

AUTOMATIC CLEANING SYSTEM

ABSTRACT

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The present invention discloses an automatic cleaning system, comprising four stations uniformly distributed along a circumferential direction, and a central circulation device located in the middle of the four stations. The central circulation device drives a hopper to move in cycles, thus entering the four stations in sequence.

10 The four stations include a first station for loading and weighing materials, a second station for supplying and receiving the hopper, a third station for cleaning remaining materials in the hopper, and a fourth station for cleaning the hopper. In the system, the hopper is circulated among the four stations through the central circulation device, thus realizing a fully automatic operation process including receiving, cleaning,
15 loading, and conveying the hopper. In this manner, operation efficiency and safety can be both improved.

(Figure 2)