



New Technologies

Drilling Optimisation

The increased cost of drilling can only be offset with improved productivity.

Additional costs caused by higher operational standards, environmental restrictions and increased hole depths will only get worse. In response, IMDEX is excited to present a suite of drilling systems, creating a paradigm shift in Drilling Optimisation.



IMDEX COREVIBE™

Energy pulse assisted drilling

Conventional wireline coring has been transformed. High frequency energy pulse assisted drilling (EPAD) enables the IMDEX COREVIBE™ to deliver a 30%* productivity gain, due to increased Rate of Penetration (ROP) whilst retaining good bit life, core quality and hitting targets.



Ideal in ground conditions where bit life is **GOOD** relative to the total hole depth.



IMDEX XTRACTA™

Retractable core barrel

Pulling rods is one of the most laborious, time-consuming and risky parts of diamond drilling, for operational and safety reasons. IMDEX XTRACTA™ allows the driller to inspect and/or change the bit/reamer each time the core is retrieved. This means there is no need to pull the rods to change bits and the hole is always cased, maintaining hole integrity.



Ideal in ground conditions where bit life is **SHORT** relative to the total hole depth.

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IMDEX COREVIBE™

Hard rock, not hard work

Maintaining high and consistent ROP can be a challenge, especially when encountering hard rock conditions. Pulses emitted by IMDEX COREVIBE™ allow the drill bit to traverse difficult downhole conditions without affecting core quality or deviation, with up to 30% increase in productivity* due to increased Rate of Penetration (ROP). Hit your target by maximising core run lengths with IMDEX COREVIBE™.

Boost driller confidence

Experience level and confidence will vary in any crew. With IMDEX COREVIBE™ in your fleet, highly productive drilling is achievable by drillers of any level and stripping the bit to keep it sharp is no longer an art form. No need to rely on the most experienced drillers to do the heavy lifting.

UP TO **30%**

**INCREASE IN
PRODUCTIVITY***

IMDEX XTRACTA™

Minimise manual handling

Safe practices are integral in any mining operation, with manual handling injuries more likely to occur in the drilling phase - particularly when handling heavy rods. Using the IMDEX XTRACTA™, there is no need to pull rods until the hole is complete, as drillers can inspect or change the bit/reamer on any core run (3-6m). Risk of injury is significantly reduced as the requirement to pull rods is no longer influenced by downhole conditions or typical bit wear.

Drill time, not down-time

Drill aggressively without down-time pulling rods, changing bits and re-entering the hole. No need to compromise on drill bit selection or risk hole deterioration/collapse reaming through drilled ground. With the ability to change every run, the bit/reamer can be switched depending on the formation and metres drilled can be maximized without deviation.



**INCREASE
PRODUCTIVITY**



**REDUCE RISK
OF INJURY**



**REDUCE HOLE
DETERIORATION**



**DRILL
AGGRESSIVELY**

*Validated by SGS, a world leading inspection, verification, testing and certification company.

One step ahead of the pack

The time is now to invest in drilling optimisation. For more information please contact your nearest IMDEX, AMC or REFLEX representative, or visit one of our websites: imdexlimited.com | amcmud.com | reflexnow.com

IMDEX COREVIBE™



	N SIZE		H SIZE	
Additional length in system With our shortened overshot IMDEX COREVIBE™ can run 3m or 6m core barrel	1.806 m	5' 11"	2.013 m	6' 7"
Additional weight in system Additional weight remains in the mast	28 kg	61.7 lb	44 kg	97.0 lb
Clean drilling fluid volumes & pressure Viscosity and lubricity dependent	14-16 GPM @ 320-360 psi higher than standard		16-18 GPM @ 400-450 psi higher than standard	

IMDEX XTRACTA™



X-44™

Core size	44.0 mm	1.73"
Pilot hole size	56.5 mm	2.22"
Hole size	75.7 mm	2.98"
IMDEX XTRACTA™ tool length	670 mm	2' 2"
IMDEX XTRACTA™ tool weight	6.7 kg	14.77 lb

RECOMMENDED PRODUCTS



REFLEX GYRO SPRINT-IQ™

Accurate drillhole surveying



REFLEX ACT-IQ™

Integrated core orientation



AMC BOS™

Torque reduction and borehole stabilisation



AMC DRILLING FLUIDS & DRILLING FLUID SPECIALIST

Optimised fluid for ground conditions and tool



AMC SOLIDS REMOVAL UNIT

Efficient solids removal and optimisation of drilled fluid

REAL-TIME SUBSURFACE SOLUTIONS

Leading IMDEX brands

IMDEX



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