

ABSTRACT

TITLE: WAFER BOX CONVEYOR

In the cassette transport device of the present invention including the smart cart, the base expansion frame mounted on the smart cart and the cassette-loading frame fixed to the base expansion frame. The cassette-loading frame is partitioned into several segments each accommodating multiple cassette trays. Each of the cassette trays defines, on its surface, a first trough for retaining a cassette of a first size a second trough that is surrounded by the first trough and configured to retain a cassette of a second size. With the first and second troughs, each of the cassette trays is able to retain a cassette of either the first or second size, making the cassette transport device possible to be used in transportation of the both types of cassettes with a high yield. Moreover, the smart cart is capable of automated transportation without human intervention or track construction while enabling savings in transportation cost, time and labor. **Figure 1.**