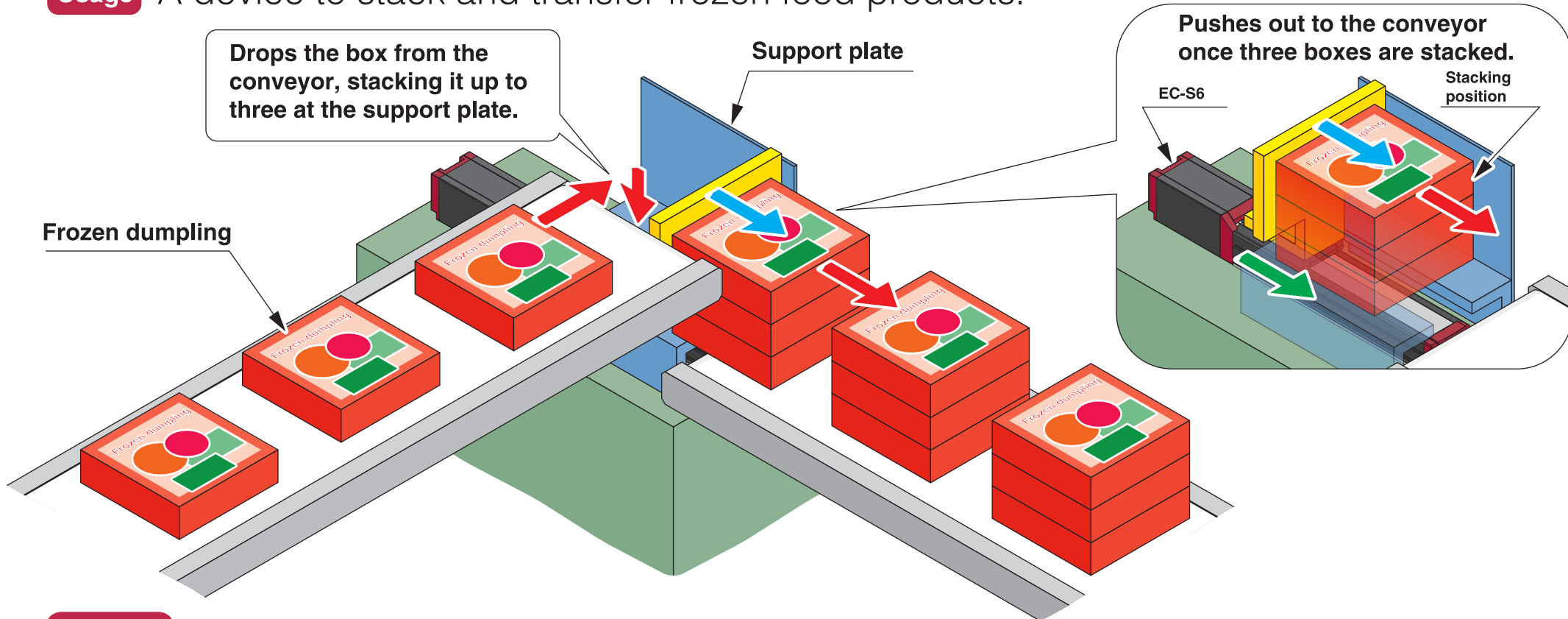


# Frozen food stacking transfer device

**Usage** A device to stack and transfer frozen food products.



## Explanation

A device to stack the packed frozen dumplings and to transfer them to the conveyor sending them to the following process where they are boxed in cardboard boxes.

Drops the product from the conveyor onto the L-shaped receiving jig fixed on to the Elecylinder to stack them up, and transfers the stack to the conveyor sending them to the post process.

Conventionally, an air cylinder was used here, but there was an issue where the stack may topple over due to impact caused when the air cylinder starts to move, or when it stops, leading to an occurrence of defective product.

The speed had to be capped to prevent such to occur.

Elecylinder has a feature to adjust each of the values for A (acceleration), V (velocity) and D (deceleration), enabling it to start and stop its movement smoothly, while having it operate in high speed, reducing the cycle time from 5 seconds to 4.7 seconds. In the other hand, Elecylinder can reduce the impact it creates, reducing the chances the stack topple down from 0.5% to 0%.