



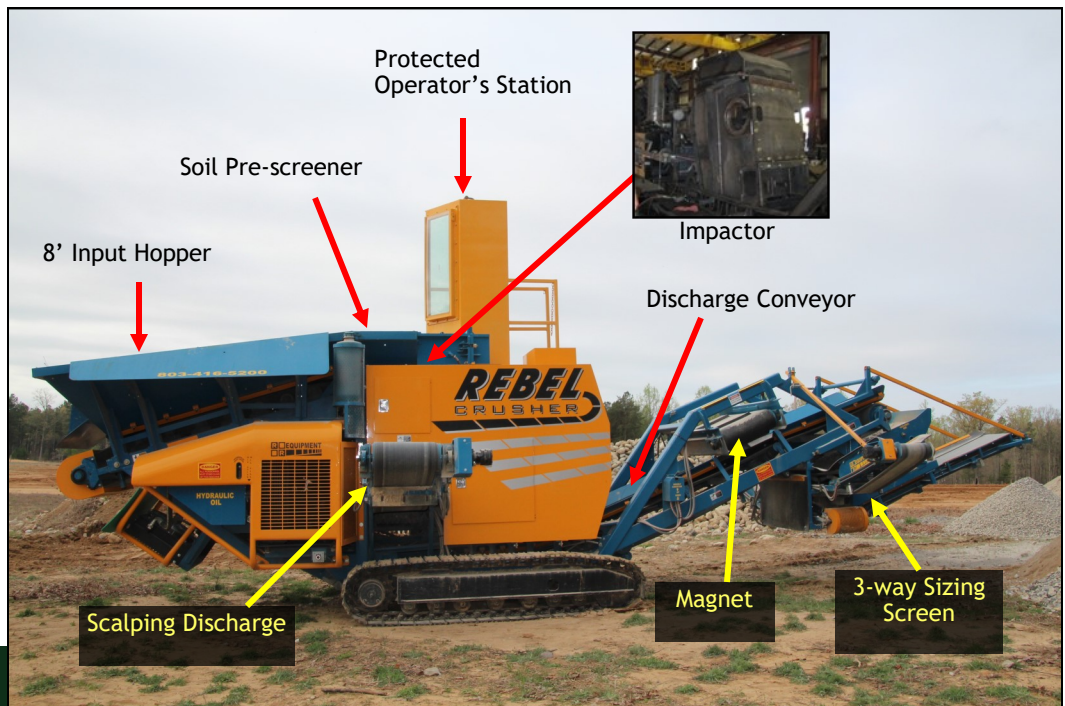
UNITED STATES DEPARTMENT OF DEFENSE

HUMANITARIAN DEMINING R&D PROGRAM

Rebel Crusher

Modified commercial rock crusher, hardened to withstand mine blasts. For use in rough mine contaminated conditions such as rocky soil and urban rubble

The Rebel Crusher is a combined mobile soil sifter and rock crushing plant modified for demining operations. It is designed to operate in areas where a significant fraction of the soil is composed of mine-sized objects (rocks) which make sifting difficult, or where dense metallic clutter makes mines undetectable. Modifications to the system include hardening the crushing chamber to withstand anti-personnel mine blasts, adding a protected operator's station, and increasing the capacity of the sifting mechanism. The Rebel Crusher is capable of processing 75-125 tons of soil per hour. The system successfully completed a technical evaluation in early 2013. It is now in Iraq



Status

The Rebel Crusher underwent an operational field evaluation by the Mines Advisory Group (MAG) in Iraq from 2014-2021.

MAG transferred the Rebel to Lebanon in July 2021.

where it is undergoing an operational field evaluation (OFE) by the Mines Advisory Group, an international demining non-governmental organization conducting mine clearance operations in Iraq.

FEATURES

- Large capacity for increased productivity
- Hardened to withstand repeated mine blasts
- Sifting stage conveyor enlarged to allow higher soil content necessary for demining
- Protected operator's station



Live TAB-1 and PMN mines after crushing



SPECIFICATIONS

Rebel Crusher

Weight	14.5 metric tons (16 tons)
Width / Height / Length	2286mm (90") / 2591mm (102") / 8890mm (350")
Hopper Capacity	3 cubic yards
Engine	200HP Deutz liquid cooled
Crusher Inlet Feed Opening	508mm x 914mm (20" x 36")
Diesel Fuel Consumption	31l (8 gal) per hour
Diesel Fuel Capacity	246l (65 gal)
Avg Operating Time per Tank	8 hours
Hydraulic Pressure (Crusher and/or Track)	Crusher and/or track—344 Bar (5000 PSI) All other components—242 Bar (3500 PSI)

APPLICATIONS

- Rugged mine contaminated areas such as rocky soil, urban rubble, stream beds, trash heaps, building ruins, road beds and areas under pavement

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