

PAL

METAL
REMOVERS

MAGNETIC DRUMS, ELECTROMAGNETIC DRUMS, NEODYMIUM CAGE,
DEFERRIZING GROUPS, MAGNETIC TRAPS, OVERBELT MAGNETS,
METAL KILLER, EDDY CURRENT SEPARATORS



/ Induction Grading Machine

- designed for removal of non-ferrous metals from the flow;
- pressurized system to avoid dust concentration near the inductive drum;
- electric cubicle with frequency converters & PLC provided as option.



/ Metal Removing Group

- combination of systems for the removal of ferrous and non-ferrous metals;
- low total installed power;
- low total installation cost.



/ Deferizzaing Unit

- combined removal of ferrous metals from the bottom and top of the thinly-spread layer of the material;
- available with different magnetic gradient;
- feeding conveyor provided as option (vibrating feeder or dosing screw).



/ Neodymium Cages

- designed for removal of residual ferrous pollutants and ferrous dust from wet or dry particles;
- good protection of the steel belts of the continuous presses;
- unit can be installed in the discharge mouth of the metering bins or belt scales.



FERROUS METALS REMOVERS

03.07.A

MAGNETIC DRUMS

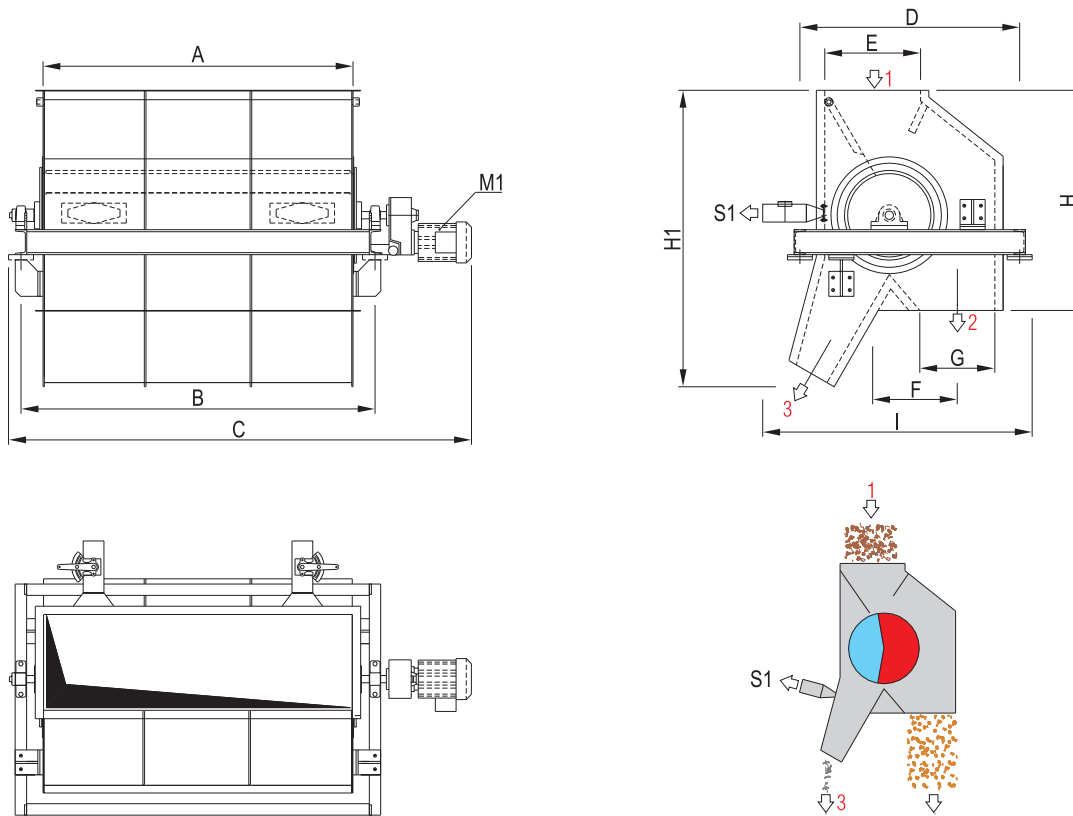
FOR CHIPS, SAWDUST AND PARTICLES

TECHNICAL FEATURES

/ Strong family of magnetic drums fitted with bearings and supports / Drive system / Assembled unit complete of containment box.

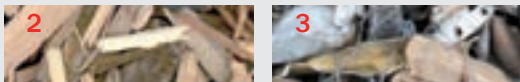
BENEFITS

/ High efficiency and reliability / Removal of ferrous pollutants from chips, sawdust, particles, etc. / Simple installation / Very low maintenance.



1= POLLUTED MATERIAL 3= FERROUS METAL REMOVED
 2= CLEANED MATERIAL M1= MAGNETIC DRUM ROTATION

Not binding data. We reserve the right of modification at any time without prior notice.



03.07.A

MD

FOR CHIPS, SAWDUST AND PARTICLES

OVERALL DIMENSIONS mm

MODEL	A	B	C	D	E	F	G	H	H1	I	S1 pcs
MD.400x 700.HG	682	1060	1380	1020	460	407	360	1057	1420	1440	2
MD.400x1000.HG	982	1200	1680	1195	460	407	360	1057	1420	1440	2
MD.400x1300.HG	1282	1500	1980	1195	460	407	360	1057	1420	1440	2
MD.400x1500.HG	1482	1700	2180	1195	460	407	360	1057	1420	1440	2
MD.500x1000.HG(VHG)(UHG)	988	1290	1660	1820	660	580	660	1590	1590	2020	2
MD.500x2200.HG(VHG)(UHG)	2188	2490	2860	1820	660	580	660	1590	1590	2020	3
MD.600x2200.HG(VHG)(UHG)	2188	2490	2860	1820	660	580	660	1590	1590	2020	3

() Option

MODEL	CAPACITY BULK CHIPS m ³ /h	INSTALLED POWER kW	SUCTION S1			WEIGHT APPROX. KG	
			M1	SUCTION m ³ /h	AIR SPEED m/s		SUCTION PRESSURE
MD.400x 700.HG	75	1,1		2 x 800	29	200	700
MD.400x1000.HG	100	1,1		2 x 800	29	200	750
MD.400x1300.HG	135	1,1		2 x 800	29	200	800
MD.400x1500.HG	155	1,1		2 x 800	29	200	835
MD.500x1000.HG(VHG)(UHG)	125	1,1		2 x 800	29	200	850
MD.500x2200.HG(VHG)(UHG)	270	1,5		3 x 800	29	200	1750
MD.600x2200.HG(VHG)(UHG)	330	1,5		3 x 800	29	200	2450



FERROUS METALS REMOVERS

03.07.A

ELECTROMAGNETIC DRUMS

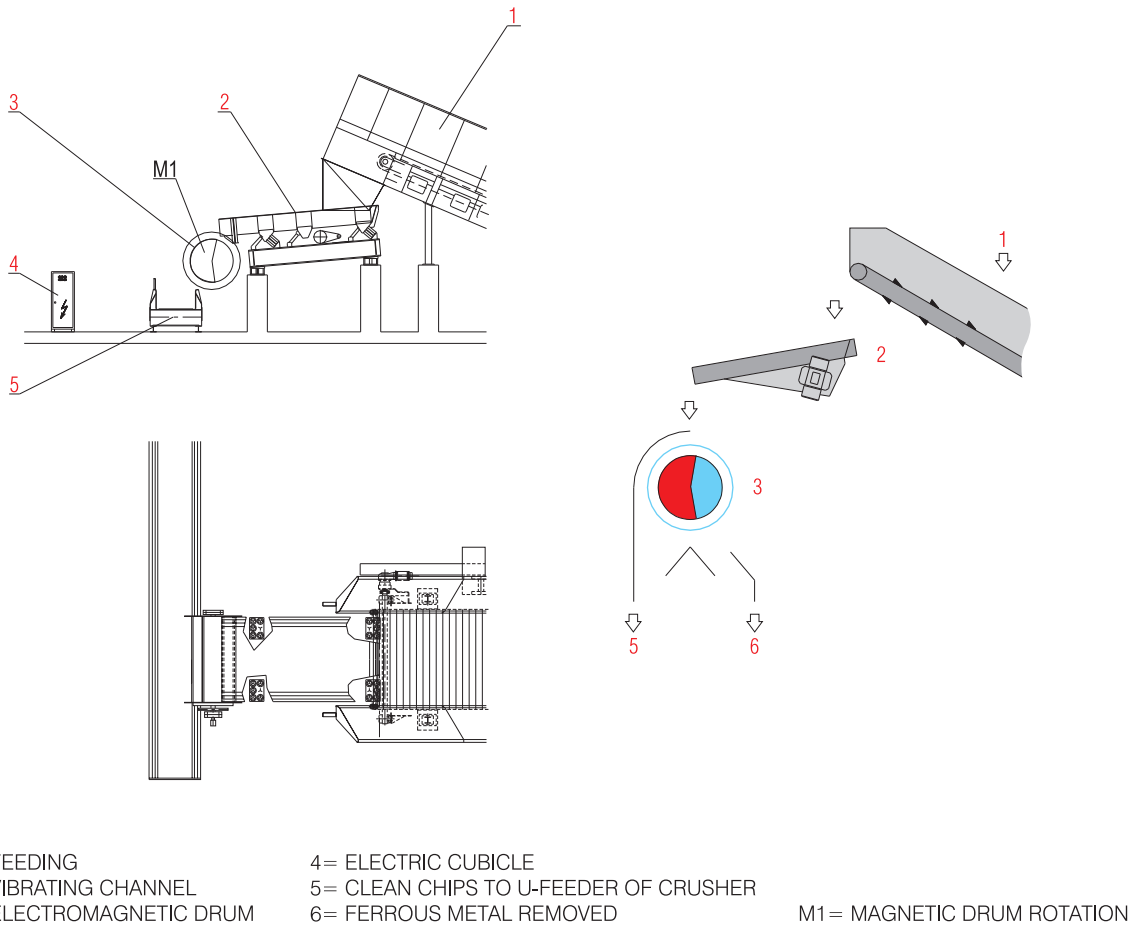
FOR BULKY OR PRE-CRUSHED RECYCLED WOOD

TECHNICAL FEATURES

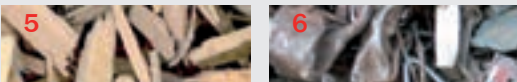
/ Front shaft fitted with direct transmission / System for special applications / Big and extra-strong electromagnetic drum fitted with bearings and supports / Drive system.

BENEFITS

/ Very high efficiency and reliability / Strong removal of ferrous pollutants (also huge pcs) from bulky or pre-crushed recycling wood, e.g. before pre-crusher, crusher or drum chipper / Simple installation / Low maintenance.



Not binding data. We reserve the right of modification at any time without prior notice.



03.07.A

MD.EL
 FOR BULKY OR PRE-CRUSHED RECYCLED WOOD

MODEL	CAPACITY BULKY STUFF m ³ /h	ELECTROMAGNETIC DRUM mm		INSTALLED POWER kW	ELECTRIC CUBICLE kW	WEIGHT APPROX. KG
		DIAM.	WIDTH	M1		
MD.1500x2500.MRD-EL	440	1500	2500	9,2	20	17000
MD.1500x3000.MRD-EL	530	1500	3000	9,2	20	19800



FERROUS METALS REMOVERS

03.07.B

NEODYMIUM CAGES

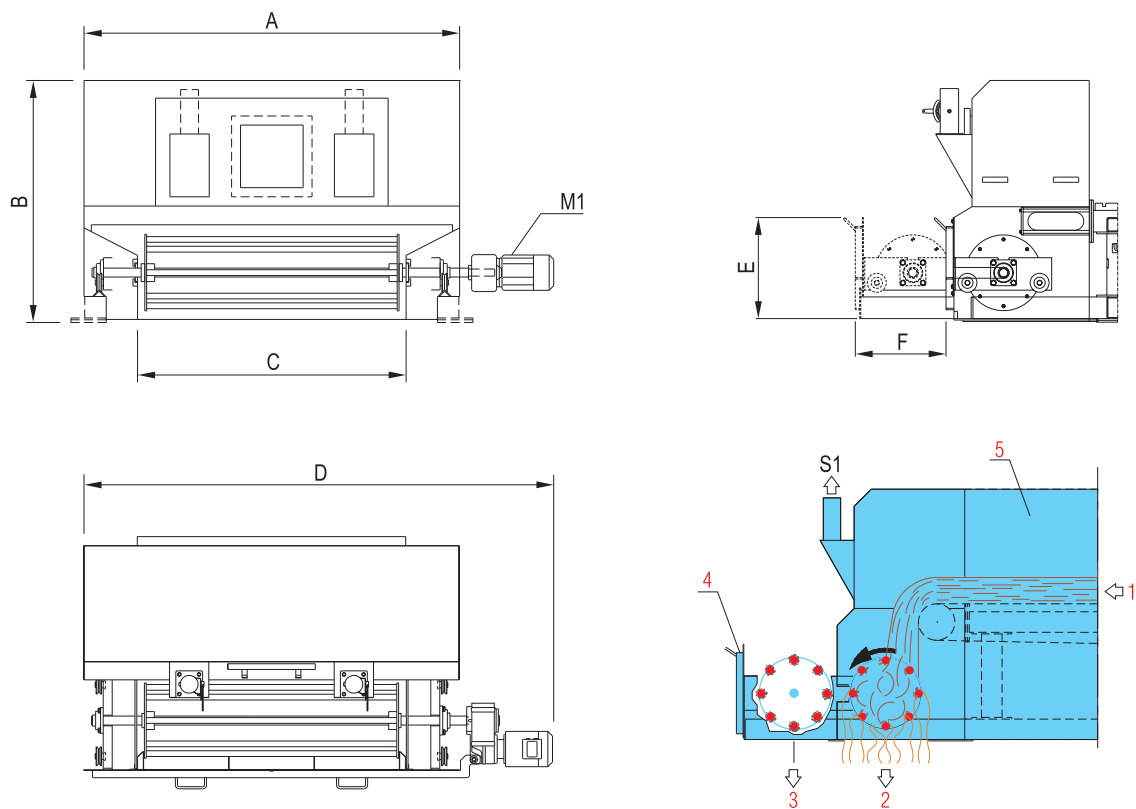
FOR CHIPS, SAWDUST, DUST AND PARTICLES

TECHNICAL FEATURES

/ Rotating cage with neodymium bars / Drive system / Unit can be fitted in the discharge mouths of metering bins or belt scales, e.g. in wet or sticky areas.

BENEFITS

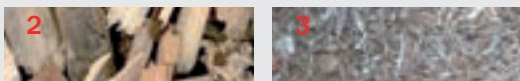
/ Very efficient removal of residual ferrous pollutants and ferrous dust from wet or dry particles, dust, etc. / High protection of steel belts of the continuous presses / Very high efficiency & reliability / Low maintenance.



1 = FLOW DIRECTION OF POLLUTED MATERIAL
 2 = CLEANED MATERIAL
 3 = FERROUS METAL REMOVED

4 = UNIT MOUNTED IN AN OPENING DRAWER
 5 = BELT SCALE OR DOSING BIN
 M1 = NEODYMIUM STAND DRIVE

Not binding data. We reserve the right of modification at any time without prior notice.



03.07.B

NEODY

FOR CHIPS, SAWDUST, DUST AND PARTICLES

OVERALL DIMENSIONS mm

MODEL	A	B	C	D	E	F
NEODY.1200	1698	1350	1100	2225	560	500
NEODY.1600	2098	1350	1400	2625	560	500

MODEL	CAPACITY* m ³ /h	INSTALLED POWER kW M1	SUCTION S1			WEIGHT APPROX. KG
			SUCTION m ³ /h	AIR SPEED m/s	SUCTION PRESSURE Pa	
NEODY.1200	120	2,2	2 x 800	29	200	500
NEODY.1600	380	2,2	2 x 800	29	200	620

*SL & CL particles



FERROUS METALS REMOVERS

03.07.D

DEFERRIZING GROUPS

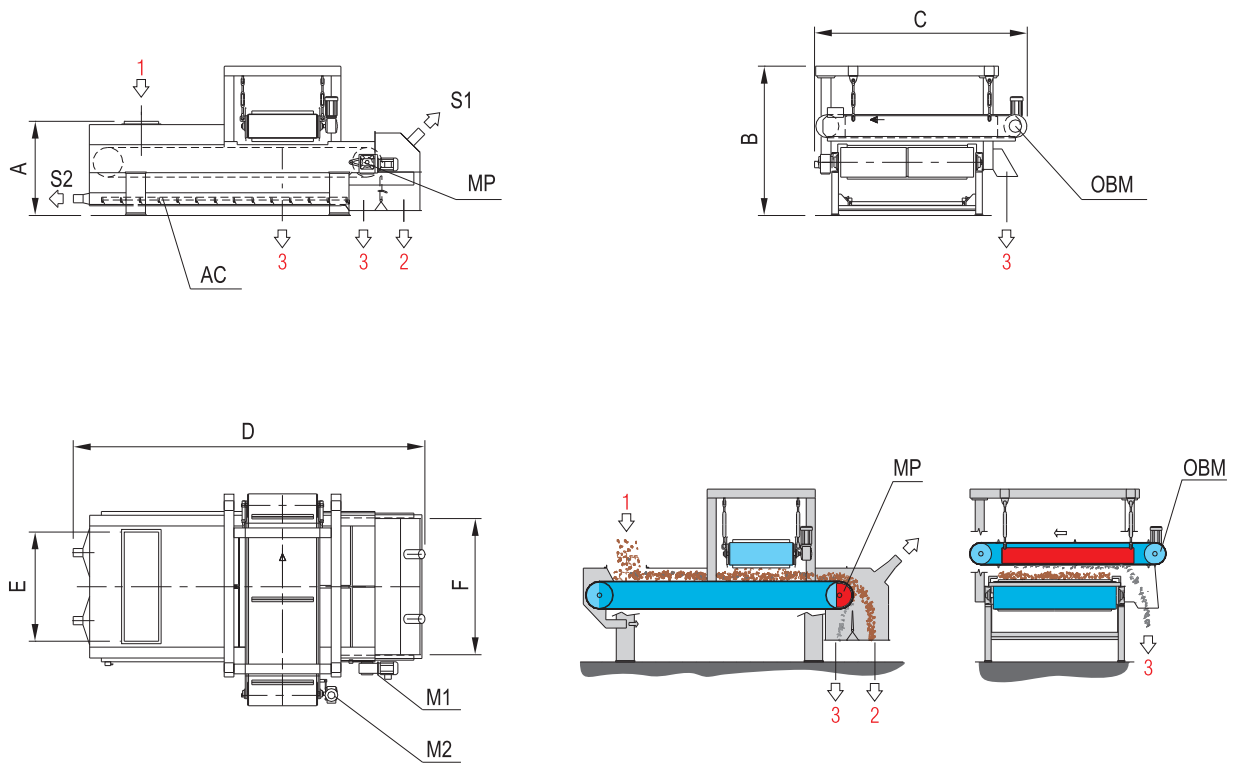
FOR CHIPS, SAWDUST AND PARTICLES

TECHNICAL FEATURES

/ Feeding-spreading unit (Option) / Belt conveyor provided of front magnetic pulley / Overbelt magnet / Self-cleaning system for bottom / Drive systems / Assembled unit complete of containment box.

BENEFITS

/ Unbeatable efficiency and reliability / Excellent combined removal of ferrous pollutants (and chips containing them) from the bottom and top of the thinly-spread layer of material / Simple installation / Low maintenance.

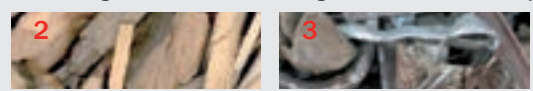


1= POLLUTED MATERIAL
 2= CLEANED MATERIAL
 3= FERROUS METAL REMOVED

MP= MAGNETIC PULLEY
 OBM= OVERBELT MAGNET
 AC= AUTO CLEANING SYSTEM FOR BOTTOM (OPTION)

M1= HORIZONTAL BELT WITH MAGNETIC PULLEY
 M2= OVERBELT MAGNET

Not binding data. We reserve the right of modification at any time without prior notice.



03.07.D

DEF

FOR CHIPS, SAWDUST AND PARTICLES

OVERALL DIMENSIONS mm

MODEL	A	B	C	D	E	F
DEF.1000/100	1450	2590	2420	5450	900	1230
DEF.1500/150	1450	2302	2840	5450	1400	1750
DEF.1900/200	1450	2302	3290	5450	1800	2100

MODEL	CAPACITY BULK CHIPS m ³ /h	INSTALLED POWER kW		SUCTION S1 + S2			WEIGHT APPROX. KG
		M1	M2	SUCTION m ³ /h	AIR SPEED m/s	SUCTION PRESSURE Pa	
DEF.1000/100	80 - 100	2,2	2,2	3 x 1550	29	200	4750
DEF.1500/150	150 - 180	3,0	2,2	3 x 1550	29	200	6750
DEF.1900/200	200 - 230	3,0	2,2	4 x 1550	29	200	8000



FERROUS METALS REMOVERS

03.07.E

MAGNETIC TRAPS

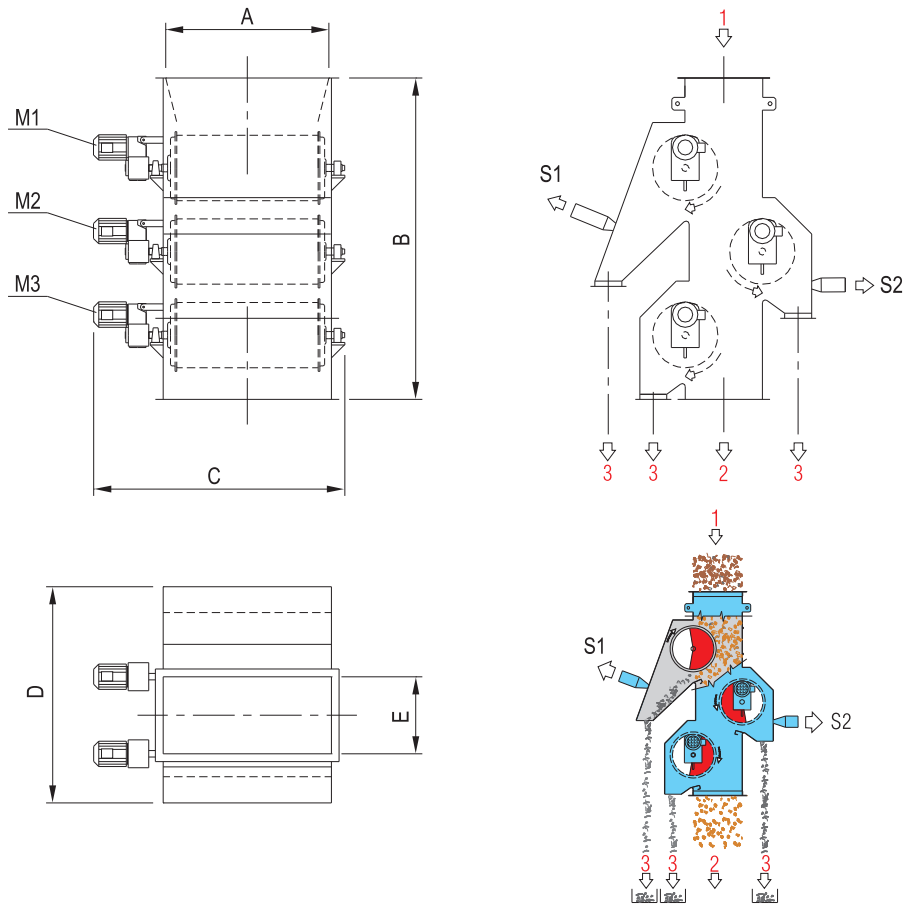
FOR CHIPS, SAWDUST AND PARTICLES

TECHNICAL FEATURES

/ Cascade of three magnetic drums / Drive systems / Assembled unit complete of containment box.

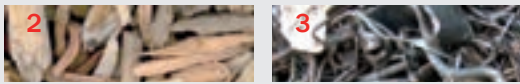
BENEFITS

/ Very high efficiency and reliability / Excellent removal of ferrous pollutants from chips, sawdust, particles, etc.
/ Simple installation / Very low maintenance.



1 = POLLUTED MATERIAL 3 = FERROUS METAL REMOVED
 2 = CLEANED MATERIAL M1-M2-M3 = MAGNETIC DRUM ROTATION

Not binding data. We reserve the right of modification at any time without prior notice.



03.07.E

MT

OVERALL DIMENSIONS mm

MODEL	A	B	C	D	E
MT.2.500/100-HG(VHG)(UHG)	1205	1960	1706	1394	618
MT.2.500/220-HG(VHG)(UHG)	2410	1960	2900	1454	600
MT.2.600/220-HG(VHG)(UHG)	2200	2005	2964	1647	600
MT.3.320/60-HG(VHG)(UHG)	776	1400	1350	1000	350
MT.3.500/85-HG(VHG)(UHG)	1060	2500	1705	1682	600
MT.3.500/110-HG(VHG)(UHG)	1310	2500	1955	1682	600
MT.3.500/130-HG(VHG)(UHG)	1510	2500	2155	1682	600
MT.3.500/160-HG(VHG)(UHG)	1810	2500	2455	1682	600

() Option

MODEL	CAPACITY BULK CHIPS m ³ /h	INSTALLED POWER kW			SUCTIONS m ³ /h		WEIGHT APPROX. KG
		M1	M2	M3	S1	S2	
MT.2.500/100-HG(VHG)(UHG)	125	1,5	1,5	-	2 x 710	2 x 710	1760
MT.2.500/220-HG(VHG)(UHG)	270	1,5	1,5	-	2 x 710	2 x 710	3160
MT.2.600/220-HG(VHG)(UHG)	325	1,5	1,5	-	2 x 710	2 x 710	4600
MT.3.320/60-HG(VHG)(UHG)	80 - 100	0,75	0,75	0,75	1 x 710	1 x 710	730
MT.3.500/85-HG(VHG)(UHG)	200 - 220	0,75	0,75	0,75	1 x 710	1 x 710	1900
MT.3.500/110-HG(VHG)(UHG)	250 - 300	1,50	1,50	1,50	2 x 710	2 x 710	2350
MT.3.500/130-HG(VHG)(UHG)	300 - 350	1,50	1,50	1,50	2 x 710	2 x 710	2750
MT.3.500/160-HG(VHG)(UHG)	400 - 450	1,50	1,50	1,50	2 x 710	2 x 710	3200



FERROUS METALS REMOVERS

03.07.G-H

OVERBELT MAGNETS

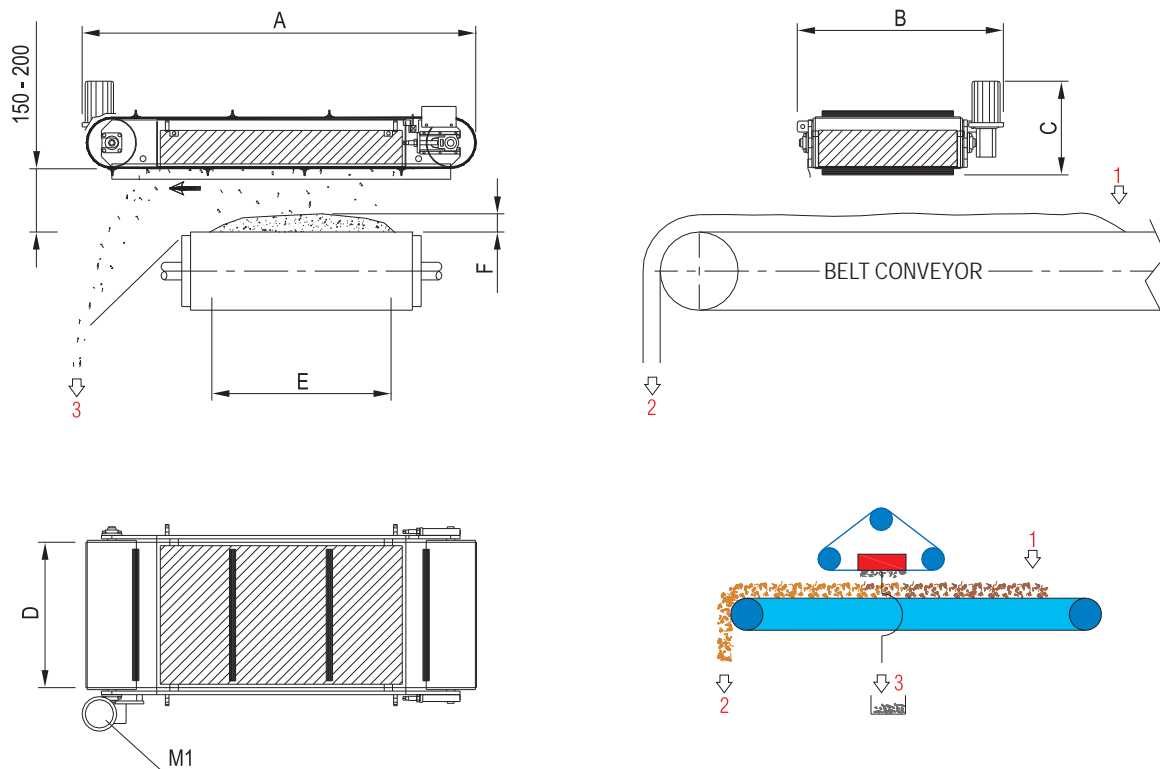
FOR CHIPS, SAWDUST AND PARTICLES

TECHNICAL FEATURES

/ Strong magnetic plate (HG) / Deferrizing overbelt / Drive system / Assembled unit complete of containment box.

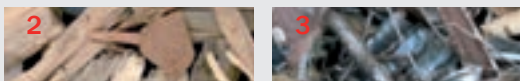
BENEFITS

/ High efficiency and reliability / Removal of ferrous pollutants from chips, sawdust and particles, e.g. during transport with belt conveyors / Simple installation / Low maintenance.



1 = POLLUTED MATERIAL 3 = FERROUS METAL REMOVED
 2 = CLEANED MATERIAL M1 = MAIN MOTOR

Not binding data. We reserve the right of modification at any time without prior notice.



03.07.G-H

OBM

FOR CHIPS, SAWDUST AND PARTICLES

OVERALL DIMENSIONS mm

MODEL	A	B	C	D
OBM.100/135-HG-VHG	2425	1490	684	1050
OBM.100/175-HG-VHG	2820	1490	682	1050
OBM.100/220-HG-VHG	3270	1490	682	1050
OBE.90/100	2374	1462	810	950
OBE.90/120	2574	1462	810	950
OBE.90/140	2774	1462	810	950
OBE.90/175	3124	1462	780	950

MODEL	CAPACITY BULK CHIPS			INSTALLED POWER kW		WEIGHT APPROX. KG
	m ³ /h	E mm	F mm	M1 MAIN MOTOR	M2 ELECTROMAGNET	
OBM.100/135-HG-VHG	Assessable according to (E), (F) and conveying speed	< 1000	50 - 80	2,2	-	2350
OBM.100/175-HG-VHG		< 1400	50 - 80	2,2	-	3000
OBM.100/220-HG-VHG		< 1900	50 - 80	2,2	-	3800
OBE.90/100		< 800	80 - 120	2,2	4,2	2870
OBE.90/120		< 1000	80 - 120	2,2	4,5	3350
OBE.90/140		< 1200	80 - 120	2,2	5	3840
OBE.90/175		< 1600	80 - 120	2,2	7,5	4810



ALL METALS REMOVERS

03.07.Q

METAL KILLER

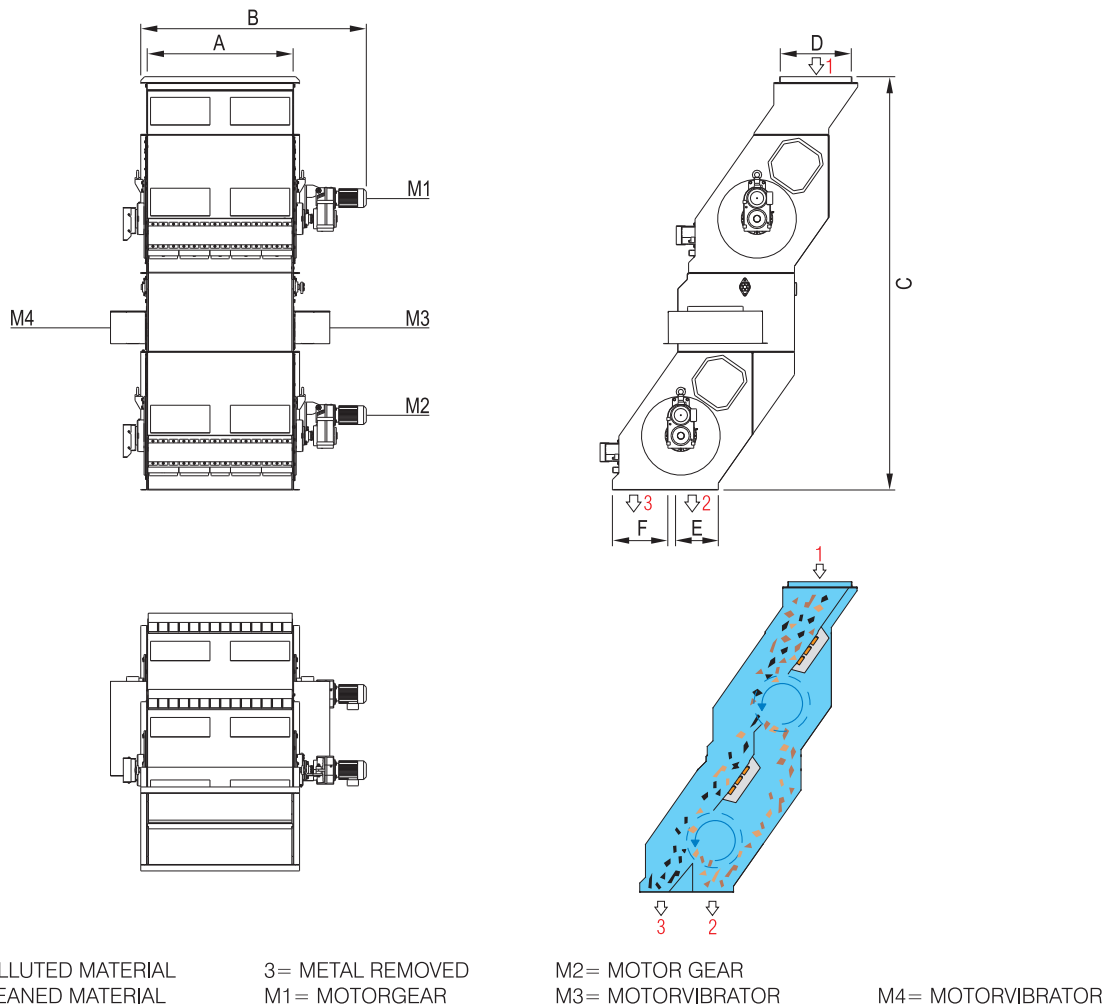
PAT. PENDING

TECHNICAL FEATURES

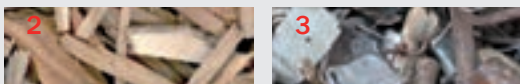
/ Feeding & spreading unit / Slide with one set of inductive sensors revealing metals / One rotor with selectable gates to throw out metals / One set of motorized gates for pollutants discharge / Assembling unit / Electrical panel including frequency converters and PLC to control gates timing.

BENEFITS

/ Removal of all kind of metals / Very High efficiency / Compact Lay-out / Very low power consumption / No service equipment needed (i.e. compressed air).



Not binding data. We reserve the right of modification at any time without prior notice.



03.07.Q

METAL KILLER

OVERALL DIMENSIONS mm

MODEL	A	B	C min.	D	E	F
SINGLE STAGE	MK.1-100	1130	1882	1520	550	344
	MK.1-150	1630	2382	1520	550	344
	MK.1-200	2130	2882	1520	550	344
DOUBLE STAGE	MK.2-100	1130	2031	3250	550	344
	MK.2-150	1630	2531	3250	550	344
	MK.2-200	2130	3031	3250	550	344

MODEL	CAPACITY BULK CHIPS m ³ /h	TOTAL INSTALLED POWER kW	WEIGHT APPROX. KG
SINGLE STAGE	MK.1-100	3,06	1000
	MK.1-150	4,04	1350
	MK.1-200	5,02	1800
DOUBLE STAGE	MK.2-100	6,36	2200
	MK.2-150	8,32	3175
	MK.2-200	10,28	4250



NON FERROUS METALS REMOVERS

03.07.U

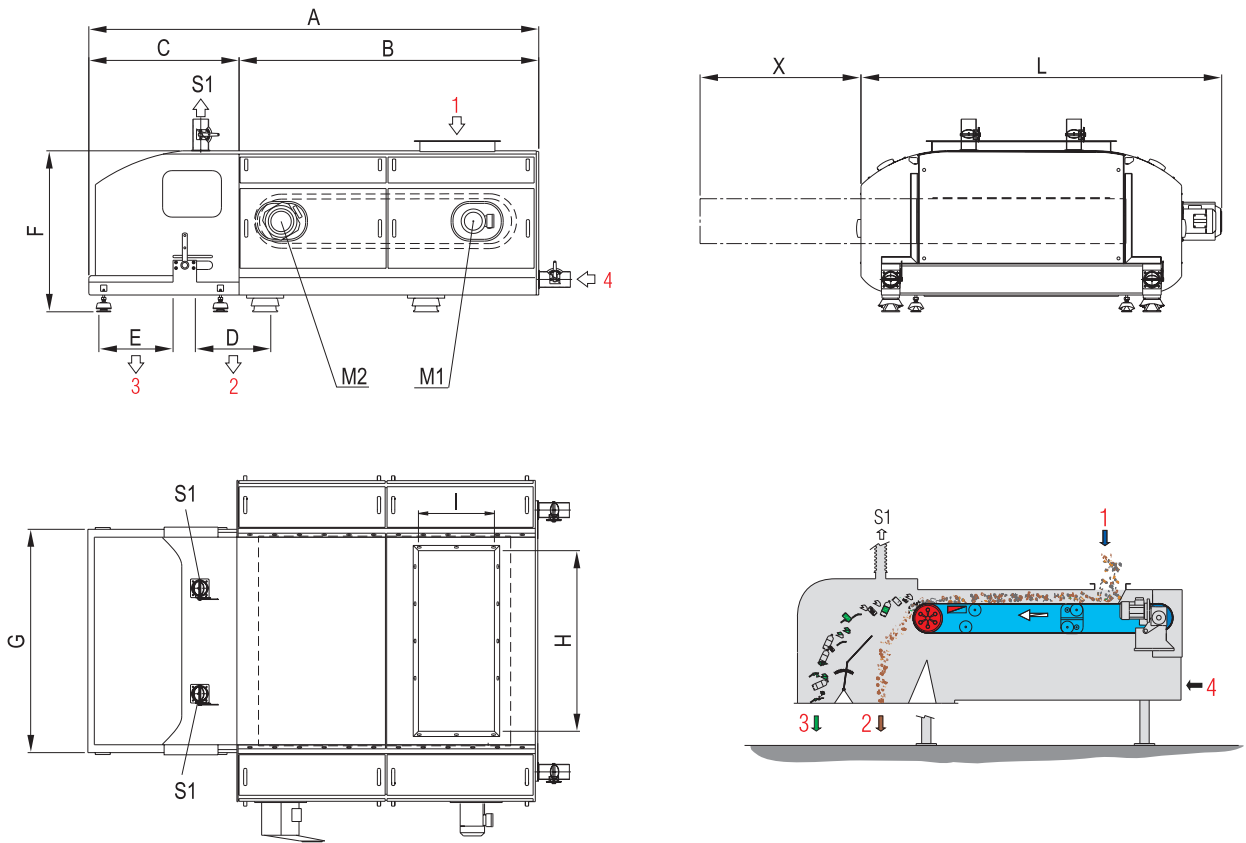
EDDY CURRENT SEPARATORS

TECHNICAL FEATURES

/ Feeding & spreading unit (Option) / Large belt conveyor fitted with ultra-strong Induction Drum / Special design for IGMV, to set final inclination of the belt / Magnetic plates & dust drawer to keep the belt clean / Drive systems for belt and induction drum / Assembled unit / Electrical cabinet including frequency converters and PLC.

BENEFITS

/ Removal of coarse non-ferrous metals from chips / Removal of small non-ferrous metals from wood fines / Great production capacity / Unbeatable efficiency and reliability / Low maintenance.

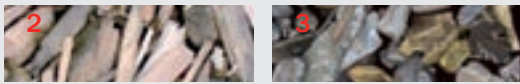


1= POLLUTED MATERIAL
2= CLEANED MATERIAL

3= NON FERROUS METAL REMOVED
4= FAN (OPTION)

M1-M2= MAIN MOTOR
S1 = SUCTION

Not binding data. We reserve the right of modification at any time without prior notice.



03.07.U

SCP

MODEL	OVERALL DIMENSIONS mm										FREE SPACES FOR EXTRACTION mm
	A	B	C	D	E	F	G	H	I	L	X
SCP.600	3555	2430	1125	453	665	1246	940	600	600	2042	700
SCP.800	3555	2430	1125	453	665	1256	1140	800	600	2242	900
SCP.1000	3555	2430	1125	453	665	1282	1340	1000	600	2418	1100
SCP.1250	3555	2430	1125	453	665	1256	1590	1250	600	2691	1350
SCP.1500	3555	2430	1125	453	665	1284	1840	1500	600	2926	1600
SCP.1750	3555	2430	1125	453	665	1256	2090	1750	600	3192	1850
SCP.2000	3555	2430	1125	453	665	1284	2340	2000	600	3425	2100

MODEL	CAPACITY m ³ /h	INSTALLED POWER kW		ELECTRIC CUBICLE				SUCTION S1			WEIGHT APPROX. KG
		M1	M2					SUCTION m ³ /h	AIR SPEED m/s	SUCTION PRESSURE Pa	
SCP.600	40	1,1	4,0	HEIGHT 2100 mm	WIDTH 900 mm	DEPTH 500 mm	WEIGHT 150 kg	1 x 1150	29	200	1000
SCP.800	60	1,1	4,0					1 x 1150	29	200	1500
SCP.1000	80	1,5	5,5					2 x 1150	29	200	2000
SCP.1250	100	1,5	5,5					2 x 1150	29	200	2500
SCP.1500	130	2,2	7,5					2 x 1150	29	200	3100
SCP.1750	150	2,2	9,0					2 x 1150	29	200	3500
SCP.2000	180	2,2	11,0					2 x 1150	29	200	4100