Terrapin

Remote controlled demining excavator for area preparation and clearance tasks

The Terrapin is a small (6 tons class), light weight, remote controlled excavator-based system designed to perform area preparation and clearance tasks in anti-personnel (AP) contaminated minefields. The Terrapin features several attachments, including sifting buckets, a grinding bucket, a vegetation cutter, a grapple and standard excavating buckets. The attachments provide it with the capability to clear vegetation and obstacles, and mechanically remove and neutralize mines and unexploded ordnance (UXO). The system also features an arm with a reach of 5 meters and video monitoring capability to assist the operator.

STATUS

The Terrapin is undergoing an operational field evaluation in Lebanon with the Mines Advisory Group. To date, the system has helped clear 1,054 UXO items and 2,067 mines from 110,600 square meters of land.

Commercial Brokk Remote Excavator

- 6 Ton
- 70 HP
- 30 GPM
- Dual Hydraulic Pumps

**Cutting-Edge Solutions
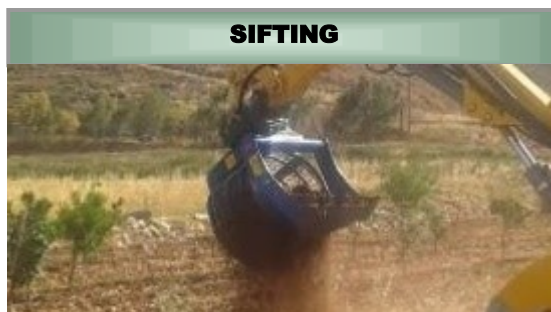DEMINING TECH
MINE CLEARANCE & AREA PREP**

FEATURES

- Remote-controlled operation with video monitoring

- Reach-in technology allows for safe operation of vehicle without entering the minefield

- Small, robust remote allows easy operation

- Excavator platform allows tailored tool options, including vegetation cutting, obstacle removal, excavation, sifting, and grinding

REMOTE CONTROL

SIFTING

EXCAVATING/GRINDING

GRAPPLE

VEGETATION CUTTER ON TERRAPIN IN TESTING

SPECIFICATIONS

Operating Weight	5,500 kg (12,100 lb)
Width	1.50 m (59.1 in)
Min Height	1.66 m (65.4 in)
System Pressure	207 bar (3000 psi)
Diesel Engine Power	50 kw (70 HP)
Fuel Capacity	56 L (15 Gal)
Max Travel Speed	2.1 km/hour
Vegetation Cutting Capacity	20 cm
Hyd Flow Rate	30 GPM
Max. Remote Control Distance	1000 m
Transit/Operational Speed	1 Km/hour
Max Dig Depth	3.75 m (12' 3")
Max Reach	5 m (16' 4")

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