

MAGNETIC TECHNOLOGY

# ULTRA FREQUENCY EDDY CURRENT SEPARATOR

## Model TVIS - The “Titanium” ECS

### TECHNICAL SPECIFICATIONS

Designed with a concentric rotor provided with a special titanium protection sleeve to contain the exceptional centrifugal forces submitted to the permanent magnet blocs when rotor spins at 6.000 rpm.

Ideal for performing an instantaneous separation on ultra-fines light metals.

The use of a ferrous separation before passing on the high frequency ECS is recommended in order to optimize the non-ferrous metal recovery and protect the ECS against ferrous damage exposure.

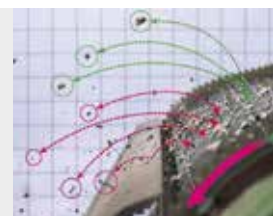
### PRODUCT HIGHLIGHTS

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

### OPTIONAL FEATURES

- 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

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	CAPACITY (*)	ADJUSTABLE BELT SPEED	MAGNETIC FREQUENCY	LENGTH	WIDTH	HEIGHT	WEIGHT
TVIS 100	6,000	18	2-3 t/h	0.6-1.8 m/sec 2-6 ft/sec	900 Hz	4215 mm 166"	1980 mm 78"	1550 mm 61"	2,200 Kg 4,850 lbs

(\*) Depending on application, material specific weight and metal content in material

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## TYPICAL APPLICATIONS

Municipal solid waste incinerator ash (IBA)  
Auto Shredder residue (ASR)  
Waste of electrical and electronic equipment (WEEE)  
Extra fines light metals < 3mm - 1/8" down to 0.2mm - 0"  
Ideal for performing an instantaneous separation on  
ultrafines light metals with rotor spinning at 6.000 rpm

