The new RENS metal detectors of the DMD-Ultra series demonstrate what is achievable in metal detection technology today. They also demonstrate the features characterizing the best metal detectors available.

The electronic control and evaluation unit, the DMD-Ultra is the core component of this equipment series. The DMD-Ultra can be used in the following applications:
- Conveyor Fed
- Gravity Fed
- Pipeline

Additionally, it can provide the controls for the rejection mechanism if desired.

CABINET DIMENSIONS AND TECHNICAL DATA
Dimensions: 9" (240mm) x 12" (315mm)
Weight: 12 lbs (5kg)
Connecting cable: 50 ft (15m)
Mains Cable: 1.8M (6 ft) with plug (integral EMV filter)

PERFORMANCE CHARACTERISTICS
- Digital signal processing and quartz-stable search frequency.
- Microprocessor-controlled, self-monitoring, self-balancing, temperature-compensated.
- Multi Filter system- digital filters ensure optimum stability and operation in harsh environments.
- Highest sensitivity for all metals.
- Link to processing software or PLC- the system can electronically signature the location of metal in the product—sending the information to the process software and/or PLC.
- Dye Marking System - accurately marks contaminated area (optional).
- Automatic or manual reset in case of metal detection.
- Remote maintenance is possible by way of Central Intelligence Management and a modem.
- Set-up memories store the system data when the electronic unit or the battery is replaced.
- Network capable- Allows connection to all RENS DMD Metal Detectors from a central mill location.
- Touch Pad Controls are wash down safe.
- Touch Pad Controls provide easy to use menu driven commands.
- CE certified.
- 4 level password protection (user, master, supervisor, service).
- Virtually eliminates outside interference such as variable frequency drives and two way radios avoiding false or nuisance trips.
- Double Half Wave (DHW) increases noise immunity during normal operation in a stop and go conveyor.

4 level password protection (user, master, supervisor, service).