



• PB • OSB



METERING BIN

BBT - BBT60

FOR STORAGE AND HIGHLY ACCURATE MATERIAL METERING AND WEIGHING

The machine consists of a conveyor belt and a metal particle storage bin which is constructed around the belt itself. The particle infeed is located on the top of the bin along with a set of screws which have the task of distributing the product inside the machine. A set of doffing rolls are installed at the outlet to provide a constant and well blended discharge of the particle so that the subsequent weighing operation and feed to the next machine is made as efficient as possible. It is possible to vary the quantity of particle metered at the machine outlet by changing the speed at which the conveyor belt moves, by a frequency converter.

The filling percentage is measured by a set of capacitive level controls or optionally, by weighing the whole bunker by means of weight transducers.

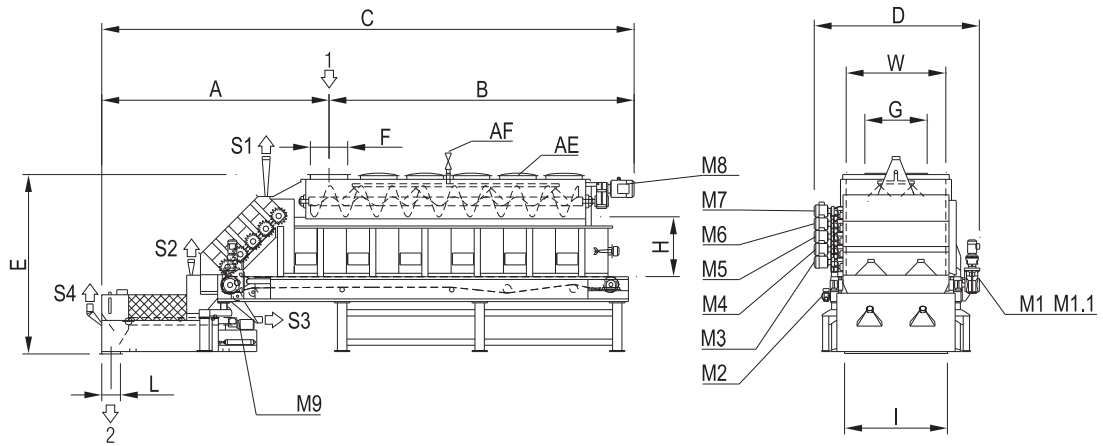
A belt scale is located at the outlet, to determine the immediate throughput of the particle being conveyed.

An IMAL electronic signal amplifier processes the signal given by the weighing system to supply a 4÷20 mA or 0÷10 V outgoing signal which is proportional to the instantaneous throughput.

Its convenient modular composition makes it extremely versatile and adaptable to a range of production capacities.

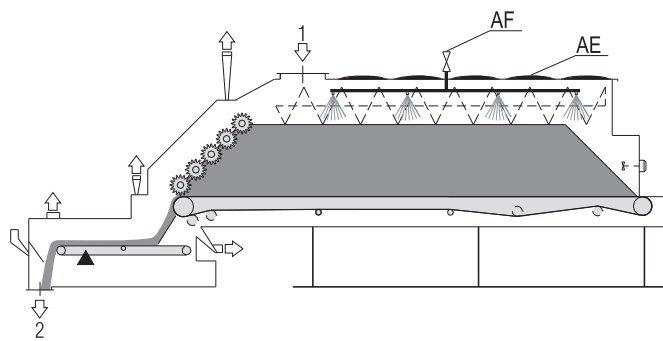
MAIN FEATURES

- Very strong construction
- Use of dust-proof bearings located at a suitable distance from the walls of the machine.
- Particles discharged using rotating comb shafts to optimise and fluidise particle flow
- Brush for cleaning conveyor belt
- Large diameter drive rollers to reduce belt tension
- Automatic belt tracking system
- Electronic weight transducers for high precision weighing system
- Accuracy guaranteed over the entire throughput range (does not depend on the full scale as in traditional systems)
- Bin fill level measured by a set of capacitive levels or as an option, by weighing the whole bin
- A set of screws is used to distribute the chips inside.



- 1= FEEDING
- 2= DISCHARGE
- S1-S2-S3-S4= SUCTION
- M1= FEEDING BELT ROTATION
- M2= CLEANING DEVICE DRIVE
- M3-M4-M5-M6-M7= FRONT MILL ROTATION
- M8= LEVELLING SCREW ROTATION
- M9= DOSING BELT DRIVE

FOR DRY MATERIAL:
 AF= FIRE-EXTINGUISHING SYSTEM
 AE= EXPLOSION VENTS



MODEL	OVERALL DIMENSIONS mm									WORKING SECTION mm	
	A	B	C	D	E	F	G	I	L	H	W
BBT 24	3850	4810	8660	2300	2840	600	750	1250	300	1000	1200
BBT 36	3850	4810	8660	2700	2840	600	1150	1650	300	1000	1600
BBT 60-10	4750	3005	7755	3200	3750	600	1550	1650	300	1500	2000
BBT 60-15	4750	4505	9255	3200	3750	600	1550	1650	300	1500	2000
BBT 60-20	4750	6005	10755	3200	3750	600	1550	1650	300	1500	2000
BBT 60-30	4750	8755	13505	3200	3750	600	1550	1650	300	1500	2000

MODEL	BULK MATERIAL CAPACITY			BIN VOLUME m ³	INSTALLED POWER kW					
	m ³ /h	t/h	RATIO		M1*	M1.1	M2	M3...M7	M8	M9
BBT 24	240	According to bulk density	1:6	6	0.37±1.1	0.078	0.37	5 x 1.1	2 x 2.20	0.55±1.1
BBT 36	360			8	0.37±1.1	0.078	0.37	5 x 1.1	2 x 2.20	0.55±1.1
BBT 60-10	600			10	1.5	-	0.37	5 x 1.5	4 x 2.2	0.55±1.1
BBT 60-15	600			15	1.5	-	0.37	5 x 1.5	4 x 3.0	0.55±1.1
BBT 60-20	600			20	1.5	-	0.37	5 x 1.5	4 x 3.0	0.55±1.1
BBT 60-30	600			30	1.5	-	0.37	5 x 1.5	4 x 5.5	0.55±1.1

*For SL - CL

MODEL	COM- PRESSED AIR Nm ³ /h	AF** H ₂ O - 6 bar		SUCTION								APPROX. WEIGHT kg			
				WET MATERIAL THROUGHPUT m ³ /h				DRY MATERIAL THROUGHPUT m ³ /h						AIR SPEED m/s	SUCTION PRESSURE Pa
		DN	l/min	S1	S2	S3	S4	S1	S2	S3	S4	BIN	SCALE		
BBT 24	0,05	50 G 2"	560	1 x 1780	2 x 800	1 x 800	2 x 800	1 x 1600	2 x 710	1 x 710	2 x 710	29	200	6500	900
BBT 36		50 G 2"	560	1 x 1780	2 x 800	1 x 800	2 x 800	1 x 1600	2 x 710	1 x 710	2 x 710	29	200	8000	1200
BBT 60-10		65 G 2" 1/2	560	2 x 1780	2 x 800	1 x 1780	2 x 800	2 x 1600	2 x 710	1 x 1600	2 x 710	29	200	9000	1200
BBT 60-15		65 G 2" 1/2	700	2 x 1780	2 x 800	1 x 1780	2 x 800	2 x 1600	2 x 710	1 x 1600	2 x 710	29	200	10500	1200
BBT 60-20		65 G 2" 1/2	700	2 x 1780	2 x 800	1 x 1780	2 x 800	2 x 1600	2 x 710	1 x 1600	2 x 710	29	200	12000	1200
BBT 60-30		65 G 2" 1/2	980	2 x 1780	2 x 800	1 x 1780	2 x 800	2 x 1600	2 x 710	1 x 1600	2 x 710	29	200	16000	1200

**AF = Fire-extinguishing system (Option for dry materials)