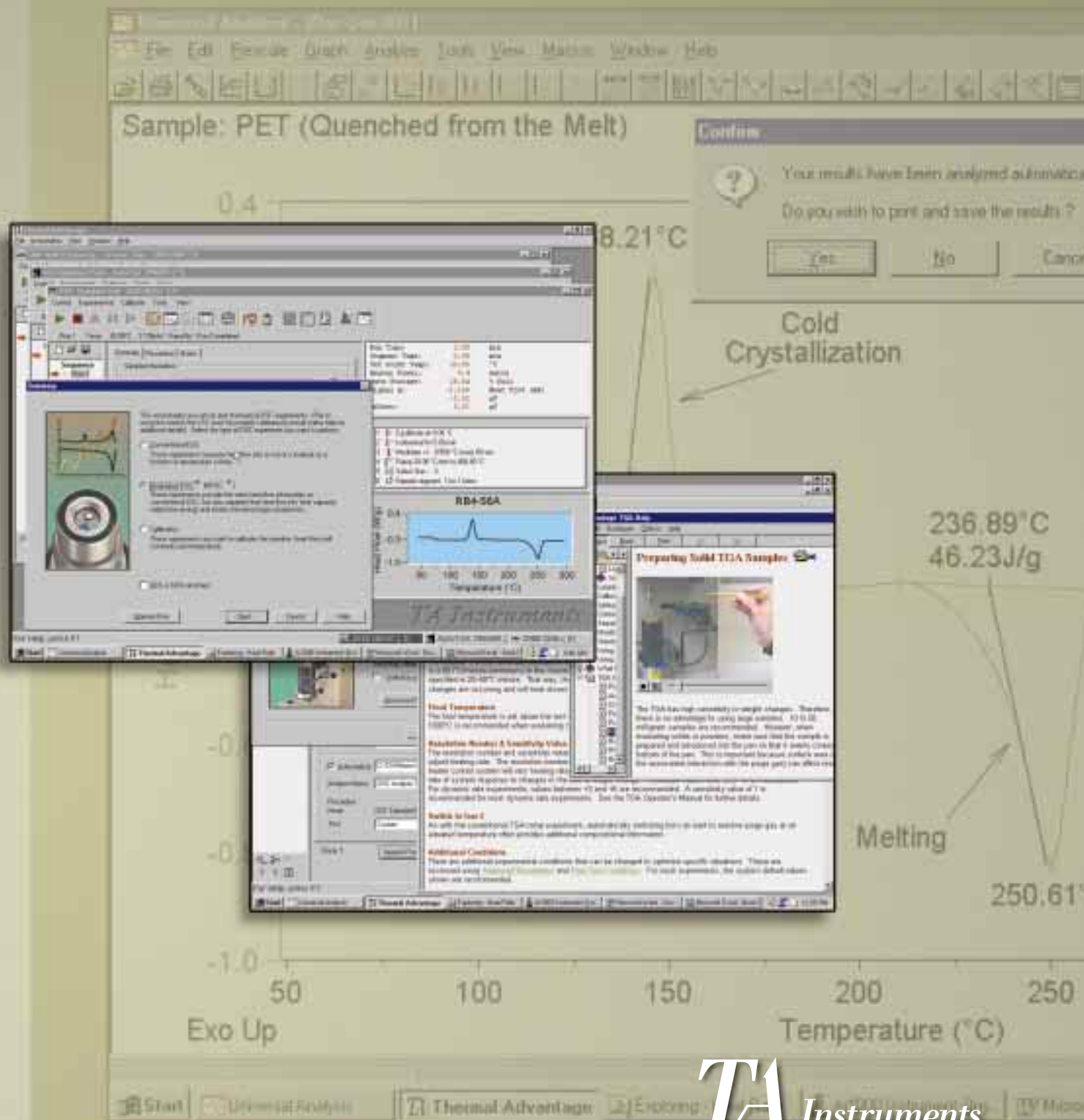


ADVANTAGE

software for Thermal Analysis™

Tomorrow's Solutions for Today's
Material Characterization Problems

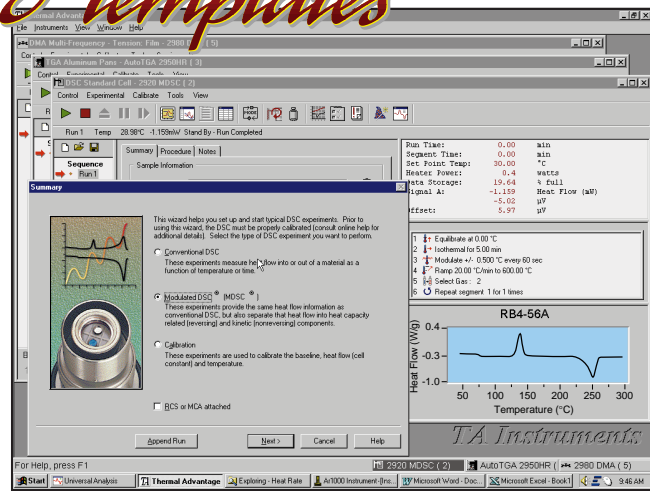


New, Thermal Advantage™ Software . . .

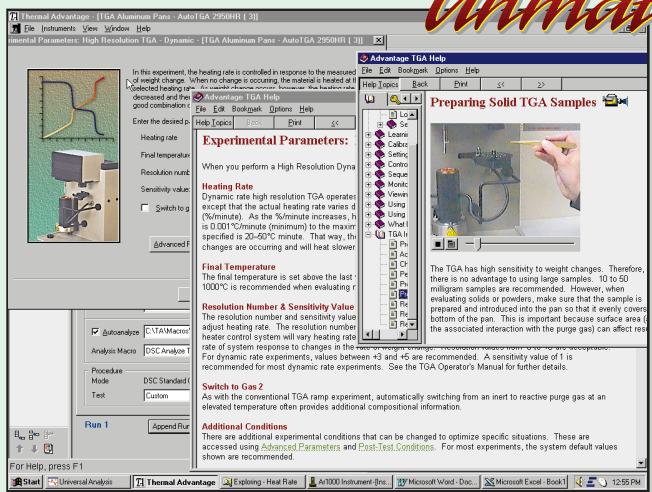
Take advantage of wizards, templates, and autoqueuing to automate all aspects of sample testing from experiment design and sample identification to data analysis and report generation.

Powerful Wizards & Templates

- Wizards facilitate and automate experiment design & sample identification making it easier than ever for new users to become productive quickly
- Standard templates & procedures are provided for most experiments providing increased ease-of-use and maximum productivity
- Easily generated custom templates and procedures make even the most sophisticated tests seem routine
- Intuitive, customizable layout enables each user to configure the system to meet individual needs



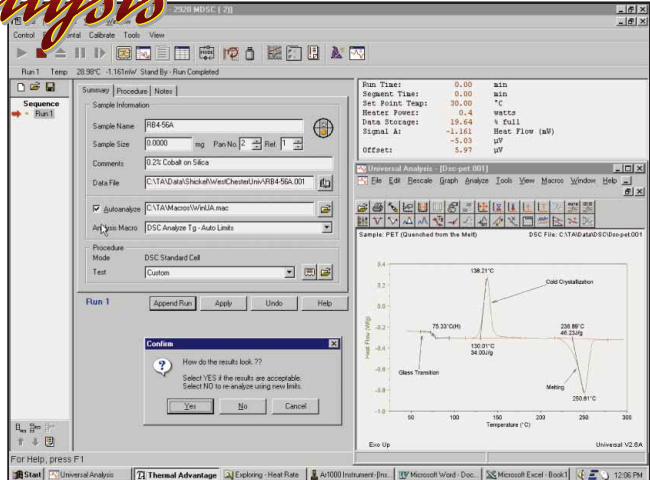
Unmatched Ease-of-Use



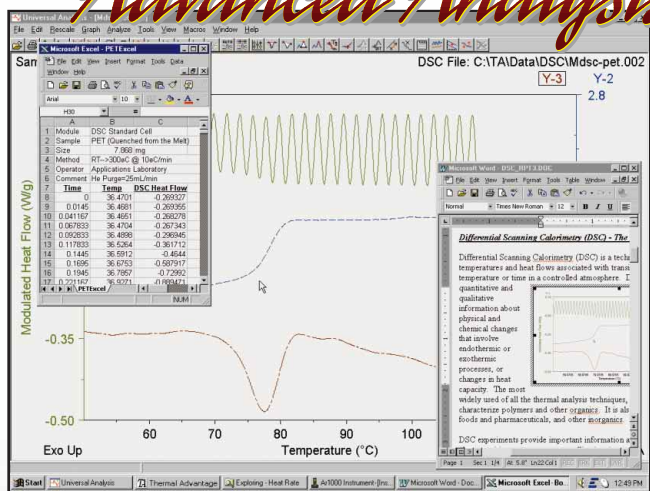
- Extensive on-line and context sensitive help, including video clips providing "hands-on" style instruction for many commonly performed tasks
- Real-Time-Plot enables the user to easily monitor experiment progress in a graphical format, while setting up subsequent experiments, or analyzing previously generated data. Digital display of real time signals is also provided
- Unique "running man" display alerts users to status of each module
- Complete compatibility with data from earlier software versions enables the user to easily access historical data
- Test sequences enable the user to set up multiple experiments for each module, thereby increasing throughput and productivity

Powerful Autoanalysis

- An unlimited number of different autoanalysis macros can be created by simply recording the steps used in a standard analysis, so any analysis sequence can be automated
- Users can add pauses, questions, conditional statements, etc providing increased flexibility and utility
- Link multiple macros together to facilitate automation of routine tasks, and simplify complex analyses
- Autoqueuing enables the user to set up multiple experiments for each module (with/without autosampler), and to specify an autoanalysis routine (each run can be analyzed differently) to be executed automatically at the end of the test, using the optional autoanalysis software



Advanced Analysis Capabilities



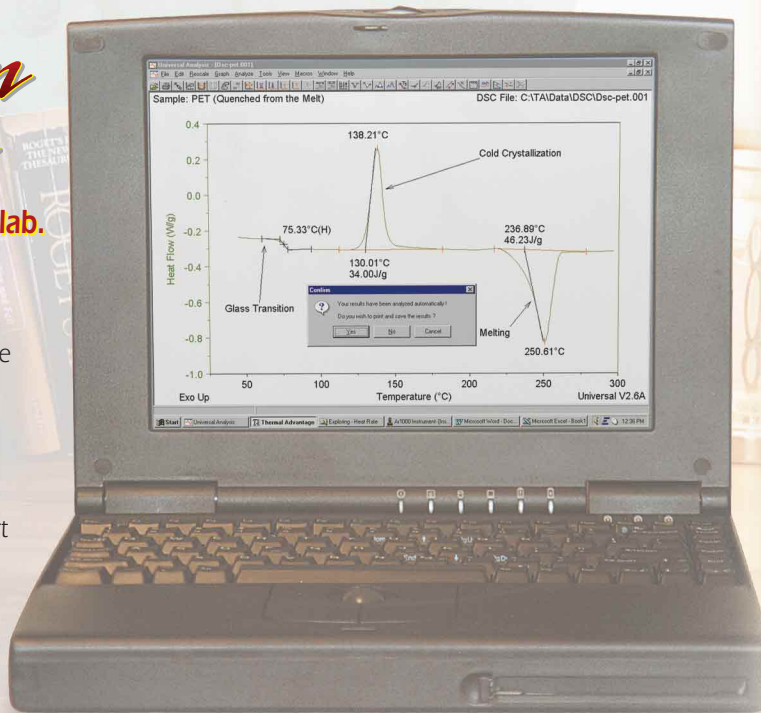
- Save analysis/session for increased productivity
- Customizable toolbar & settings can be saved to match individual (multiple) user preferences
- Specialty software is available for Purity, Heat Capacity, DSC kinetic analysis (Borchardt & Daniels, Thermal Stability, and Isothermal), DMA TTS, and TGA decomposition kinetics.

Maximum Flexibility

Don't be a prisoner of your lab.
Analyze data at your office, home or any remote location.

- Analysis program can be loaded on remote computers so multiple users can access and analyze data from across the lab, or around the world.
- "Cut-and-paste" thermal plots into other programs (i.e. word processors) for convenient report generation or export data in a variety of formats.
- Compliance with Good Laboratory Practice (GLP) is facilitated as a detailed record of actual experimental conditions (including calibration and instrument parameters and method log) is saved with each data file
- Use of Microsoft Windows NT operating system insures easy network interface

- Powerful Universal Analysis provides complete analysis capabilities for all thermal techniques including Micro-Thermal Analysis (μ TA™)
- Automatic selection of limits for peak integration, weight loss, glass transitions, etc.
- Open multiple files, from any technique, for analysis (see back cover of this brochure for a complete listing) and/or curve overlay
- Thermal Advantage is compatible with TA Instruments complete line of thermal analysis modules
- Run, collect, and monitor real-time data from up to 8 thermal analysis modules simultaneously and analyze data from current or previous tests while experiments are underway for increased productivity.



- Available 3rd party software enables the system to be monitored and even controlled from remote locations
- Simultaneous operation with Rheology Advantage™ software used with TA Instruments rheometers

Tomorrow's Solutions for Today's Material Characterization Problems

Thermal Advantage is a new generation of software designed to make it easier than ever for you to put the world's most popular thermal analysis instruments to work in your lab.

Advantage software provides unmatched capabilities and ease-of-use. Together with TA Instruments broad line of high performance modules, including unique capabilities for Modulated DSC®, Hi-Res TGA™, Modulated TGA™, and Micro-Thermal Analysis; Advantage software provides the most versatile, easy-to-use thermal analysis system available.

The Microsoft Windows NT operating system, state-of-the-art hardware and software featuring truly innovative techniques, with the service/support that only TA Instruments can provide, are all combined to form a system that really does meet and exceed the challenges of today's modern laboratory.

TA Instruments

Data Analysis Capabilities

Standard analysis capabilities include:

- glass transitions
- crystallization time and temp.
- heats of fusion and reaction
- oxidative stability
- weight loss at temperature
- temperatures of transitions
- weight % at temperature
- moisture-free/ash-free calculations
- residue analysis
- partial areas
- running integral plots
- x and y linear transformations
- generic equation calculations
- file subtraction and addition
- slope
- and many more
- melting points
- percent crystallinity
- rate of cure
- boiling points
- step transitions
- degree of cure
- data point value
- peak integration
- onset temperatures
- CTE
- curve overlay
- curve rotation
- saved analysis
- saved session

TA Instruments Commitment

Thermal Advantage software is designed and engineered to assure easy, reliable trouble-free operation. It is supported by a full range of services including onsite training, a telephone Hotline for customer consultation, and an Internet website. All of these items reflect TA Instruments commitment to providing thermal analysis & rheology products and related services that deliver maximum value for your investment.

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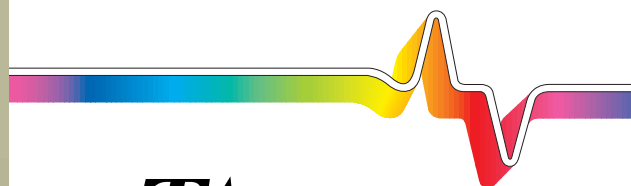
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