

# Automated Drill Press



Automatic drill to take rock samples of up to  $\varnothing$  2 1/2" and 5" of length.

Its 12 speeds (RPM) allow the user to graduate, according to the lithology, the most appropriate speed to take samples. The descent of the drill (Z axis) is automatically controlled, holding constant the relation between Torque Vs Drilling rate; in order to guarantee that the sample taken has an ideal geometry (perfect cylinder). If required it is possible to take the sample manually by just moving a knob; its positioning system in the X & Y axis allows to put the sample in the right place, likewise its quick positioning mode (X axis) allows moving in an agile way towards the next sampling point.

Its recycling system avoids the waste of cooling liquid (water, brine, mineral oil) and at the same time it separates by sedimentation of the cutting bits.

All the parts that are in contact with the fluids are built in stainless steel; the others are covered with anticorrosive epoxic resin and bituminous paint for a refined finish. The operators' security increases noticeably regarding previous versions due to the fact that the moving parts are protected.



Ingenio que transforma el mundo

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