Blasting sector for both Turkey and the world is a big sector in terms of work volume and economy. Large profits can be gained by choosing the best parameters in blasting. Choosing optimum parameters is possible by both good literature knowledge and experience, test blasts that are carried out according to local conditions. Evaluation and comparison of rounds are carried out by image analysis methods because fragmentation determination by sieving muck pile is too expensive and more difficult than image analysis methods. On the other hand, optimized blasting provides more profitability. There are many studies about blast optimization. But, parameters of blasting are many and more complex. So, it is necessity that blast trials are to be carried out in-situ.