

Mobile concrete batching plant and concrete mixing method

ABSTRACT

5 The invention relates to the field of concrete mixing, and provides a mobile concrete batching plant and a concrete mixing method. The mobile concrete batching plant comprises a container body in which a mixer, a cement pound cylinder, a water pound cylinder and an aggregate unit are arranged. The aggregate unit includes a motorized belt conveyor, a belt pound scale mounted on the motorized belt conveyor, and an aggregate storage device. A permanent cement storage device is mounted on the upper end of the container body. The mobile concrete batching plant is further provided with an additive pound cylinder connecting to the cement pound cylinder, a permanent water storage tank and pumping line connecting to the water pound cylinder, a permanent additive pound cylinder and pumping line connecting to the additive pound cylinder, and a central control unit, which includes a display module, a gate control module and an in-air remnant module. The in-air remnant module can determine mass of the in-air remnant respectively generated when the gates of the permanent cement storage device, the permanent water storage tank and pumping line, the permanent additive pound cylinder and pumping line and the aggregate storage device are closed. According to the invention, a precise feeding of materials can be ensured.

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