



# Digital Signal Processor Metal Detectors Series: DSP-MD

## Model Shown DSP-MD

The DSP-MD is a three coil DSP (Digital Signal Processor) gravity separator designed for the most stringent bulk processing requirements. The DSP design offers increased security, sensitivity, & productivity. The unit provides the optimum in sensitivity without the problems associated with false rejects. The EX-SEP sensor head, control unit and support frame are stainless steel and meet USDA requirements for bulk products.



Model shown  
with reject assembly

**Applications:** MPI's Digital Signal Processor Metal Detectors EX-SEP series offer high quality Digital Signal Processor (DSP) technology for use in bulk material gravity process lines. A wide range of standard features make this product ideal for sanitary applications such as food products. Units are designed for simple programming adjustments when needed for applications that include multiple system product processing and environmental product effect changes. The EX-SEP is designed for gravity systems where the highest standards of sensitivity, controllability, and reliability are required.

### Operation:

- Requires metal free zone
- RS 232 serial data interface
- Powerdrive circuit provides reliable operation even in areas of interference
- Password protection, protects against unauthorized operation

- Control unit-wall mounting with 8' cable 110/220VAC
- Sensitivity of .5mm FE possible

### Standard Features:

- Digital Product effect compensation
- Digital balance control
- Digital frequency control
- Digital noise filters
- Programmable function keys with LCD display
- Product Library- up to 50 different products can be stored

### Options:

- Audible reject alarm
- Visual reject beacon
- Test Ball access door & retrieval gate

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