

# ANALYZE THIS

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*Congratulations  
 Tom Palangio for  
 your outstanding  
 achievements  
 winning the 2006  
 Ontario Global  
 Trader Award!*

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## UPCOMING EVENTS

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## ACTIVITY IN THE IRON RANGE

The last few months have brought forth a number of projects in the Iron Range. We like to thank the areas mines for allowing WipWare to help them with their various photoanalysis needs. Our Momentum systems have been busy monitoring greenballs and goonies while our Reflex systems have been recording the granulometry and movements of trucks.

Both systems are working efficiently around the clock to provide unsurpassed reliable data to the end users. These systems will help with process control and record blast performances - to increase the productivity of their establishment. WipWare is proud to be a part of these projects.

We are confident that they will bring beneficial information to the mining community and that this valuable information will help make these companies more competitive in the global market.



## SWEBREC DISTRIBUTION -

### THE BREAKTHROUGH IN CORRECTION CALIBRATION

Luleå University of Technology's blasting research centre, Swebrec, tested the breakthrough in correction calibration for rock distribution. This three-parameter fragment size distribution function links rock

fragmentation by blasting and crushing. In addition, the Swebrec© function is ideal for correcting other model's poor predictive capacity regarding fines and the cut-offs at the upper limits. WipWare is

happy to support the Swebrec© distribution correction factors and will be introducing them into our WipFrag software. WipWare users will soon be able to choose to use the existing Ros-Ram correction or the newer Swebrec distribution.

# WipWare Inc.

W W W . W I P W A R E . C O M

## UNIVERSITIES AND WIPFRAG 2.5

### WHAT CAN WIPWARE DO FOR YOUR UNIVERSITY OR RESEARCH GROUP?

Academic versions of WipFrag and WipJoint software have been available for years now. Our academic versions have always had the same great features and benefits of our regular software. WipWare has released WipFrag 2.5 for both academics and professionals. Our newest version includes:

1. English, French and Spanish Interfaces
2. Integrated output: histogram, cumulative curve and sieve results on one easy to read page.
3. Easy to use file output - All data is recorded to a CSV file.
4. Hotkeys for editing: When needed, hotkeys are available to cut the editing time in half.
5. Outputs include particle sphericity and block count.
6. Outputs can be saved as PDF, WMF, EMF, JPG or BMP
7. Firewire/iLink/IEEE1394 compatibility eliminating the need for additional video cards.

Our specially priced academic versions can help you in your studies and research products. We have had the opportunity to help dozens of universities and groups in the past. Please contact us to see if WipWare can help you and other students at your school.

### A WARM WELCOME TO THE FOLLOWING COMPANIES:

Mittal Steel USA - Minorca Mine Inc. - Virginia MN, USA  
Northshore Mining Company - Silver Bay MN, USA  
United Taconite LLC - Forbes MN, USA  
Camborne School of Mines - Cornwall, UK  
CMPDI Engineers and Consultants - Ranchi, India  
Zao Intervzryvprom - Kiev, Ukraine  
Exsa S.A. - Lima, Peru  
Dong-A University - Busan, Korea  
Tecnoil S.A.C. - San Ignacio Monterrico - Surco, Peru  
International Nickel Corp. (INCO) Refinery -  
Coppercliff, ON, Canada  
Raglan Mine - Ungava Peninsula QC, Canada  
Asahi-Kasei Geotechnologies - Tokyo, Japan  
Rockmate Technical Services - Cheshire, UK  
Compañía Minera San Simon - S.A.  
Quebec Cartier Mines - Fermont, QC, Canada



WipFrag Momentum -  
Automated image analysis  
system provides real-time  
particle size distribution on  
conveyors, rollers or chutes.

## WIPWARE HARDWARE AND SOFTWARE.

As technology advances you may find yourself needing upgrades. WipWare has recognized this and can accommodate you with your hardware upgrades.

### NEW SERVER OR WORKSTATION DOESN'T HAVE A PCI SLOT?

WipWare now offers PCIe and PCIx video capture cards.

### PLANNING A NOTEBOOK UPGRADE?

You may need to upgrade your old parallel security key to a USB type. Replacement keys are available and can be cross shipped to minimize downtime with the software.

### NEED NEW SOFTWARE?

Our software versions as of spring 2007 will be WipFrag 2.5 & WipJoint 2.5 for manual analysis and WipFrag4 Reflex & Momentum for our online models. WipFrag 2.5 has multi-language interfaces and new outputs. WipFrag4 supports new graphing and outputs, size tracking and much higher sampling rates than the WipFrag3 predecessor. If you currently are using older versions of the software and wish to upgrade, please contact us for special upgrade pricing.

Windows Vista will be released in the Spring of 2007. Vista will be optimized for .NET programming, and so will WipFrag4. This spring we will release our .NET version of WipFrag4. It will have all of our older features plus our new outputs and graphing.

### WE HAVE SERVICE PLANS!

Multiple levels of Service Plans are now available from WipWare Inc. All new online systems will come with a one year basic service plan. Our advanced service plans are already in place at a number of locations and are allowing the end-users to collect the real-time granulometry data without computer maintenance worries. Software upgrades, minor adjustments and computer maintenance are done remotely. If any hardware problems were to arise, one of our technicians would notify the end-user of the problem so it could be quickly remedied. If you have an older software version, Service Plans are available when upgrading your software.

### QUESTIONS?

If you have any questions about updates, upgrades or service plans please contact technical support at 705-472-2644 or via E-mail and Messenger: [support@wipware.com](mailto:support@wipware.com) You can also reach us if you are using skype - [wipware\\_technical\\_support](https://www.skype.com/partners/wipware)

#### WIPFRAG REFLEX -

Automated image analysis system provides real-time particle size distribution of unconsolidated material on LHD/HD vehicles.



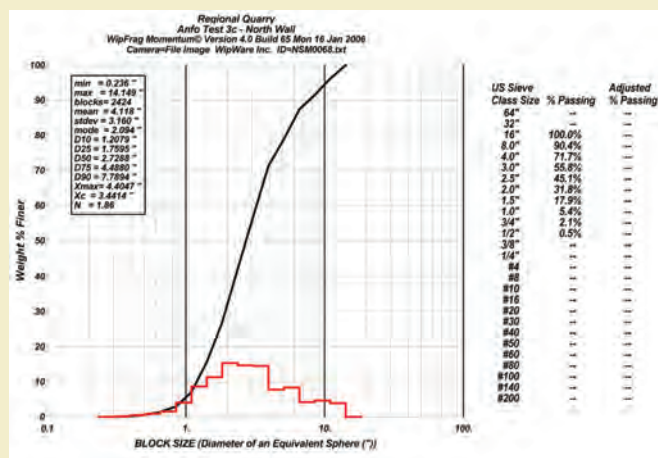
## MAILFRAG - IMAGE ANALYSIS SERVICE

Over the last few months we have been able to assist many companies measure material. They needed a quick unbiased analysis of blasted material for optimization studies, their records and/or their clients. New hole patterns, experimental explosives and detonators, WipWare software was able to measure their changes in fragmentation and record blast performance. These records could then be used to help

monitor and track specific changes in fragmentation. People often need their fragmentation results done quickly and easily in a one time test; they may be students on a budget, or have to perform a study which does not necessarily warrant the purchase of specialized software. Explosives manufacturers, consultants and even granulometry software owners often need an unbiased third party study to be done. It is for these reasons WipWare Inc. provides the Mailfrag

service. The process is quick, easy and affordable. Simply send us images via email or our free ftp service; we analyze them and promptly return the results. Last year, we analyzed thousands of images for

companies, consultants and students – often returning results in 24 hours. If you think your company or organization could benefit from our Fragmentation analysis services, please contact us.



## FEBRUARY 25-28, 2007

SME ANNUAL MEETING & EXHIBIT - ANNUAL WESTERN MINING CONFERENCE  
DENVER, CO USA  
[WWW.SMENET.ORG/MEETINGS/ANNUALMEETING2007/INDEX.CFM](http://WWW.SMENET.ORG/MEETINGS/ANNUALMEETING2007/INDEX.CFM)

## APRIL 29 - MAY 2, 2007

CIM CONFERENCE AND EXHIBITION - MONTREAL, QUEBEC CANADA  
[WWW.CIM.ORG/MONTREAL2007/](http://WWW.CIM.ORG/MONTREAL2007/)

## JANUARY 27 - 30, 2008

ISEE ANNUAL CONFERENCE - NEW ORLEANS, LA USA

*"During the past two years I have used the professional services of WipWare extensively to process and analyze images as part of fragmentation studies offered to my mining and aggregate clients. To facilitate the transfer of images files, I have used their MailFrag system with great success. This service has allowed me to transfer my image files from anywhere in North America. The accessibility to WipWare professional service personnel through this added-value offering has been extremely important in meeting and exceeding my client needs."*

*John M Bolger*  
JMB TRAINING SOLUTIONS  
GUELPH, ONTARIO