

SERIES 4000 PARAGON™ SOFTWARE PLATFORM

Technical Informer

Features and Benefits

- **Powerful software with the latest C# (C-Sharp) software technology**
- **Less training for operators as Paragon™ software uses the same Windows™ concept, terminology and categories as the current 4000 software**
- **Fast and reliable MS-SQL database stored on the local system or on a network**
- **Selectable operating languages**
- **Reports can be saved and printed using customized MS Word templates**
- **Test results can be saved directly to Microsoft™ Excel and Word as well as Adobe™ Acrobat, while graphs can be exported in common formats, such as .jpg, .tif, .png and .bmp**

Nordson DAGE's intelligent bond testing software Paragon™ takes bond testing to the next level. The highly intuitive and configurable interface provides quick and easy access to advanced functionality, such as automatic GR&R calculation, built-in diagnostics, a unique database search engine wizard and superior reporting; increasing efficiency and providing 100% confidence in your bond testing results.

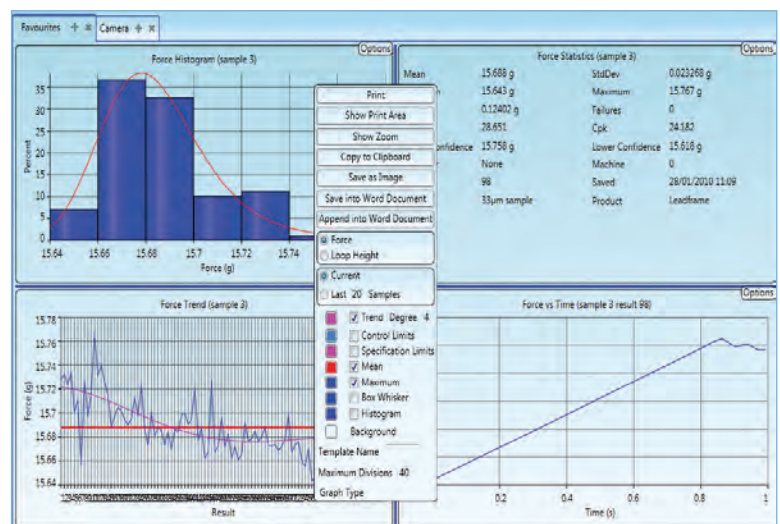
A Paragon software upgrade option is available for current 4000 users, allowing 4000 machines to extend their life and performance as well as providing compatibility to the latest operating system, Windows 7.

Quick and Easy to Use

Paragon's intuitive design ensures test set-up parameters are readily accessible with a new interface design. The three operating windows of Paragon, Testing, Analysis and Machine, provide convenient and simple operation. The powerful search engine presents test data rapidly without the need to search through past test data.

Consistency Guaranteed

Advanced failure mode grading assists with accurate and quick grading. The automatic GR&R calculator ensures accurate calibration criteria, by determining the bondtester's level of repeatability and reproducibility.



Graphing tool

Minimum Specifications

Desktop Computer	
Processor	Intel Core 2 Duo (or similar)
Memory	2 GB Ram
Graphics	Separate graphics card with 128 MB RAM
Hard disk	160 GB SATA2
DVD	Read/Write
Monitor	17inch WS monitor supporting minimum resolution of 1440 x 900

Operating systems supported Windows XP SP3, Windows Vista and Windows 7
PCI slot required

Upgrade Requirements and Process

To be upgraded to the latest Paragon software, the 4000 requires the latest PC12 hardware, which has been installed since mid 2007. If the 4000 hardware is older than this, then an upgrade is possible to the new PC12 hardware.

The process involves installing the new SQL database software. The current 4000 database will then be converted to SQL format. Note that once converted it cannot be reverted back to the old format.

The software upgrade part number is DAGE-4000-PARASW-UP.

Models and Features not supported

The following models and features will not be supported with 4000 Paragon software:

- 4000HS
- 4000W (Nikon wafer handler)
- 4300 (all models)
- 4500
- Camera based image capture
- Borescope based image capture
- Pneumatic slider
- Wafer map
- Nikon wafer handler
- Robot wafer handler
- Chad wafer handler
- Manual wafer handler
- Remote input from BT14, BT24 – CSV, BT2400 – CSV, BT22, BT28

- Inspection screen
- Machine | Shear jig
- Product layer
- DVS 2811
- 4000HBP

To utilise the features which have been excluded, please refer to the 4000*Plus* which can support a range of next generation applications.

Paragon on the 4000*Plus*

Paragon offers complete and full functionality in conjunction with the 4000*Plus* bondtester, allowing the integration of hardware such as image capture, trinocular camera, borescope and multi camera alignment aid system. In addition the 4000*Plus* bondtester provides new test methods including push-pull, fatigue, 3 and 4 point flexural bend testing in accordance with ISO-14125 as well as hot bump pull for pad cratering in accordance with IPC-9708. It is advisable to upgrade to the 4000*Plus* to utilise next generation applications and test methods.

To upgrade your current 4000 software to Paragon™ or to receive further information about the 4000*Plus* bondtester please contact your local office.

For more information,
please contact your
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