

# *PRECISION BLASTING SERVICES*

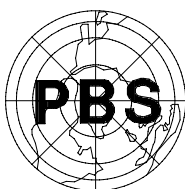
## *INTRODUCES*

# **DRILLING COST ANALYST VERSION 8.0**

For drilling and blasting operations, it may be difficult to determine the actual costs associated with the drilling operation. Comparing costs from one type of equipment to another is essential for optimization and cost reduction. Drilling Cost Analyst allows for the accurate calculation of costs for air drifters, hydraulic drifters, down hole hammers and rotary drills. It can accommodate either diesel or electrical power drives. The program conforms to the worldwide standard format of pull-down menus, which is used in the blasting industry. The programs are extremely easy to use with on-screen help. Since the program follows the standard format for drilling and blasting programs, it can be easily used by anyone who has previously purchased other blasting programs since formats are identical. There is no time lost relearning how to run the new program.

The Drilling Cost Analyst also works with either US or Metric units. This program has the capability of comparing four different types of drilling equipment at one time on the screen.

The program works with both U.S. and Metric units of measure and is available in English or Spanish.



PRECISION BLASTING SERVICES  
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**The Drilling Cost Analyst Considers:**

- Ownership or rental costs
- Direct labor costs
- Air compressor direct operating costs
  
- Drill operating costs
- Lubricant costs
- Hydraulic oil and filter costs
  
- Auxiliary engine operating cost
- Rock drill lubricant cost
- Bit costs
  
- Steel or pipe costs
- Coupling costs
- Striker bar costs
- Drill operating costs

**Program Output:**

- The fixed cost per length (feet or meters)
- Fixed cost per hour and per ton
- Fixed cost per volume (cubic yards or cubic meters)
- Operating cost per length (feet or meter)
- Operating costs per hour and per ton
- Operating cost per volume (cubic feet or cubic meters)
- Total cost per length (feet or meters)
- Total cost per hour and per ton
- Total cost per volume (cubic yards or cubic meters)
- Net volume per length (cubic yards per foot or cubic meter per meter)
- Net volume per hour (cubic yards per hour or cubic meters per hour)

E N T R Y	1	2	3	4	unit
File name:	DCAUS1.DCA	DCAUS2.DCA	DCAUS3.DCA	DCAUS4.DCA	
Drill type:	AIR DRIFTER	HYDRAULIC	DOWN HOLE	ROTARY DRILL	
Rock type:	GRANITE	GRANITE	GRANITE	GRANITE	
Specific gravity of	2.60	2.60	2.60	2.60	
Diameter of blast h	6.00	6.00	6.00	6.00	in
Air compressor capa	1,200.00	250.00	375.00	600.00	CFM
Operating pressure	125.00	100.00	200.00	100.00	psi
Fix. cost/length	0.01	0.01	0.02	0.03	\$/ft
Fix. cost/hour	2.00	2.00	2.00	2.00	\$/h
Fix. cost/weight	0.03	0.03	0.05	0.07	\$/ton
Fix. cost/volume	0.06	0.06	0.10	0.15	\$/yd3
Oper. cost/length	0.84	0.50	0.54	1.30	\$/ft
Oper. cost/hour	116.95	70.04	48.86	78.15	\$/h
Oper. cost/weight	1.72	1.03	1.11	2.68	\$/ton
Oper. cost/volume	3.76	2.25	2.44	5.86	\$/yd3
Total cost/length	0.85	0.51	0.57	1.34	\$/ft
Total cost/hour	118.95	72.04	50.86	80.15	\$/h
Total cost/weight	1.74	1.06	1.16	2.74	\$/ton
Total cost/volume	3.82	2.32	2.54	6.01	\$/yd3