ABSTRACT

A conveyor line limit stopping device and a handling method for goods pallet inbound and outbound are provided. The device includes a high-bay racking, a conveying mechanism, a shuttle, and interlaced travel tracks. The high-bay racking and the conveying mechanism are located above the travel tracks. The shuttle moves and travels on the travel tracks and shuttles below the high-bay racking and the conveying mechanism. A limit stopping device is arranged at one end of the conveying mechanism close to the high-bay racking. When a pallet is placed on a conveying surface, if the conveying mechanism performs forward conveying for inbound, the limit stopping device is in limit contact with a pallet that carries goods; and if a conveyor belt performs backward conveying for outbound, a pallet presses the limit stopping device down to be below the conveying surface. Pallets that carry goods with different weights or pallets made of different materials can be accurately stopped at the same position at each time; a risk of goods falling during handling of the shuttle is greatly lowered; and furthermore, the conveyor line limit stopping device can be applied to most scenarios for docking of the goods in the pallets performed through conveyor lines.

FIG.2