

PRODUCTS & SERVICES

● MINING / MINERAL PROCESSING EQUIPMENT

● EARTH MOVING, DIGGING, & CONSTRUCTION EQUIPMENT

● INSTRUMENTS, TOOLS, & ACCESSORIES

● TECHNICAL AND CONSULTING SERVICES

● REPRESENTATIVES WORLDWIDE

USED EQUIPMENT

NEWS & PROMOTION

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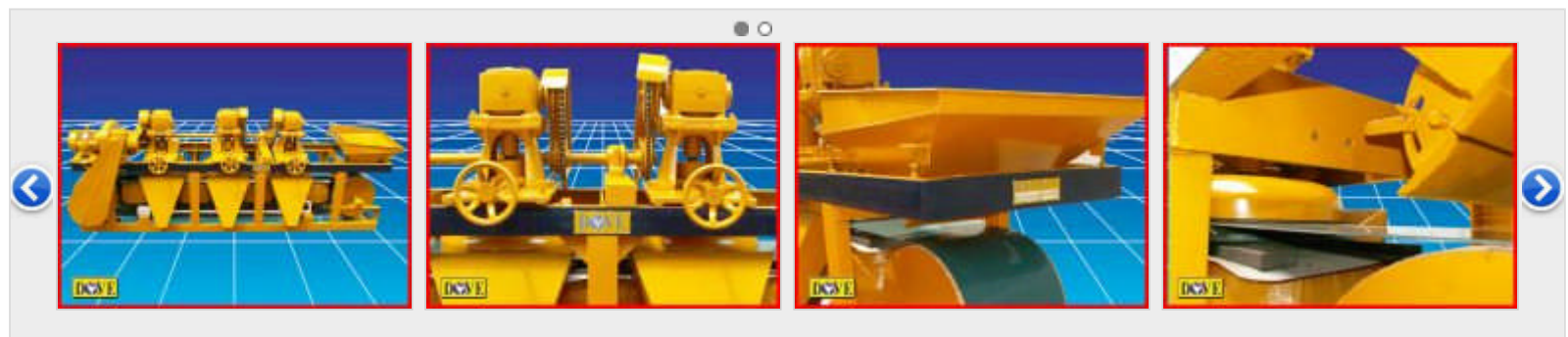
MAGNETIC SEPARATORS, ELECTRO MAGNETIC MINERALS SEPARATOR, MINING EQUIPMENT SEPARATOR



DOVE high intensity Magnetic Separators are the most common and widely used type of magnetic separator in the world. The (DISC TYPE) high intensity magnetic separator is a highly selective machine especially designed for the continuous separation of various minerals with intermediate susceptibilities.

APPLICATION

- Concentrating of dry, granular minerals such as ilmenite, garnet, monazite, wolframite, columbite, tantalite, etc.
- Separation and removal of minerals of low magnetic susceptibility from cassiterite, zircon, shellite, rutile, etc.
- Efficient and clean separation of cassiterite (Tin) from mixture of other minerals (i.e., Ilmenite), where the specific gravity differences are not sufficiently large for effective gravitational wet process to be effective.
- Separation of Garnet and Monazite from Zircon.
- The removal of feebly magnetic particles from swart.
- Purification of abrasives.
- Purification of quartz for the glass making industry.
- Extraction of iron oxides from chemicals and various food products.



CONTACT FOR BROCHURE & QUOTATION sales@dovemining.com

TECHNICAL SPECIFICATIONS

COMPONENT	UNIT	MODEL			
		HMS-D1	HMS-D2	HMS-D3	
FEED RATE (CAPACITY)	Kg	500 - 600	500 - 600	500 - 600	
	Lb	1100 - 1320	1100 - 1320	1100 - 1320	
MAXIMUM FEED PARTICLE SIZE	mm	2	2	2	
	mesh B.S.	10	10	10	
BELT WIDTH	inch	-	15	15	
	mm	-	381	381	
NUMBER OF MAGNETIC DISCS	Quantity	1	2	3	
MAGNETIC PRODUCTS TO SEPARATE	Products Quantity	2	4	6	
FLUX DENSITY	K/GAUSS	1.5	1.8	1.8	
DRIVE MOTOR	Kw	1.5	2.2	4.8	
	Hp	1.8	2.6	5.7	
COOLING FAN MOTOR	Hp	0.25	-	-	
	Kw	0.20	-	-	
OVERALL DIMENSIONS	LENGTH	1346 (53)	2990 (117.7)	3760 (148)	
	HEIGHT	mm (INCH)	1524 (60)	1334 (52.5)	1334 (52.5)
	WIDTH	1346 (53)	990 (38.9)	990 (39)	
RECTIFIER CONSOLE DIMENSION	LENGTH	mm (INCH)	292 (11)	476 (18)	584 (23)
	HEIGHT	406 (16)	406 (16)	406 (16)	
	WIDTH	178 (7)	178 (7)	178 (7)	
NET WEIGHT	Lb	2970	4191	6077	
	Kg	1350	1905	2762	

TOTAL SOLUTION FOR YOUR MINING OPERATION

LEADER IN SURFACE MINING TECHNOLOGY