

MACHINE MAST ROCK DRILLING



Machine Mast Rock Drilling Alleviates Hand and Arm Vibration

The rock drill and mast are coupled to the arm of the machine and operated via a remote control unit attached to the operator's waist.

Powered by the machine's hydraulic system and a separate portable compressor, the rock drilling can be carried out free from Hand and Arm Vibration.

The drilling system is very versatile and has the capacity to drill various sizes and depths vertically or horizontally.

Suitable for :-

- Drilling mass concrete - masonry – rock
- Dowel bar drilling
- Induction line drilling
- Anchor hole drilling
- Hydraulic bursting holes to aid concrete removal

Advantages are :-

- No scaffolding required for high level horizontal holes
- Quick mobilisation and demobilisation
- No Hand and Arm vibration
- High outputs using one operative – machine

The images shown are for works carried out at Gatwick airport where deep concrete had to be removed without excessive noise and vibration due to the close proximity of the North Terminal and other airport constraints.

The concrete was rock drilled with 52mm diameter holes, and hydraulically burst using a mechanical burster to aid removal.



Specification details are: - Model Toyo TY85

Length	Drill Depth	Hole Diameter	Air Requirement	Drill Motor	Chuck Size	Weight
2.5 m	2.0 m +	19.0 mm - 63.5 mm	100 cfm	CP 32A	7/8 x 3 1/4	250 kg

