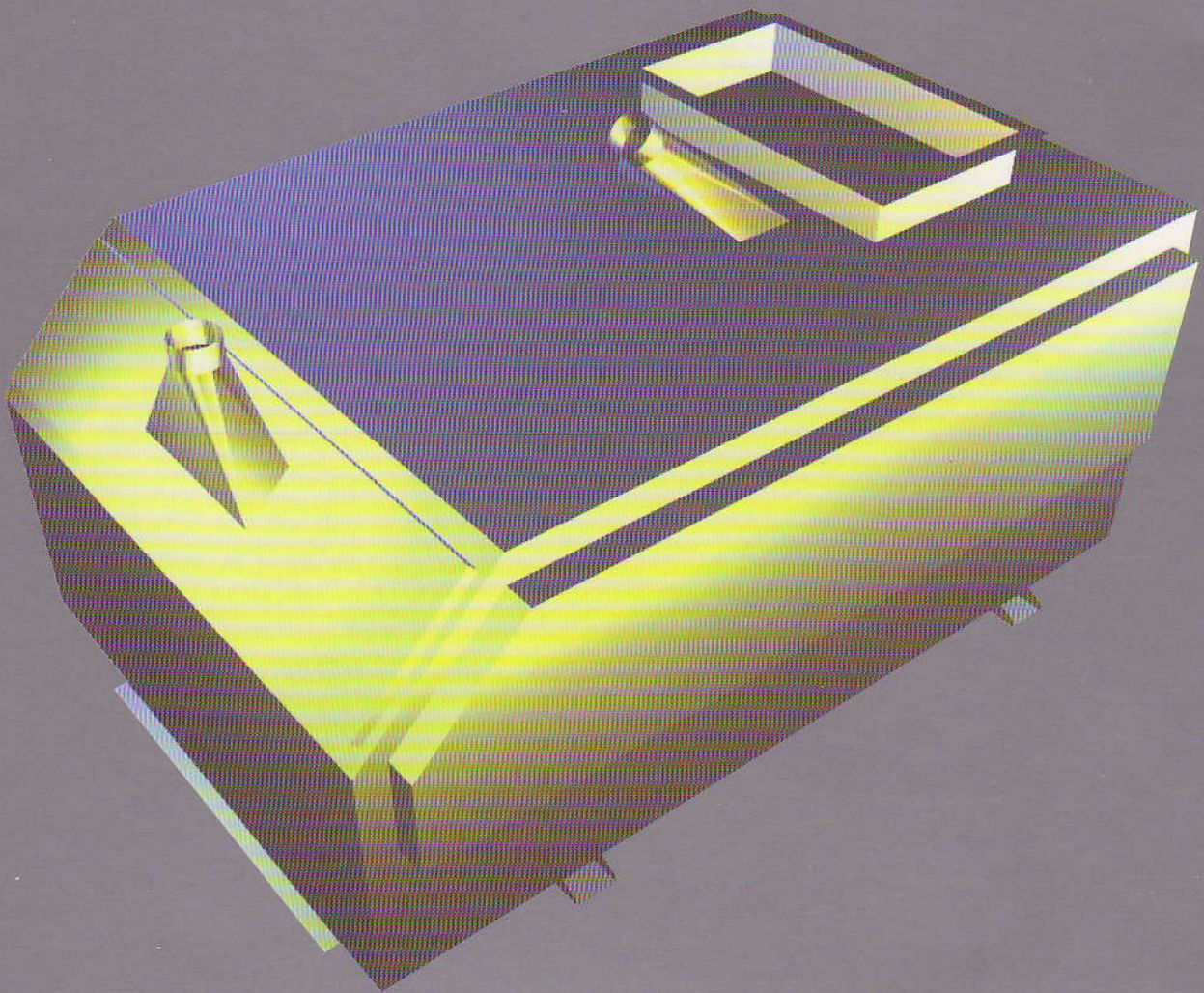


BELT SCALES

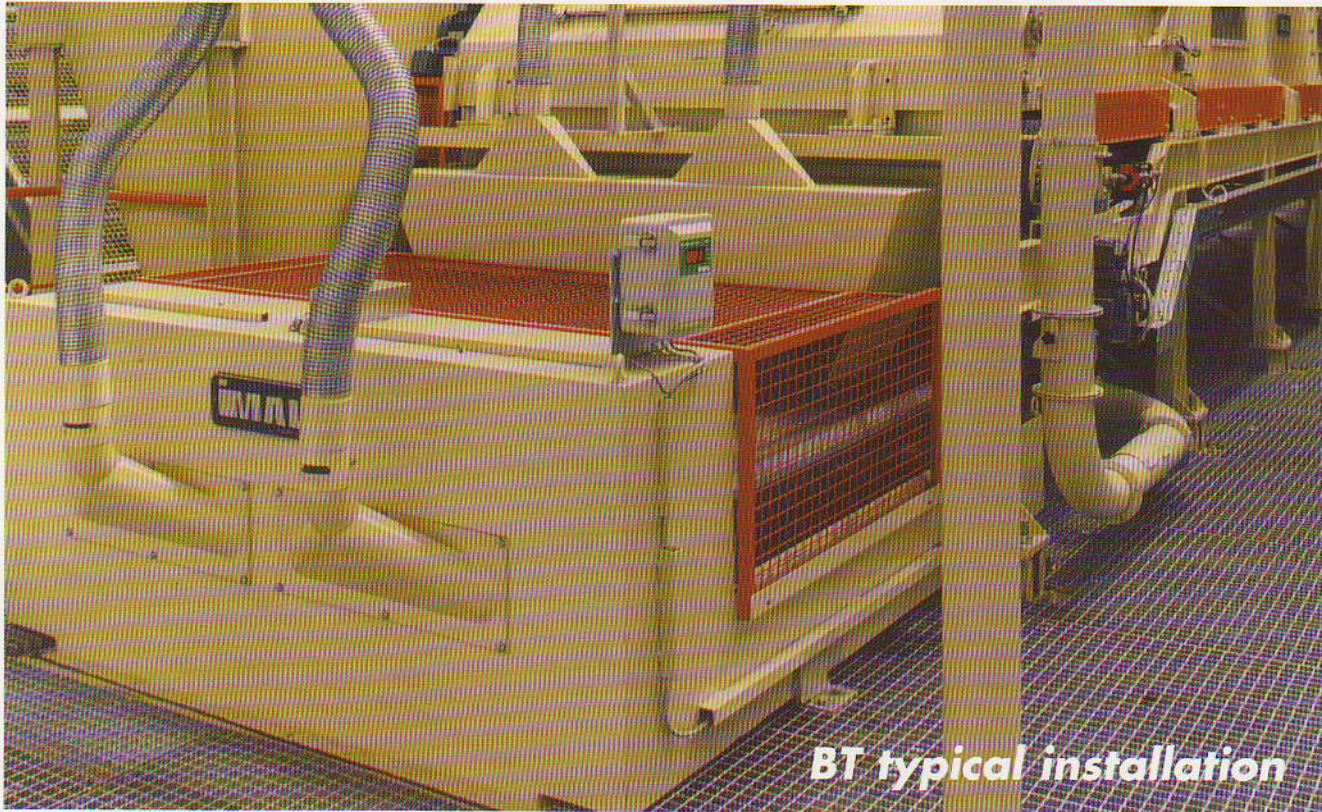
Continuous belt weighing systems with digital control



IMVAL

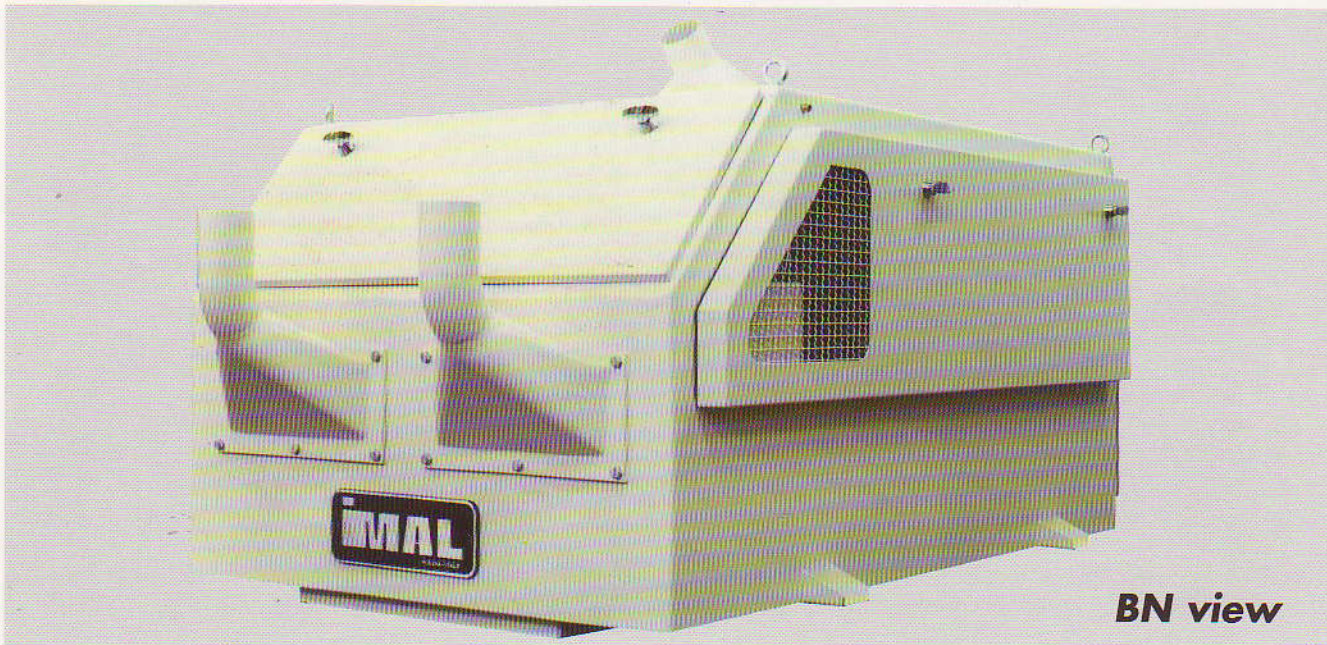
BT and BN scales

- The small size of the BT and BN models allows for installation in any plant.
- The BN model is suitable for installation as a single machine or after traditional dosing systems (dosing screws, dosing bins). The BT model is suitable for installation after highly precise BS model dosing bins.
- Both models are particularly suited for all plants where continuous material weighing is required to assist in ongoing adjustments and controls.



Working principals

The Material is conveyed on a belt connected to an electronic weight transducer. The signal is converted by an electronic amplifier that displays the weight instantly in Kgs or Lbs/min.



Technical descriptions

The continuous belt scale consists of:

- A strong metal frame provided with two dust extraction ports.
- A weigh belt made of anti-static material managed by a mechanical auto centering system.
- A pneumatically activated mechanical cleaning system to ensure the bottom is always clean, virtually eliminating any maintenance.
- An electronic autotare system.
- A load cells amplifier (AT877 type) developed especially for industrial weighing systems located in very adverse working conditions.

Working in such adverse environments is made possible because all electronic components of the AT877 are contained in a very strong metal case which is completely sealed.

The AT877 suited for use with load cells which work in a directly proportional way, increasing weight increases output signal.

The AT877, located on the side of the scale, displays the following:

- % Flow of the scale chosen value
- Capacity of Kgs or Lbs/min (real, present)

The AT877 is an ideal interface between load cells installed on the plant and registering instruments, process calculation and control device.

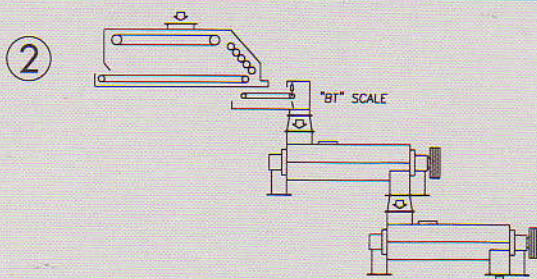
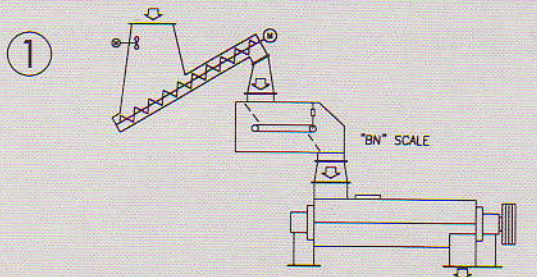
Technical data:

- Load cell accuracy:	0,05 %
- Linearity:	0,2 %
- System accuracy	0,5 %
- Output signal	0-5 V
	0-10 V
	0-20 mA
	4-20 mA
- Case structure protection	IP65

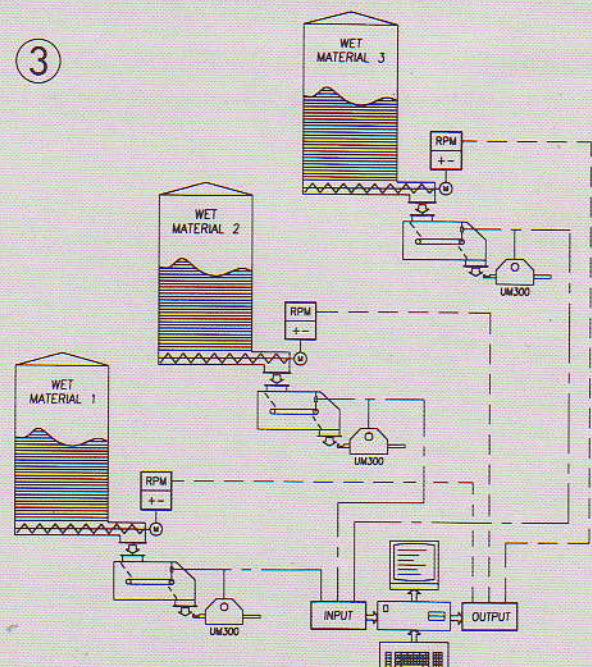
Digital Load Cells Amplifier



Application examples



③

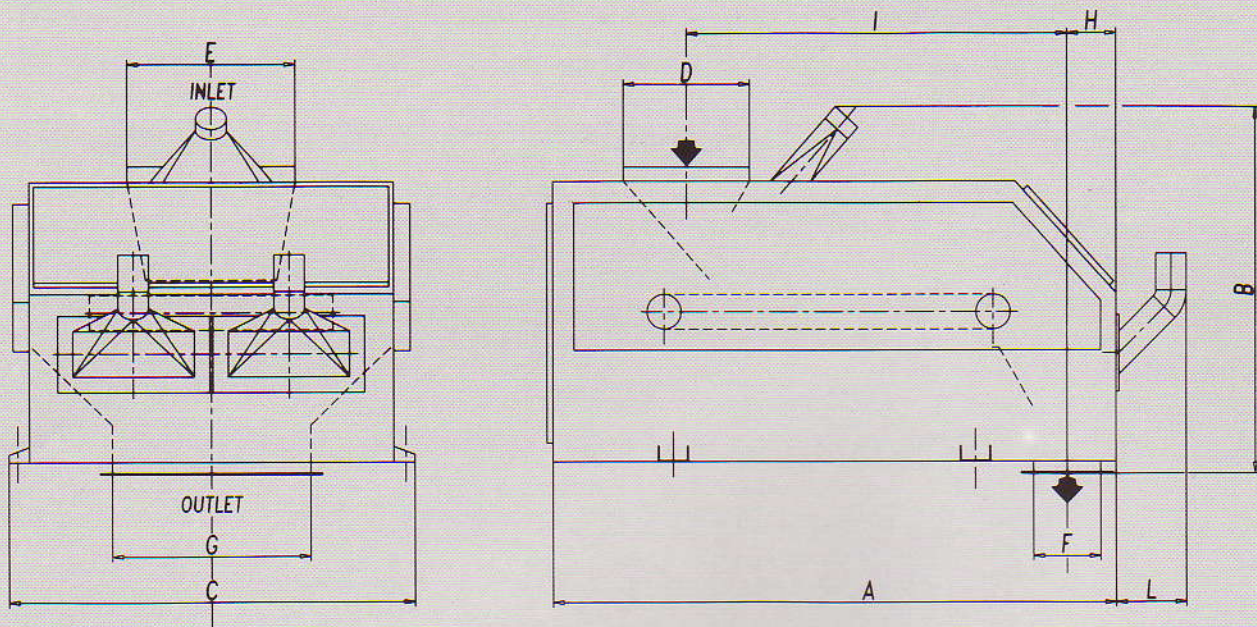


1-2) The dry particle is weighed before glueing.

3) The green material is weighed before entering the dryer in order to keep a constant wood/moisture mixture.

UM300 is a microprocessor continuous moisture meter produced by Imal

BN series technical data

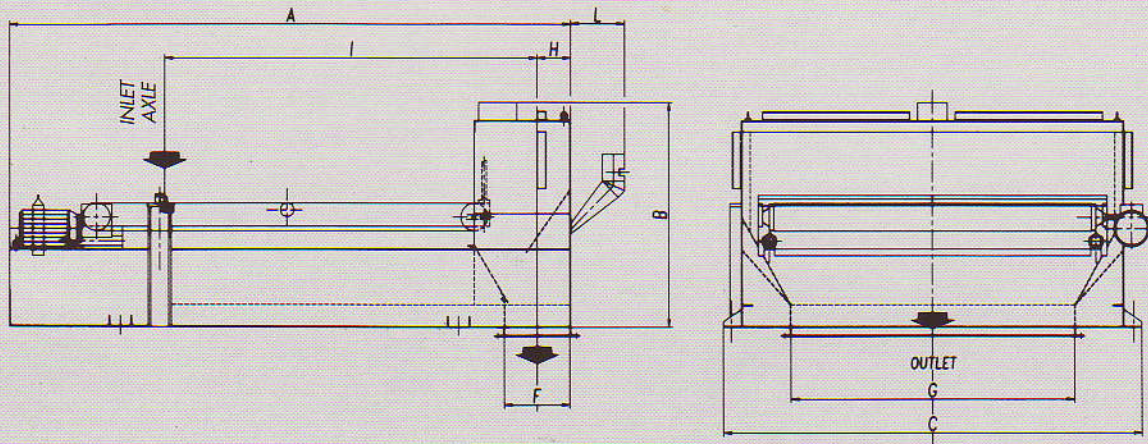


Volumetric apparent weight of the material 100 Kg/m³ (6.243 lb/cu.ft.)

MODEL	CAPACITY Kg/h (lb/h) atro	MOTOR Kw (Hp)	WEIGHT Kg (Lb)	DIMENSIONS - mm (feet-inches)									
				A	B	C	D	E	F	G	H	I	L
BN 4	10 ÷ 4000 (22 ÷ 8820)	0,45 (0,6)	280 (620)	1580 (5' - 2")	1190 (3' - 10")	1140 (3' - 8")	420 (1' - 4")	350 (1' - 1")	220 (0' - 8")	450 (1' - 5")	160 (0' - 6")	955 (3' - 1")	250 (0' - 9")
BN 8	2000 ÷ 8000 (4410 ÷ 17640)	0,45 (0,6)	480 (1058)	1880 (6' - 2")	1190 (3' - 10")	1340 (4' - 4")	420 (1' - 4")	550 (1' - 9")	220 (0' - 8")	650 (2' - 1")	160 (0' - 6")	1255 (4' - 1")	250 (0' - 9")
BN 16	8000 ÷ 16000 (17640 ÷ 35280)	0,45 (0,6)	650 (1430)	2180 (7' - 1")	1190 (3' - 10")	1540 (5' - 0")	420 (1' - 4")	750 (2' - 5")	220 (0' - 8")	850 (2' - 9")	160 (0' - 6")	1555 (5' - 1")	250 (0' - 9")
BN 24	16000 ÷ 24000 (35280 ÷ 52920)	0,45 (0,6)	900 (1985)	2480 (8' - 1")	1190 (3' - 10")	1740 (5' - 8")	420 (1' - 4")	950 (3' - 1")	220 (0' - 8")	1050 (3' - 5")	160 (0' - 6")	1855 (6' - 1")	250 (0' - 9")
BN 36	24000 ÷ 36000 (52920 ÷ 79380)	0,75 (1)	1100 (2430)	2780 (9' - 1")	1190 (3' - 10")	1940 (6' - 4")	420 (1' - 4")	1050 (3' - 5")	220 (0' - 8")	1250 (4' - 1")	160 (0' - 6")	2155 (7' - 0")	250 (0' - 9")

Note: American dimensions () are approximated to inch

BT series technical data



MODEL	CAPACITY Kg/h (lb/h) atro	MOTOR Kw (Hp)	WEIGHT Kg (Lb)	DIMENSIONS - mm (feet-inches)							
				A	B	C	F	G	H	I	L
BT 8	2000 ÷ 8000 (4410 ÷ 17640)	0,45 (0,6)	600 (1323)	1890 (6' - 2")	990 (3' - 2")	1260 (4' - 1")	300 (0' - 11")	656 (2' - 1")	150 (0' - 5")	1295 (4' - 2")	250 (0' - 9")
BT 16	8000 ÷ 16000 (17640 ÷ 35280)	0,45 (0,6)	700 (1544)	2490 (8' - 2")	990 (3' - 2")	1360 (4' - 5")	300 (0' - 11")	756 (2' - 5")	150 (0' - 5")	1800 (5' - 10")	250 (0' - 9")
BT 24	16000 ÷ 24000 (35280 ÷ 52920)	0,45 (0,6)	2490 (1985)	2490 (8' - 2")	990 (3' - 2")	1860 (6' - 1")	300 (0' - 11")	1256 (4' - 1")	150 (0' - 5")	1800 (5' - 10")	250 (0' - 9")
BT 36	24000 ÷ 36000 (52920 ÷ 79380)	0,75 (1)	1200 (2646)	2490 (8' - 2")	990 (3' - 2")	2260 (7' - 4")	300 (0' - 11")	1656 (5' - 5")	150 (0' - 5")	1800 (5' - 10")	250 (0' - 9")

Note: American dimensions () are approximated to inch