WEIGHING AND METERING BIN

BCD

HIGH PRECISION METERING AND WEIGHING SYSTEMS

The BCD metering bins have been specifically designed to meter low to medium flows of light and dusty material, enabling a perfect flow adjustment even in cases of irregular material feed.

MAIN FEATURES

• Sturdy, vibration free construction • Comb roll bin feeding system to form an even mat • Weighing bridge (unbeatable high precision system) to optimise the ratio between the actual weight (material) and the tare (belt) • Encoder to measure weigh belt speed • Anti-static, high performance, zig-zag jointed weigh belt • Large diameter drive drum to minimize belt tension • Incorporated self-tensioning/self-centering weigh belt system • High tech microprocessor for flow rate control • Filling level signal • Sprinkler nozzles for fire-extinguishing system.

ADVANTAGES

• Extremely versatile and suitable for various materials • Including wet or dry chips, particles, dust, etc. • Weighing system not affected by tare • Extremely simple to calibrate • Ferrous metal removal system on request • High precision and repeatability • Simple and easy to maintain.

BEST IN CLASS FOR:

WOOD BASED PANELS:
PB/SPB

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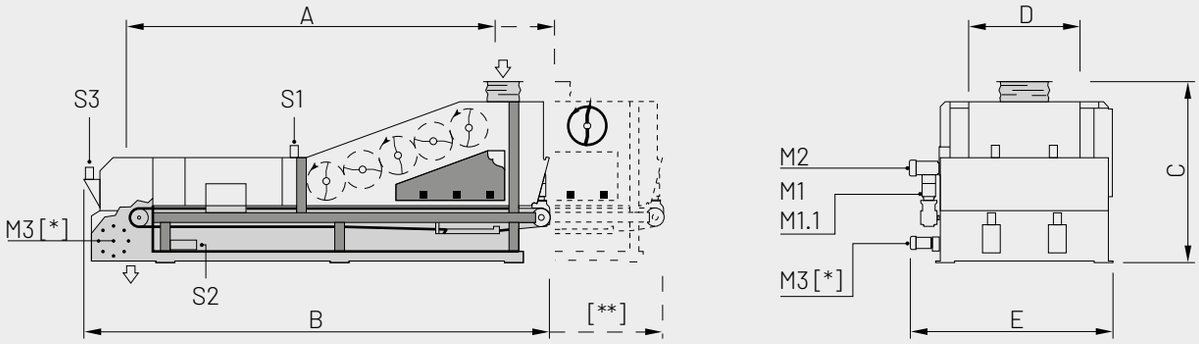
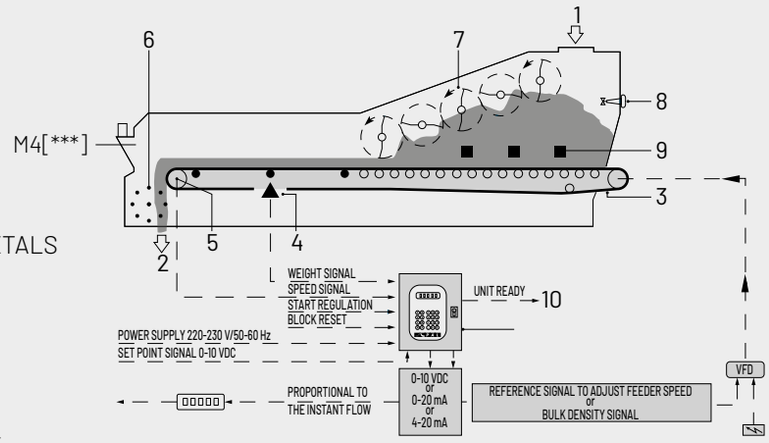


[*] Option
[**] BCD 21/30
[***] For HP gluing system

1 = FEEDING
2 = DISCHARGE
3 = WEIGHING BELT
4 = LOAD CELL
5 = ENCODER
6 = NEODYMIUM (OPTION)
UNIT TO REMOVE FERROUS METALS
7 = LEVELLING COMBS
8 = EMERGENZY LEVEL
9 = OPERATING LEVELS
10 = MICROPROCESSOR
M1 = DOSING BELT DRIVE
M1.1 = FAN FOR COOLING
M2 = LEVELLING COMBS DRIVE
M3 = NEODYMIUM STAND DRIVE
M4 = FLUIDIZER MILL DRIVE
S1-S2-S3 = SUCTION



MODEL	OVERALL DIMENSIONS mm					INSTALLED POWER kW				
	A	B	C	D	E	M1	M1.1	M2	M3*	M4 - FLM***
BCD 4	3240	4270	1810	750	1745	0,37 ÷ 1,1	0,078	1,5	2,2	-
BCD 12	4688	5800	2250	900	2125	0,37 ÷ 1,5	0,078	2,2	2,2	2,2
BCD 21	5344	8022	2400	1300	2600	0,37 ÷ 1,5	0,078	4,0	2,2	3,0
BCD 30	5785	8886	2600	1500	2800	0,37 ÷ 2,2	0,078	7,5	2,2	3,0

MODEL	BULK MATERIAL		BIN VOLUME m^3	SUCTION								APPROX. WEIGHT kg
	TOP m^3/h	RANGE kg/h in according bulk-density		WET MATERIAL THROUGHPUT m^3/h			DRY MATERIAL THROUGHPUT m^3/h			AIR SPEED m/s	SUCTION PRESSURE Pa	
				S1	S2	S3	S1	S2	S3			
BCD 4	40	500/3500	0,9	2 x 800	1 x 1150	2 x 800	2 x 710	1 x 1020	2 x 710	29	200	1960
BCD 12	120	600/12000	1,7	2 x 800	1 x 1150	2 x 800	2 x 710	1 x 1020	2 x 710	29	200	3260
BCD 21	210	1000/21000	4,2	2 x 800	1 x 1150	2 x 800	2 x 710	1 x 1020	2 x 710	29	200	6000
BCD 30	300	5000/30000	6,0	2x 800	2 x 1150	2 x 800	2 x 710	2 x 1020	2 x 710	29	200	7000

OPTIONS

• NEODYMIUM UNIT: Motorized roll to remove ferrous metals • U: Sprinkler nozzles for fire extinguishing system
• C: Calibrated chain for calibration and verification • P: electrical pre-wiring in a box on board the machine • ATEX: equipment meets EC directive 94/9/CE/ATEX 95 and is suitable for installation in Zone 22 (on the basis of Directive 99/92/CE ATEX 137), and that is, intended for use in potentially explosive atmospheres due to the presence of dust.