

MAGNETIC TECHNOLOGY

ULTRA HIGH FREQUENCY EDDY CURRENT SEPARATOR Model BVIS

TECHNICAL SPECIFICATIONS

Designed with a concentric rotor for maximum exposure of material to magnetic field. Concentric rotor design allows for the use of large permanent magnet blocks and for disposing of maximum magnetic energy.

This, combined with high speed rotor (from 3,000 up to 4,800 rpm), provides superior metal recovery and purity performance.

Ideal for performing both an instantaneous and progressive separation on ultra fines metals. The use of a ferrous separation, before passing on the high frequency ECS, is recommended in order to optimize non-ferrous metal recovery and protect the ECS against ferrous damage exposure.

PRODUCT HIGHLIGHTS

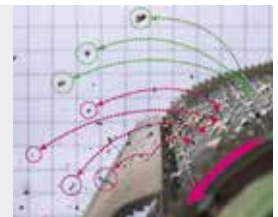
- Latest generation of performing neodymium permanent magnets

- Enclosed designed and suction accommodation for dusty material
- Electronic emergency fast breaking system (no clamping)
- Designed for easy access to the inside of the ECS and for easy maintenance

OPTIONAL FEATURES

- Brush cleaning system for belt
- Automatic or manual splitter adjustment
- Ceramic shell for fiber glass drum
- Vibrating feeder

NOT EVERY PIECE OF NON-FERROUS METALS JUMP INSTANTANEOUSLY ON AN ECS, SOME REQUIRE MORE TIME. CONCENTRIC ROTOR DESIGN ALLOWS FOR PROGRESSIVE SEPARATION VERSUS ECCENTRIC ROTOR DESIGN THAT ONLY ALLOWS INSTANTANEOUS SEPARATION.



MODEL	RPM	NUMBER OF POLES	ADJUSTABLE BELT SPEED	CAPACITY (*)	MAGNETIC FREQUENCY	LENGTH	WIDTH	HEIGHT	WEIGHT
BVIS 55 Extra Fine Fine	4,800	36	0.8-1.8 m/sec 2.5-6 ft/sec	0,5 - 2 t/h	1440 Hz	2300 mm 90"	1170 mm 40"	1380 mm 54"	1,500 Kg 3,307 lbs
BVIS 100 Extra Fine Fine	4,800	36	0.8-1.8 m/sec 2.5-6 ft/sec	1.5 - 4 t/h	1440 Hz	2300 mm 90"	1560 mm 61"	1380 mm 54"	2,000 Kg 4,409 lbs
BVIS 100 Medium	3,000	24	0.8-1.8 m/sec 2.5-6 ft/sec	1.5 - 4 t/h	600 Hz	2300 mm 90"	1560 mm 61"	1380 mm 54"	2,000 Kg 4,409 lbs
BVIS 150 Extra Fine Fine	4,400	36	0.8-1.8 m/sec 2.5-6 ft/sec	2 - 6 t/h	1320 Hz	3490 mm 137"	2300 mm 90"	1700 mm - 67"	3,000 Kg 6,614 lbs
BVIS 150 Medium	3,000	24	0.8-1.8 m/sec 2.5-6 ft/sec	2 - 6 t/h	600 Hz	3490 mm 137"	2300 mm 90"	1700 mm - 67"	3,000 Kg 6,614 lbs
BVIS 200 Extra Fine Fine	4,000	36	0.8-1.8 m/sec 2.5-6 ft/sec	3 - 8 t/h	1200 Hz	3530 mm 139"	3000 mm 118"	1700 mm 67"	4,000 Kg 8,814 lbs
BVIS 200 Medium	4,000	28	0.8-1.8 m/sec 2.5-6 ft/sec	3 - 8 t/h	700 Hz	3530 mm 139"	3000 mm 118"	1700 mm 67"	4,000 Kg 8,814 lbs

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TYPICAL APPLICATIONS

- Auto Shredder Residue (ASR)
- Municipal solid waste incinerator ash (IBA)
- Waste of electrical and electronic equipment (WEEE)
- Wood waste

DESIGNED FOR

- Extra fine fraction <5mm - 3/16" down to 1mm - 1/32"
- Fine fraction <12mm - 1/2"
- Medium fraction from <12mm - 1/2" to 20mm - 1 3/4"

