

Test Equipment at the Technical Center

SEPARATORS - DRY

- Rare Earth Dry Drum Separator 15-in. (381-mm) diameter x 13-in. (330-mm) width, salient rare earth permanent magnetic circuit
- Rare Earth Dry Drum Separator 24-in. (610-mm) diameter x 14-in. (356-mm) width, salient rare earth permanent magnetic circuit
- CC Dry Drum Separator 15-in. (381-mm) diameter x 12-in. (305-mm) width, ceramic criss-cross permanent magnetic circuit
- AA Dry Drum Separator 15-in. (381-mm) diameter x 14-in. (356-mm) width, ceramic axial permanent magnetic circuit
- DFA Lab Drum Separator 36-in. (904-mm) diameter x 42-in. (1067-mm) wide, 4 circuit configurations available for optimization

- Rare Earth Roll Separator 5-in. (127-mm) width with vibratory feeder, rare earth magnet circuit
- Lab Electrostatic Separator 14-in. (330-mm) diameter x 10-in. (254-mm) wide drum, variety of test electrode configurations available, up to 35K volts

- Grate In Housing 12.5-in. (318-mm) x 10-in. (254-mm) grate, wide range of ceramic and rare earth tube magnets available for tests

- Easy-To-Clean Grate In Housing 8.5-in. (216-mm) x 6-in. (152-mm) RE 3 HP rare earth tube magnets
- Self-Cleaning Grate 14-in. (356-mm) x 12-in. (305-mm) flow area, rare earth magnetic circuit, programmable timer to adjust cleaning cycle

- Dry Vibrating Magnetic Filter 4-in. (102-mm) diameter bore, 0.5 Tesla, variety of matrix available

- Ceramic Plate Magnets a wide variety available
- Rare Earth Plate Magnets a wide variety available
- Deep Reach Magnetic Separator 10-in. (254-mm) x 10-in. (254-mm) opening, ceramic magnet circuit
- REA Eddy Current Separator 22 pole rare earth rotor, 12-in. (305-mm) wide x 3-ft. (914-mm) long belt, variable speed
- FA Eddy Current Separator 22 pole ferrite magnet rotor, 12-in. (305-mm) wide x 3-ft. (914-mm) long belt, variable speed

SEPARATORS—WET

- Rare Earth Wet Drum 12-in. (305-mm) diameter x 12-in. (305-mm) width, rare earth magnetic circuit
- Rare Earth Wet Drum 24-in. (610-mm) diameter x 15-in. (381-mm) width, salient-pole rare earth magnetic circuit

- CE 5-7 Coolant Cleaner 5-in. (127-mm) diameter x 7-in. (178-mm) width, extended pole, continuous rotation
- CS 5-7 Coolant Cleaner 5-in. (127-mm) diameter x 7-in. (178-mm) width, continuous rotation
- CS 8-7 Coolant Cleaner 8-in. (203-mm) diameter x 7-in. (178-mm) width, continuous rotation

- L-8 Lab Wet Drum 12-in. (305-mm) diameter x 7.5-in. (191-mm) width, electromagnetic circuit
- L-4 - 20 WHIMS 2 Tesla, 1-in. (25-mm) gap x 8-in. (203-mm) long matrix, electromagnet

- CrossFlow Hydraulic Classifier 2-in. (5-cm) width x 4-in. (10-cm) length
- HydroFloat Density Separator 2-in. (5-cm) width x 4-in. (10-cm) length
- Froth Flotation Column 2-in. (5-cm) dia. x 60-in. (152-cm) height
20-in. dia. x 10-ft. (3-m) height pilot test cell

MAGNETIC CONVEYORS

- 1228 Chip Conveyor 28-in. (711-mm) width with variety of permanent magnet test circuits available
- 916 Chip Conveyor 16-in. (406-mm) width with variety of permanent magnet test circuits available
- 68 Chip Conveyor 8-in. (203-mm) width with variety of permanent magnet test circuits available
- Magnetic Belt Conveyor 4-in. (102-mm) width, 4-ft. (1.2-m) long with dog leg, ceramic magnet circuit



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VIBRATORY FEEDERS/ CONVEYORS & SCREENERS

- TM 305 Vibratory Feeder two mass, 1/2-in. (13-mm) stroke, 30-in. (762-mm) wide x 60-in. (1524-mm) long tray
- Syncrosizer 48-in. (1219-mm) diameter circular screen separator with up to four decks
- EM S2 Vibratory Screen two mass, 1/2-in. (13-mm) stroke, 24-in. (610-mm) wide x 54-in. (1372-mm) long tray
- Vibratory Feeders multiplicity of models and tray sizes available with hoppers

LIFTING MAGNETS

- SL-1 1/2 Selecto Lifting Magnet 76 lb (34 kg) breakaway capacity, 1 5/8-in. (42-mm) diameter working face
- SL-3 Selecto Lifting Magnet 185 lb (84 kg) breakaway capacity, 3-in. (76-mm) diameter working face
- SL4 Selecto Lifting Magnet 750 lb (340 kg) breakaway capacity, 4-in. (102-mm) diameter working face
- SL-5 Selecto Lifting Magnet 2060 lb (934 kg) breakaway capacity, 5 9/16-in. (141-mm) diameter working face
- SL-8 Selecto Lifting Magnet 5600 lb (2540 kg) breakaway capacity, 8 5/8-in. (219-mm) diameter working face

- 449 Rectangular Lifting Magnet 1860 lb (845 kg) breakaway capacity, 4-in. (102-mm) x 9-in. (229-mm) working face
- 4430 Rectangular Lifting Magnet 6240 lb (2830 kg) breakaway capacity, 4-in. (102-mm) x 30-in. (763-mm) working face
- 6612 Rectangular Lifting Magnet 3300 lb (1500 kg) breakaway capacity, 6-in. (152-mm) x 12-in. (305-mm) working face

- 518 Bi-Polar Lifting Magnet 7875 lb (3570 kg) breakaway capacity, 5 1/4-in. (133-mm) x 18-in. (457-mm) working face
- 1024 Bi-Polar Lifting Magnet 23700 lb (10750 kg) breakaway capacity, 10 1/4-in. (260-mm) x 24-in. (610-mm) working face

- FS-250 Failsafe Lifting Magnet 500 lb (225 kg) breakaway capacity, 5 1/2-in. (140-mm) x 8-in. (203-mm) working face

- M-5 Safehold NPL Lifting Magnet 200 lb (91 kg) breakaway capacity, 2-in. (51-mm) x 4 1/4-in. (108-mm) working face
- M-25 Safehold NPL Lifting Magnet .. 1000 lb (454 kg) breakaway capacity, 3 1/2-in. (89-mm) x 7 1/4-in. (184-mm) working face
- M-50 Safehold NPL Lifting Magnet .. 2000 lb (907 kg) breakaway capacity, 3 1/2-in. (89-mm) x 12 1/4-in. (311-mm) working face
- M-75 Safehold NPL Lifting Magnet .. 3000 lb (1360 kg) breakaway capacity, 6 1/4-in. (159-mm) x 11 3/4-in. (298-mm) working face

- EPL-120 Safehold Lifting Magnet 750 lb (340 kg) breakaway capacity, 2 3/4-in. (70-mm) x 6-in. (152-mm) working face
- EPL-121 Safehold Lifting Magnet 1400 lb (635 kg) breakaway capacity, 2 7/8-in. (73-mm) x 9 1/2-in. (241-mm) working face
- EPL-122 Safehold Lifting Magnet 3000 lb (1360 kg) breakaway capacity, 5 3/4-in. (146-mm) x 9 1/2-in. (241-mm) working face
- EPL-123 Safehold Lifting Magnet 4000 lb (1814 kg) breakaway capacity, 8 1/2-in. (216-mm) x 9 1/2-in. (241-mm) working face
- EPL-123FR Safehold Lifting Magnet 4000 lb (1814 kg) breakaway capacity, 8 1/2-in. (216-mm) x 9 1/2-in. (241-mm) working face

METAL DETECTORS

- E-Z Tec V SlimTec Aperture 3-in. (76-mm) x 24-in. (610-mm) aperture, remote analog control
- E-Z Tec V Horizontal Integral 3-in. (76-mm) x 10-in. (254-mm) aperture, analog control
- E-Z Tec V Horizontal Integral 6-in. (152-mm) x 20-in. (508-mm) aperture, MPC control
- E-Z Tec V Horizontal Integral 8-in. (203-mm) x 10-in. (254-mm) aperture, MPC control
- E-Z Tec V Horizontal Integral 12-in. (304-mm) x 20-in. (508-mm) aperture, MPC control

- Metalarm Trough Plate Coil, 24-in. belt width, 35° angle
- Metalarm Super "S" Plate Coil, 26-in. belt width
- Metalarm Trough Self Cleaning, 28-in. belt width, 25° angle
- Metalarm QM2 3500 Control
- Metalarm MA6301 Control
- Metalarm S Coil with Ferrite Plate Coil
- Metalarm HH10 Handheld Metal Detector
- E-Z Tec IV Pharmaceutical 1.5-in. x 5-in. on stand
- Conveyor with 18-in. wide belt and Pusher Arm, Diverter Arm, Divert gate and belt stop reject systems
- Conveyor with 9-in. wide belt and Pusher Arm, Diverter Arm, Divert gate and belt stop reject systems
- Desk top computers for remote communications demonstrations

MISCELLANEOUS

- 5DRW Demagnetizer 5-in. (127-mm) diameter bore, single phase, 60 hertz, 600 oersted
- Davis Tube Tester 4K gauss magnetic field, adjustable angle, variable speed to 90 cpm

