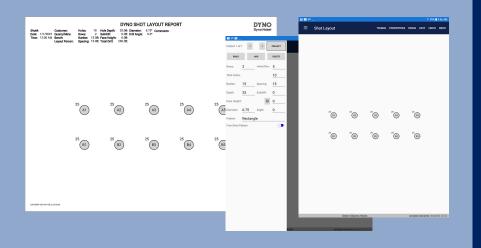


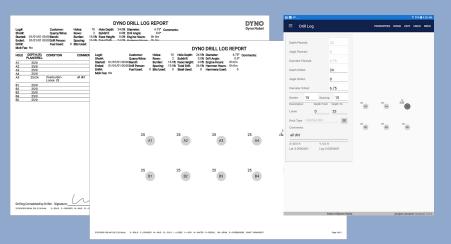
DYNO

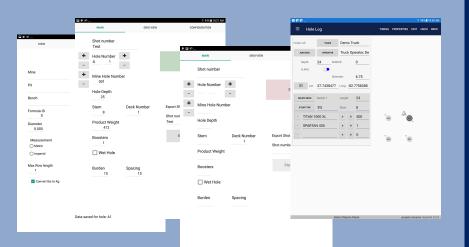
DynoMobile On-the-Bench Shot Design Tools



Groundbreaking Performance^{*}







DynoMobile is a suite of mobile apps that enable the blaster to design blasts and to capture electronic data while on the bench. These apps are available for all devices running Android, Windows, iOS

- DSL, the Dyno Nobel Shot Layout app allows the blaster to design shots on a tablet using absolute burden and spacing values or GPS coordinates. Complex patterns can be designed with the ability to add notations and drawings to the pattern. A created design can be emailed to the blaster or driller electronically for use by the Electronic Drill Log app (EDL) to track properties for each hole. This information can be uploaded to the Electronic Shot Report (ESR) to create the pattern and integrated with the EC200 to provide design, driling and loading data for each hole.
- EDL, the Electronic Drill Log, can accept pattern data from the DSL even if it comes from a different device. This allows actual drill hole conditions to be tracked during drilling and allows comparisons to be made between design and actual hole parameters. Once the pattern is drilled out, the data can be uploaded to the DataMiner system for reporting and integration with the Electronic Shot Report (ESR) to provide a complete picture of all relevant shot parameters.
- DHL, captures real-time hole loading and blast parameter information during hole loading when the EC200 control system is not available.
 - Truck operators enter the data as they load holes on the bench or pattern
 - Information is later synchronized to a PC and compiled into a single database
 - Database information is provided as data extract reports to the mine engineering office
 - Integrates with the Dyno Nobel Electronic Shot Report system (ESR)

www.dynonobel.com 800-732-7534

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