



PERMAG's Rare Earth Magnetic Roll Separator provides a unique inclined belt feeding system to maximize overall performance and efficiency.

The design of the magnetic rolls ensures the optimum combination of magnetic field strength and magnetic gradient to give the most effective separation.

## FEATURES

- ▶ Provides an alternative in handling a wide variety of materials which do not respond well to traditional methods of processing
- ▶ Can recover particles with a wide range of magnetic susceptibility and particle size up to minus 325 mesh
- ▶ 3" and 4" diameter rolls and width ranging from 5" to 60" long
- ▶ Cantilever design which allows for quick belt replacement by a single operator.
- ▶ Standard models include single, double, and triple stage machines
- ▶ High strength neodymium-boron-iron permanent magnets
- ▶ Multiple separation stages available on one separator
- ▶ Kevlar feed belt. Positive belt tracking features
- ▶ Mounted vibratory feeder with control to provide consistent feed rate to the magnetic roll
- ▶ Variable speed drive. Feed belt speeds up to 250 fpm using a variable frequency control
- ▶ All stainless steel construction
- ▶ Wide range splitter to segregate magnetics and non-magnetics
- ▶ Flanged magnetic and non-magnetic product discharge chutes
- ▶ Dust tight housing available
- ▶ High temperature magnets available