SHOTPLUS™

BLAST DESIGN AND MODELLING SOFTWARE TO OPTIMISE EVERY BLAST

Reduce the overall cost of drill and blast operations
Improve productivity
Improve safety
Facilitate regulatory compliance

SHOTPlus™ and SHOTPlus™ Premier blast design and modelling technologies enable users to design, visualise and analyse blast initiation sequences across surface and underground mining, quarry and construction applications.

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Precision design
- A full 3D design environment, including rotation tool to view blastholes from any angle and proximity, including blast face and drill floor
- Blast timing managed manually or automatically, with traditional pyrotechnic or advanced electronic blasting systems
- Blasting simulations highlighting any problems and confirming the timing sequence, before applying to the blast
- Horizontal and vertical views of blasthole profile, to optimise blasthole positions and check for problems prior to drilling
- Calculation tools provide angle of initiation, burden relief and first movement - burden relief tool calculates millisecond relief per metre of burden in the firing direction
- Single-click diagnostics show possible misfires, or booster assembly proximity to inert deck interfaces

Efficiency
- Loading rules created and saved with specific blasthole parameters, including multiple decks and initiators - apply to select holes or the entire blast
- Measurement tool to calculate dimensions
- A histogram display of nominal blasthole times, allows checking for any overlapping delays
- Automatic assignment of electronic blasting sequences, based on burden relief and desired firing directions
- Auto adjust electronic delay timings to meet desired firing windows for vibration control

Flexibility
- Import designs and layouts from other mine design software
- Create loading sheets in Microsoft Excel or other packages by exporting charging data
- Separate blast files merged into a master blast plan for planning and reporting
- Import and export templates allow streamlining of routine data transfers between software
- Develop logging plans and upload data from loggers and blasters
- Direct interface with Orica’s i-kon™ electronic blasting system, including a range of tools to manage blast movement, maximising on-bench efficiency

WHO SHOULD USE SHOTPLUS™:
- Drill and blast engineers
- Drill and blast operators
- Blast operations manager
- Mining, quarry and civil engineers
- Mining, quarry and civil consultants
SHOTPlus™ Premier delivers a full range of features to enhance the blast design process. In addition to the features outlined above, Premier offers many other tools to assist users to meet design objectives. The Volume Wizard allows calculation of volumes from survey data, the Profile tool allows repositioning of front row holes relative to the face, and the Mark Out tool allows users to adjust collar locations and angles of back row blastholes, plus many others.

To learn more about SHOTPlus™ or BlastIQ™ Platform, please contact your local Orica representative, or visit orica.com/SHOTPlus

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