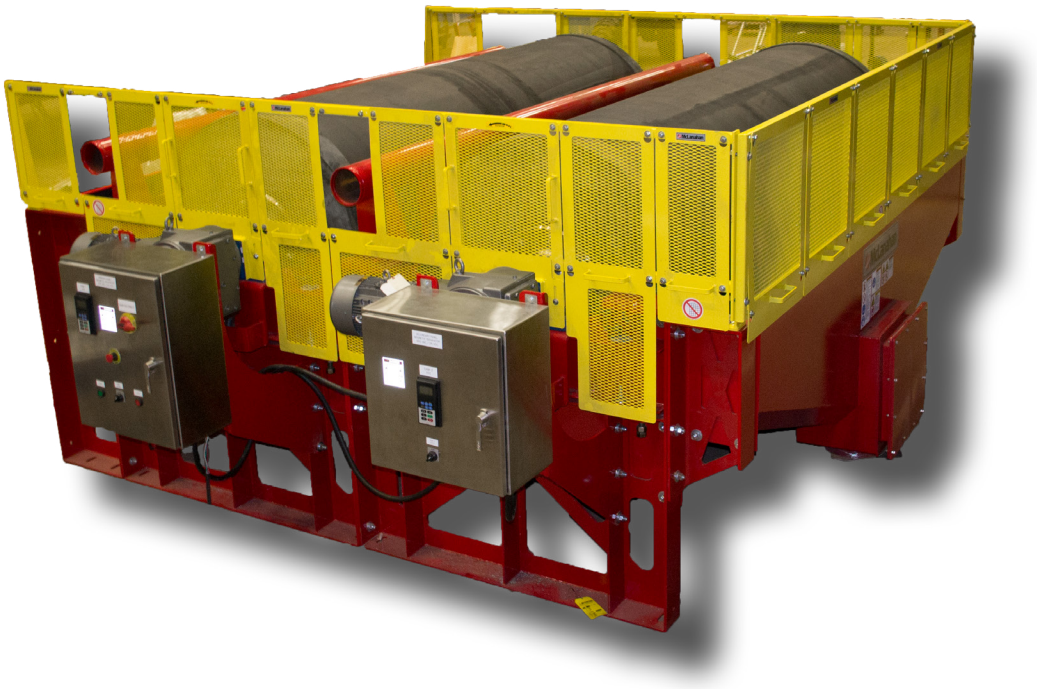

Low Intensity Wet Magnetic Separators

SIMPLER MAGNET REPLACEMENT – Magnets are attached to stainless steel bars instead of directly to yoke, allowing for an entire row of magnets to be replaced at one time, if needed.

REINFORCED YOKE DESIGN – Yoke pipe wall thickness increased, as well as reinforced with steel bar. Rigid yoke maintains consistent magnet location inside drum.

IMPERIAL FASTENERS – All metric fasteners have been replaced by imperial equivalents

MODULAR CONSTRUCTION – From one tank to three tanks, all connections are symmetrical and accounted for. A two tank unit can use the same side frames, tanks, hopper, and product chute as a one or three tank unit.

SYMMETRICAL DESIGN – Both side frames on the main tank are symmetrical. One spare side frame can replace either side.

SEALED TAILINGS CHUTE – Overflowing of the tailings chute is prevented by the new trough design. The access port is sealed with a standardized flange and gasket set to seal the trough while still allowing easy maintenance.

FLOATING DRUM DESIGN – All components affected by the location of the drum are tied directly to the two beam assemblies the drum is mounted on. This increases adjustability as well as ease of adjustment. All adjustments can be made from the side of the trough and once set; drum height can be adjusted without having to re-adjust the concentrate lip.

DRUM HEIGHT ADJUSTMENT – Drum can be adjusted with the four standard jacking bolts or with an optional hydraulic lift kit. Both kits are compatible with the standard base frame, so the hydraulic lift can be added in the future if desired.

EASY OPERATOR ADJUSTABILITY – All forms of adjustment were designed to allow the operator to adjust the machine without having to use a crane. Jacking bolts and push/pull bolts were added to accommodate easy adjustment of the drum.

MULTIPLE DRIVE OPTIONS – The drive mounting system used on the magnetic separator allows for multiple drive suppliers based on the customer's preference. Depending on which drive is used, the only change to the machine is a drive specific bracket to support the gear motor torque arm. The rest of the machine remains intact.