



**CMC TEXPAN**

Machinery and Technology

# **MAT WEIGHING EQUIPMENT**

**Keep weight and density under control**





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The density of the furnish being fed to the mat formers, as well as the weight of the formed mat, are important factors and therefore must be continuously monitored.

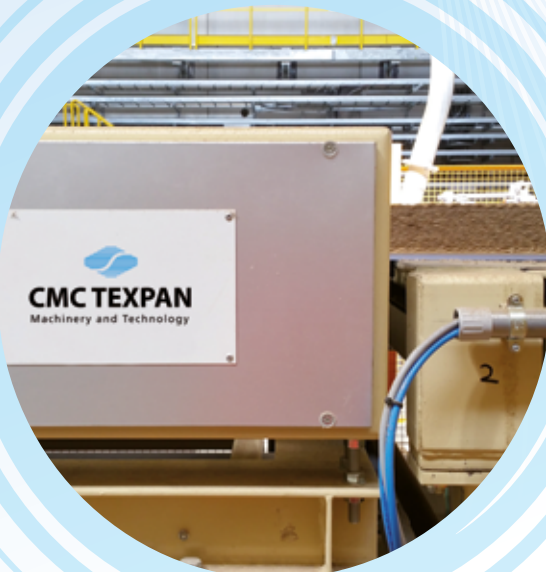
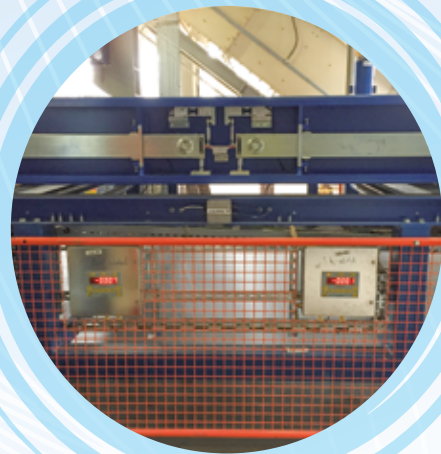
CMC TEXPAN's load cell scales can easily be fitted in new or existing production lines, to ensure panel uniformity and quality in plants producing PB, MDF or OSB panels.

They can be installed inside dosing bins to control the density of the material fed to the mat formers, or after mat formers to control the weight of the formed mat.

The core of a mat scale is its weighing table, out of aluminium and split into two halves, each connected to the relevant load cells by means of weighing levers.

Mat scales operate in "load" mode, that's to say the heavier the weight on the scale, the higher the load on the cells. The weight detected by the load cells will be displayed on a digital amplifier, screened against high and low frequency noise, which will give a mA output signal for further processing in a PLC.

All mechanical components are conveniently machined to enhance weighing accuracy.





## Advantages:

- in-line weighing before entering the press: constant quality of finished product;
- easy, quick installation and calibration, high precision and repeatability;
- output signal used to adjust speed of forming machine feeding conveyors and keep forming weight constant.

TYPE	Notes	Standard available load cells	Width approx. [mm]	Length approx. [mm]
BE ...../2000/.....	(*)	50/75/100	(***)	2.100
BE ...../1800/.....	(**)	50/75/100	(***)	1.900
BE ...../1600/.....	(**)	50/75/100	(***)	1.700
BE ...../1500/.....	(**)	50/75/100	(***)	1.600

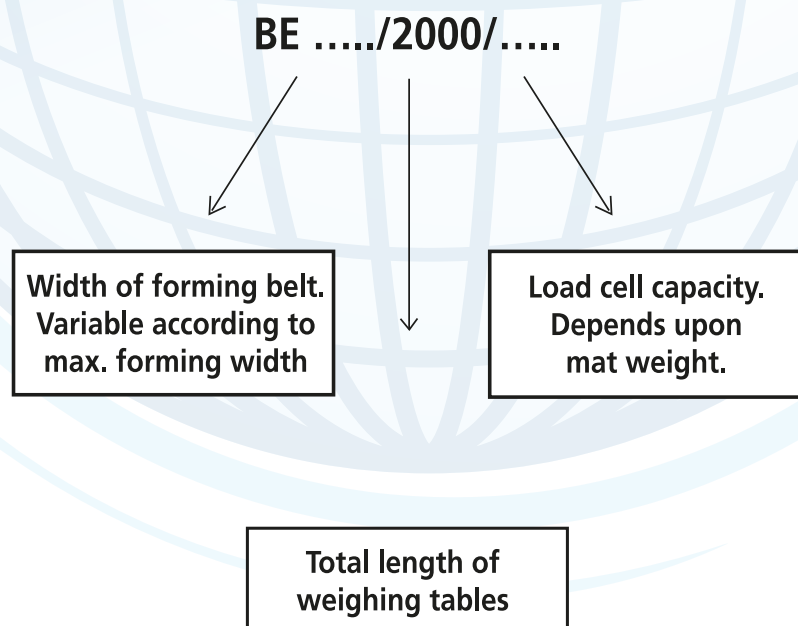
### Notes

(\*) = Standard execution

(\*\*) = Special executions depending upon available space in forming line

(\*\*\*) = Variable according to forming line belt width.

Machine code explanation:





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