

PEDESTAL MOUNTED COMBINED CLAYGUN AND TAPHOLE DRILLING MACHINE

Make: TMT Tapping Measuring Technology

Quantity: Three (Two left hand operation and one right hand operation)

General:

The clay gun and drill booms are both supported from a common pedestal.

The point of clay gun boom rotation is central to the pedestal.

The drill boom rotation point is offset.

Both booms rotate hydraulically

Maximum angle of booms rotation is 220°

Clay gun type 50-50/70 HZ

At 200 bar hydraulic pressure

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|---------------------------------------|---------------------------------|
| • Effective clay volume | 50 liters maximum |
| • Clay extrusion rate | 3 - 15 liters/second (variable) |
| • Pressure on clay at clay piston | + 70 bar (variable) |
| • Clay extrusion force at clay piston | 50 tons |

Drill

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|----------------------------------|---|
| • Drill feed | Nominal 1500 - 2800 mm |
| • Pneumatic pressure requirement | 6 bar |
| • Chainfeed | Hydraulic drive chain feed forward and retract at variable speed. |

Hydraulic Units (2 off)

Consists of:

Hydraulic tank

Accumulators

Two electric motors and pumps

Control valves

Basic system specification

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|-------------------|-------------------------------------|
| • System pressure | 120 bar normal but rated at 250 bar |
| • Hydraulic fluid | Mineral oil only |
| • Accumulator | 8 x 15 litre - piston type |



