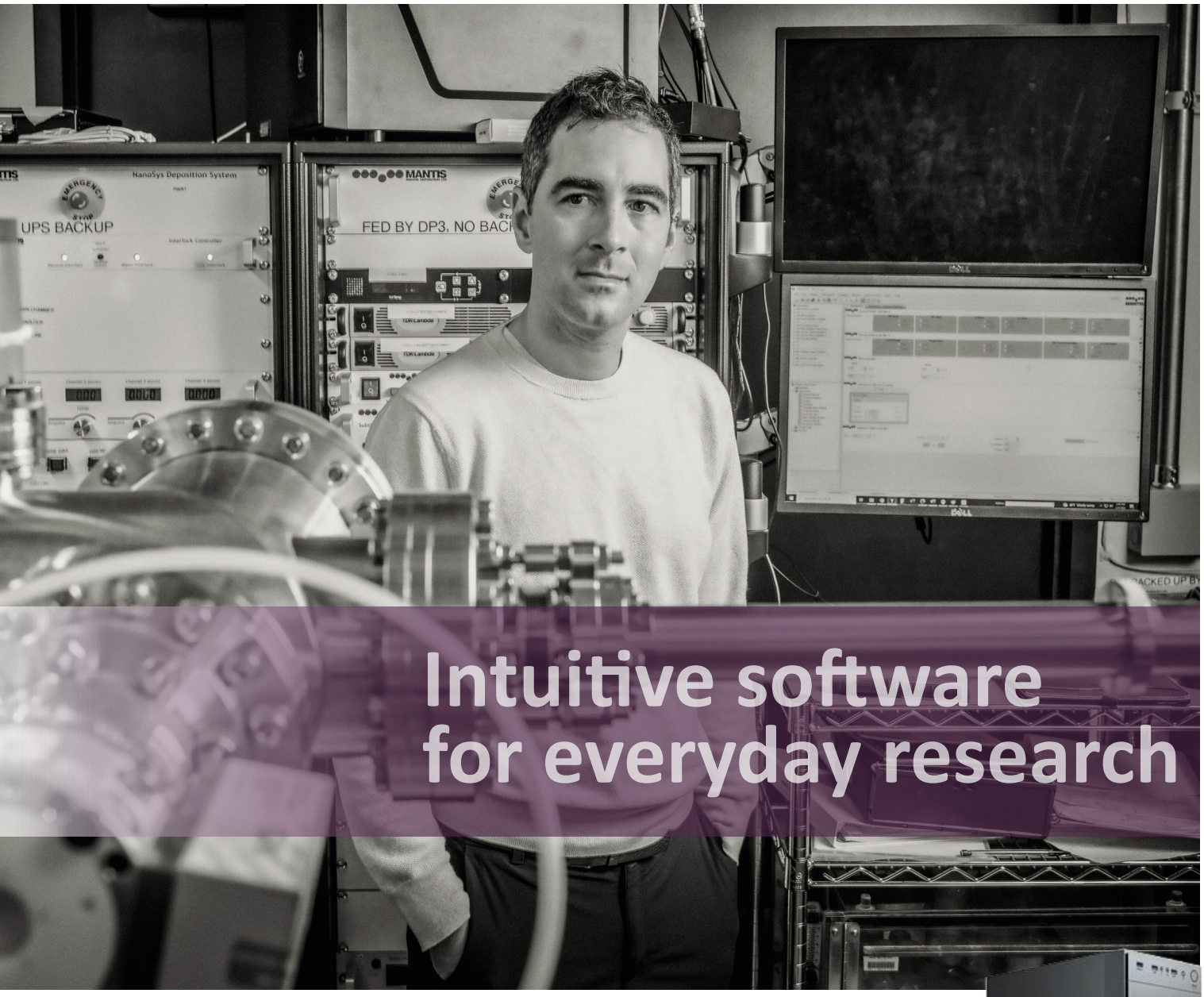
Dylan James Scientific

Ti-10 Control Software Package



Intuitive software for everyday research

The UPDATE to your MANTIS TITANIUM software, your system needs

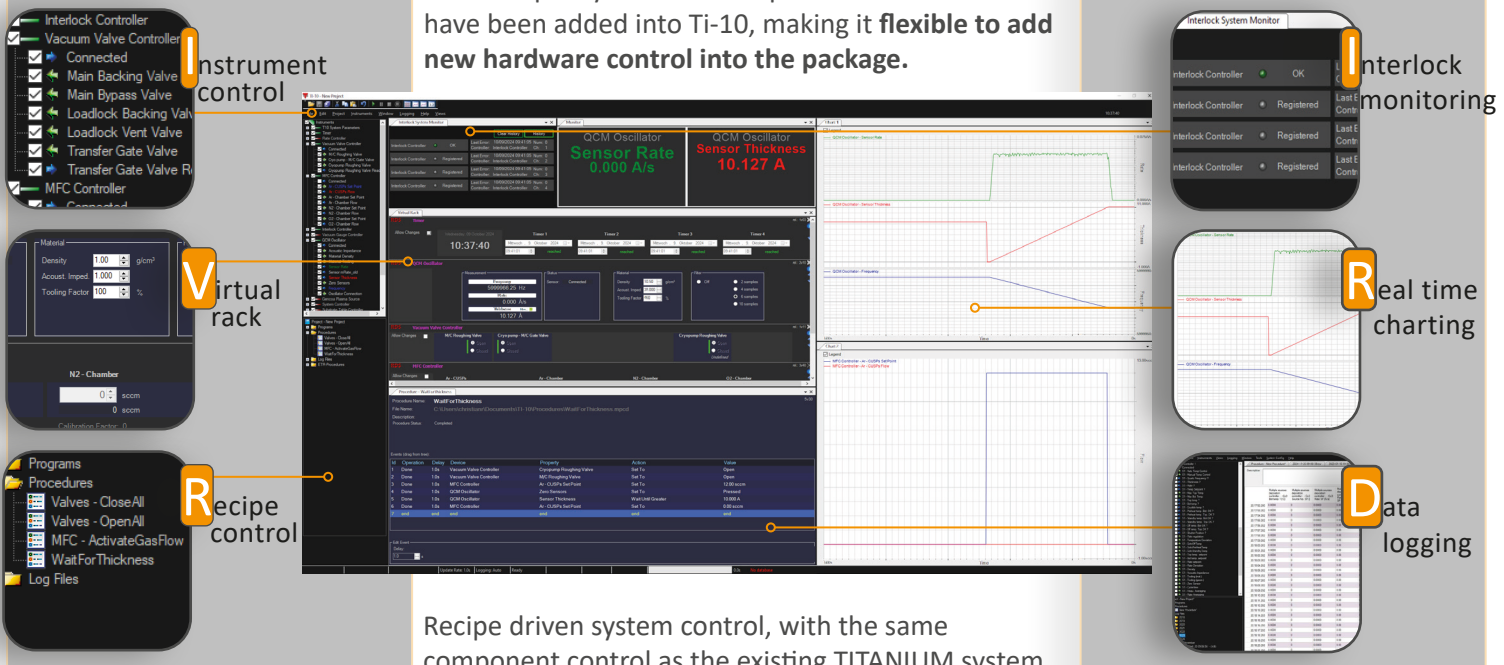
Ti-10 Characteristics

Whilst your vacuum system continues to operate at its best, it is likely that the MANTIS Deposition computer based control system is starting to struggle. The PC based software operating many MANTIS systems from the 2010s is now past its 8-10 year operating life span and the risk of malfunction due to PC failure increases. Coupled with connectivity to servers, and the lack of support for Windows™ 10 operating system after October 2025, now is the time to consider the health of your controller. **The TI-10 operating system has been developed to work directly with your existing hardware** and utilises your current TITANIUM control system CONFIG file to set up its functionality. We provide a PC with the new software and clear instructions on how to integrate it with your current electronics.

Ti-10 Software

Similar look and feel to your existing software, to aid the transition to the new package it still includes the features you are used to.

Over the past years new component modules have been added into Ti-10, making it **flexible to add new hardware control into the package.**



Recipe driven system control, with the same component control as the existing TITANIUM system.

Depending on existing system capabilities operations include:

- **Control** of throttle valves, shutters, MFCs, linear transfers, sample stage, power supplies, pumps, pressure readout.
- **Automatic pump down**.
- **Real time charting**.
- **Parameter logging**.
- **Ability to upgrade** to new source control.

Ti-10 control software package includes:

Matching of CONFIG file with modern Ti-10 configuration.

Full installation & testing of software.

Ti-10 compatible tower PC with Windows™ operating system. Configured to operate with your existing hardware.

Option:
New hardware configuration.

Note: PC may not be exactly as sample shown.

'We bought a **PC with Ti-10 control software** loaded with drivers appropriate for our existing equipment. The purchase is **essential for our work, without reliable control & monitoring software we cannot make reliable progress in thin film deposition.** Our projects run over many years, including multiple hand-offs between lead researchers. **The Ti-10 software ensures continuity**.'

'Rafael Jaramillo, MiT'

Don't loose control of your MANTIS vacuum system, due to a PC failure, consider an update, a critical budgetary decision!

Cover photo 'courtesy of Jared Charney'.

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