

BEST PRACTICE

LOCATION:	Quarry	ARTICLE YEAR	2006
ACTIVITY:	Production and Processing	COMPANY:	Stemtek
SUB ACTIVITY:	Aggregate processing	COMPANY LOCATION:	Cheshire
BEST PRACTICE No:	BP356	COMPANY TEL:	01925 268397
COUNTRY OF ORIGIN:	United Kingdom		

TITLE

“Cyclops” camera to view the drill hole

ARTICLE

Stemtek has developed a “Cyclops” camera, which allows shotfirers to check the physical status and three dimensional path of a drill hole. It consists of a hand-held colour monitor and a small camera, mounted at the end of an aluminium tube. An infrared light source surrounds the lens of the camera, allowing it to be used in complete darkness. It is supplied with 20m of co-axial cable, which is strong enough to support the weight of the camera when lowered into a blast hole. Power can be provided either from a cigarette lighter socket in a vehicle or from a rechargeable 12vdc battery. The kit also contains a 12v charger and the complete system is housed in a robust box.

The camera can be easily lowered into a drill hole, providing clear pictures on the monitor. The Cyclops camera meets the need for a system that allows the shotfirer to see inside the hole and check the validity of the data recorded in the driller’s log. For example, the shotfirer can visually assess the extent of a cavity recorded by the driller.

Due to its compact size, the camera can also be used around the quarry for inspecting hard-to-reach areas, such as screens or feed hoppers.

ARTICLE IMAGES