ULTRA ENVIRO-SYSTEMS (P) LTD.



Scientific Rock Blasting means breaking rock using controlled explosive energy in meaningful sizes suitable to the deployed plant & machinery.

- * Rock Blasting is a fine blend of Science & Art
- * Blaster Artistic Kit is designed to promote:
 - a) Enviro-friendly Blasting
 - b) Quality & Blast optimization
 - c) Blast Data Management



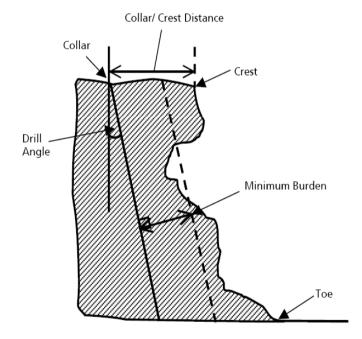


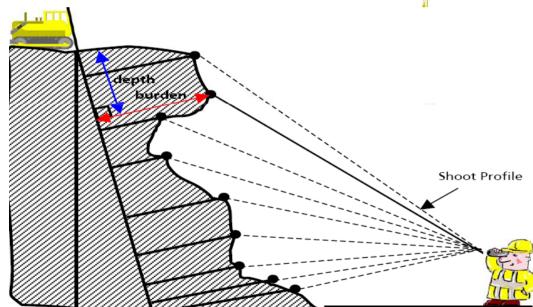


Blast Geometry with MDL UK Burden Finder item 1

- *Finding accurate Bench height
- *Accurate Depth-wise Burden assessment



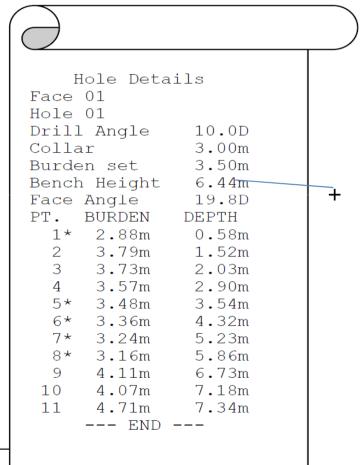






MDL UK Burden Finder

Accurate Depth-wise Burden assessment





+ Add Height of observation



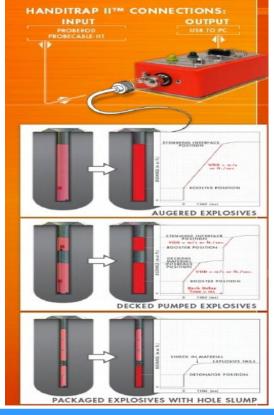
Was it my Explosive? In-hole MREL Canada VOD Recorders item 2 'HandiTrapII' and Real Time Digital Display Recorder 'SpeedTrap' with Memory

* All Types of Bulk, ANFO, Slurry, Cartridge Explosives infield/in-hole VOD (Velocity of detonation) measurements.

* Blasting Accessories Delay scatter /actual timing assessment

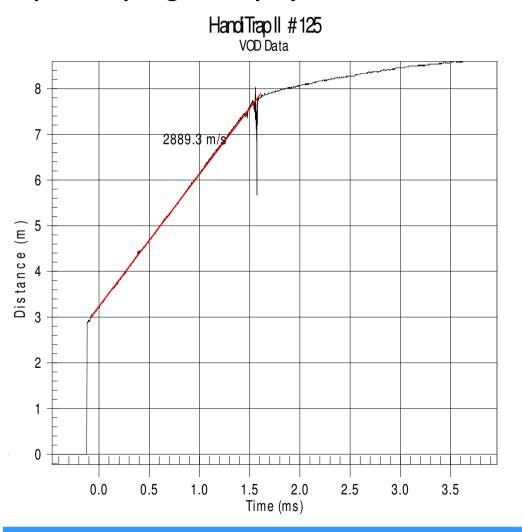


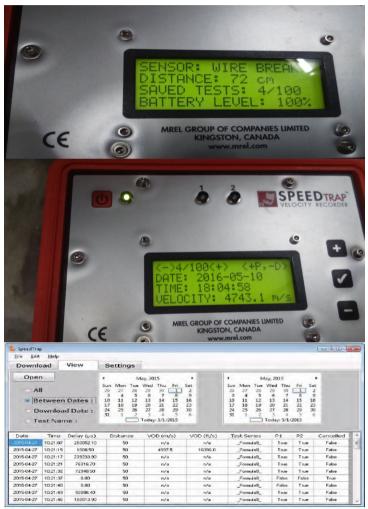






Example of In-hole 'Continuous' VOD measurement using HandiTrapII & SpeedTrap Digital Display Recorder Point to Point VOD



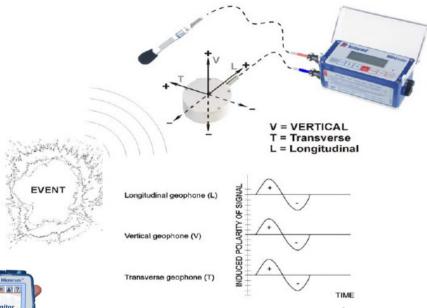




Blast Assessment using Vibration Data Instantel Canada "Minimate & Micromate" item 3

Blast Induced Ground Vibration Monitoring classified into TWO:

- a) Near-field Vibration Monitoring for Blast Design & Quality study
- b) Far-field Vibration Monitoring for Safety & Structural Damage assessment



Micromate 4000 Events memory for 24x7x365 Vibration Monitoring-without interruptions

- •Powerful Battery lithium ion 10-15 days backup
- •GPS Coordinates entry
- •Pen Drive to copy data
- •Light weight 500 gm unit
- •User friendly touch screen for semi-skilled user
- Facility to delete false events
- A full display touch screen keyboard makes entry of data and notes convenient and easy etc



Govt. of India Ministry of Labour & Employment Director General Mines Safety Permissible Vibration Standards

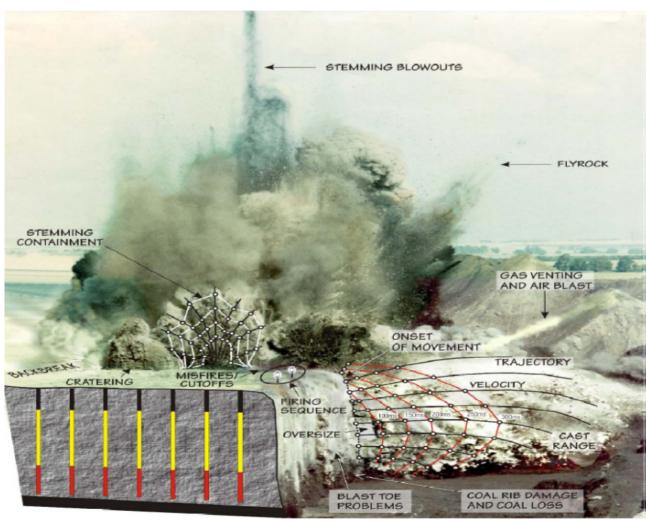
Type of structures	Dominant excitation frequency, Hz		
	<8Hz	8-25Hz	>25Hz
(A) Buildings/structures not belong to the owner readings in mm/s			
1. Domestic	5	10	15
houses/structures			
Kuchcha, bricks &			
Cement			
2. Industrial building	10	20	25
3. Objects of historical			
importance & sensitive	2	5	10
Structures			
(B) Buildings belonging to the owner with limited span of life reading in mm/s			
1. Domestic	10	15	20
houses/structures			
2. Industrial buildings	15	25	50



Seeing is Believing Video Recorder item 4 MREL Canada Blaster's Ranger II High Speed Camera





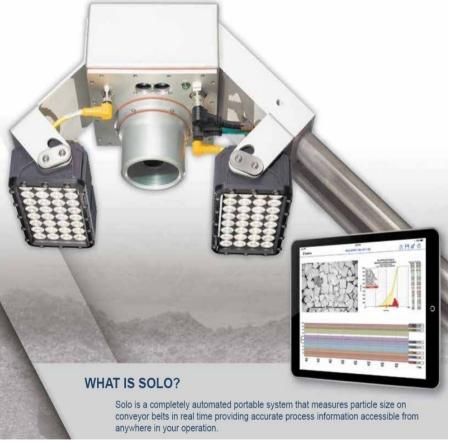




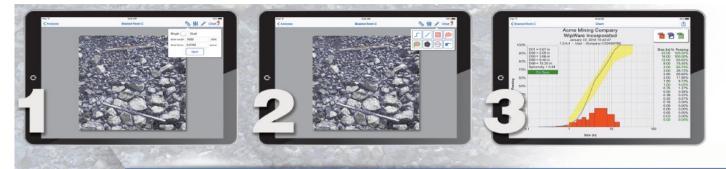
WipFrag Canada.....iOS item 5

Photo analysis based Fragmentation Analysis is ultimate Blast Quality test tool 'Because you can't manage what you can't measure'...









HOW IT WORKS

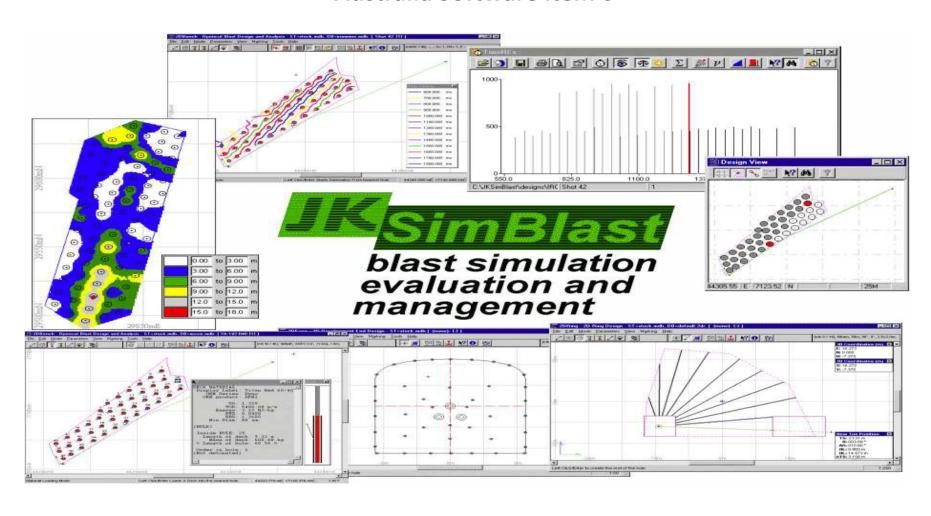
Open an image of the blast pile, analyze the material using industry leading edge-nets and output a distribution curve based on 17 customizable size classes. Includes the unique BlastCast fragmentation prediction module; let WipWare data guide you to better breakage.



Web link; https://www.youtube.com/channel/UC3YZpSmXiE9I9GjDutRXXZQ

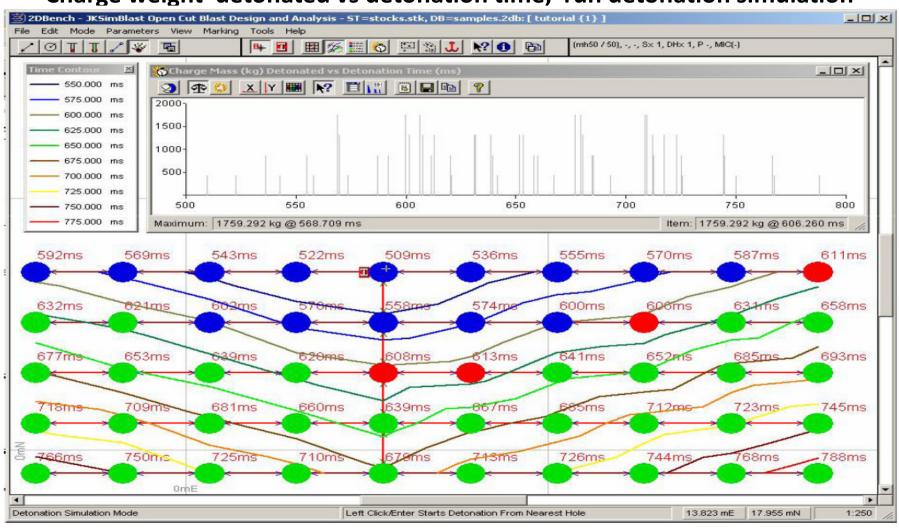


Blast Design on computer can save time, energy & Money SoftBlast Australia Software item 6





SoftBlast Australia 2D Bench Software will help to check on Time-Contour, Charge weight detonated vs detonation time, run detonation simulation







Bulk Explosive Analyses





KEY FEATURES

- For use on all bulk explosives containing emulsion (including low density products).
- Determines water and salt content of emulsions.
- Determines ANFO/emulsion ratio of mixed products.
- Calculates oxygen balance for single salt emulsions.
- Reports total water and total salts when the emulsion contains addition substances (e.g. calcium nitrate, urea etc).
- No chemicals required.
- Replaces a laboratory test of more than 4 hours duration with better accuracy.
- Portable and suitable for on-site use (requires 100-240v AC power).
- 5 minutes prep time labour required.





Thanks for your attention

JAGDEEPAK SHARMA
CHIEF EXECUTIVE
ULTRA ENVIRO-SYSTEMS (P) LTD
HS-6 KAILASH COLONY MARKET
NEW DELHI-110048 INDIA
PHONES: 91-11 29245904

FAX: 91-11 41731084

CELL: 098 100 20196 Web: www.ultraenviro.com