

# **FIVE YEARS EXPERIENCE WITH THE DYNATRONIC ELECTRONIC FIRING SYSTEM**

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## **Abstract**

After the Dynatronic firing system was demonstrated for the first time at the SEE conference in Miami in 1987, it was officially approved in Germany at the beginning of 1993.

Dynatronic has now been on the market for 5 years. At present, it is used in several European countries and successful test series have been running in Australia.

Electronic detonators are without doubt the most important development in detonator technology. Better fragmentation is obtained. New quarry faces are smoother than after firing blasts with conventional detonators. Blasting induced vibrations are reduced.

In underground mining, in addition to better fragmentation, the output of the blasts is increased. In tunneling, important cost savings are resulting from overbreak reduction.