
# WITE32™

# Release Notes

**Version 2.62**

**06/14/2001**

**Guzik Technical Enterprises**

# Table of Contents

# CHAPTER 1

# INTRODUCTION

The 2.62 release incorporates the new features and bug fixes introduced after WITE32 2.61 release. (This document uses WITE32 2.61 release notes as a base line for comparison.)

# CHAPTER 2

# NEW FEATURES INTRODUCED IN WITE32

## 2.1 Spinstands

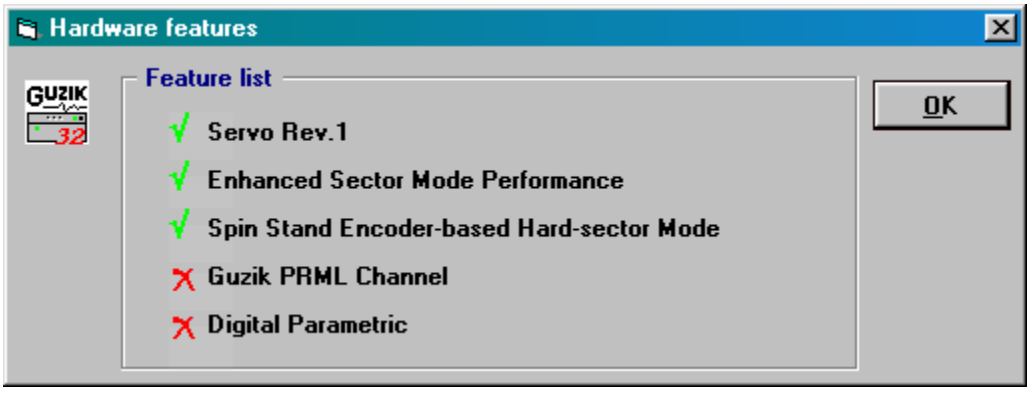
**Guzik S-1701B** micro positioning spinstand is supported. This spinstand has to be connected to RWA2585S 1G PRML. The new features of the S-1701B spinstand are listed bellow:

- Low profile spinstand frame with air shock absorbers, which improve isolation of floor vibration
- Second revision of embedded servo with higher bandwidth (Servo Revision 2)
- Micro-positioning system with position repeatability less than 0.3 µInches.

## 2.2 Servo Revision 1 and Servo Revision 2

The combination of the S-1701B spinstand and RWA2585S 1G PRML supports a new revision of servo – *Servo Revision 2*. You can see what revision of servo your system supports in the *Info* | *Hardware Features* dialogue box. First item of the feature list shows now not only availability of servo, but also a servo system revision (Rev.1 or Rev.2). If servo is not available, this item shows information about the reason. Possible cases are:

- *RWA has no servo support*
- *AB has no servo support*
- *SpinStand has no servo support*
- *RWA - Servo Rev.2, SpinStand - Servo Rev.1*
- *RWA - Servo Rev.1, SpinStand - Servo Rev.2*



## 2.3 Head Amplifiers

1. The following head amplifiers are initially supported in WITE32 ver. 2.62:
   - Cobra2
   - CXA3534
   - GTEMR4UMF120
   - Mercury-Acoustic, Mercury-Icicle
   - VM5840 chip
2. The following head stacks are initially supported in WITE32 ver. 2.62:
   - SR1767 – ROMULUS
   - 81G5014R2 – PUMA2

## 2.4 Miscellaneous

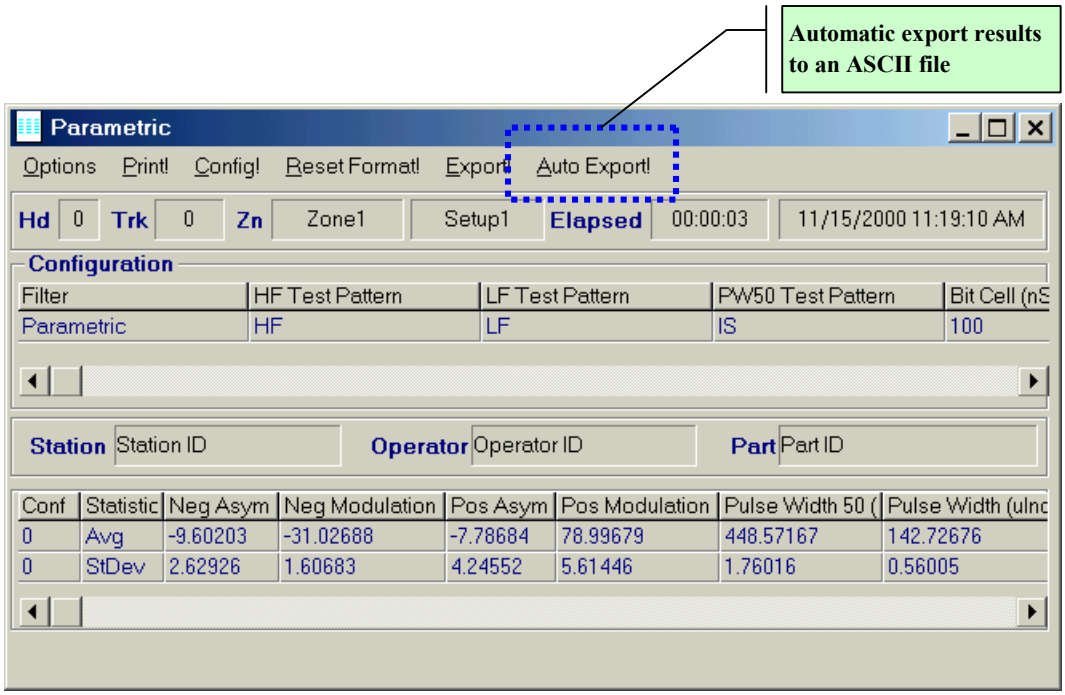
1. A new result “NLTS dB” is added to the Result Processor output for the Alternate Spectral Elimination and NLTS vs Write Current tests.

   "NLTS dB" = -20 log( NLTS_ns / bit_period )

   The existing result “NLTS” is renamed to “NLTS ns”. The Grading *Result Names* are changed accordingly.

   Note: This feature was introduced in 2.61 revision of WITE32.

2. A new menu item *Auto Export!* is added in the result display window. When it is clicked, the results are exported to an ASCII file using the current setting in the *Configure* | *Configure Result Processor* menu.




3. Maximal flux frequency for RWA 1601/1632 is increased from 500Mflux/s to 800 Mflux/s. Flux frequencies up to 800 Mflux/s can be written from the Dashboard, by *Write flux* operation, and set as a parameter in the *Overwrite* and *Popcorn* tests.

# CHAPTER 3

# FIXED BUGS

The following bugs were discovered in WITE32 ver.2.61 or earlier, and fixed in WITE32 ver.2.62. The description below explains the bug behavior as it appeared in WITE32 ver.2.61.

## 3.1 RCE32

The *Window* | *New window* command in the RCE32 test setup opens a copy of the *Sequence editor* window with the "Result explorer" caption. The *New window* command has been removed form the *Window* menu.

## 3.2 Head Amplifiers

Fixed bugs in the head amplifier drivers:

- GTEMR4UM – The *MR-Impedance Test* that is enabled in the configuration of the *Production* test reports wrong results for GTEMR4UM head amplifier.
- SR1766 – Shut down read bias during write is not supported.
- VM5410D3 –The read bias is changed when the head amplifier mode is switched from read to write and vise versa.

Fixed bugs in the head stack drivers:

- 81G5014 – PUMA, Head stack gain setting from the *Control* | *Head Amp…* sets wrong gain values. The "b_d_click Error while setting default value:" error message pops up after pressing the *Default Setup* button on the *Control* | *Head Amp…* menu.
- SR1711 – ELDORADO, MR-Impedance can be measured for head 0 only.
- SR1766 – RIGEL_1, Shut down read bias during write is not supported. Register read-back operation reports wrong values.
- VM5410D3 – NEBULA2, Read bias is changed when the head amplifier mode is switched from read to write and vise versa.

## 3.3 Miscellaneous

1. In the *MR-Transfer curve* test an overflow error occurs if the current track number is larger than 32767.

2. If the *Custom BIAS* field is empty in the *MR-Impedance* test setup form the "Run-time error '13'. Type mismatch " error message pops up.

3. WITE crashes intermittently when the *Control* | *System* form is closed.

4. The "Servo Step Is Not Specified" error message popes up during *Write servo* operation if the *Run Offsets Calibration* option in the *Write Servo* setup is enabled.