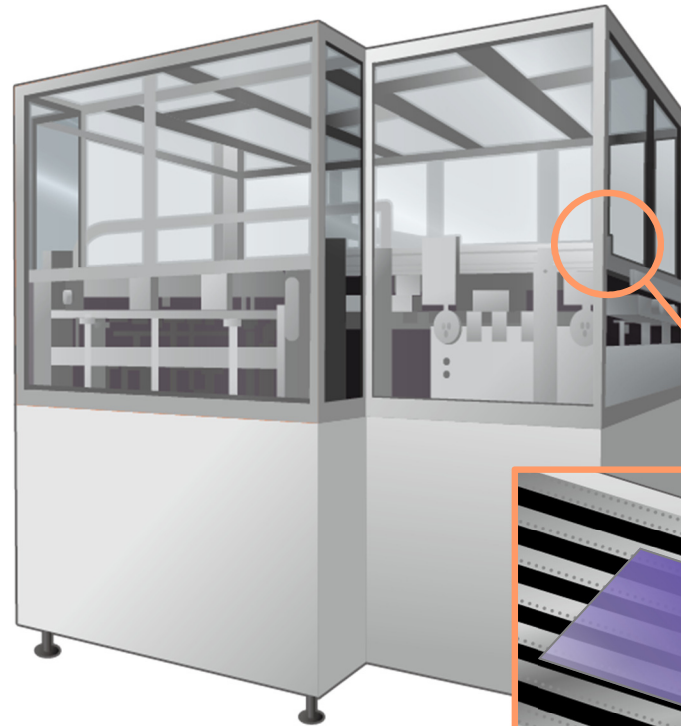


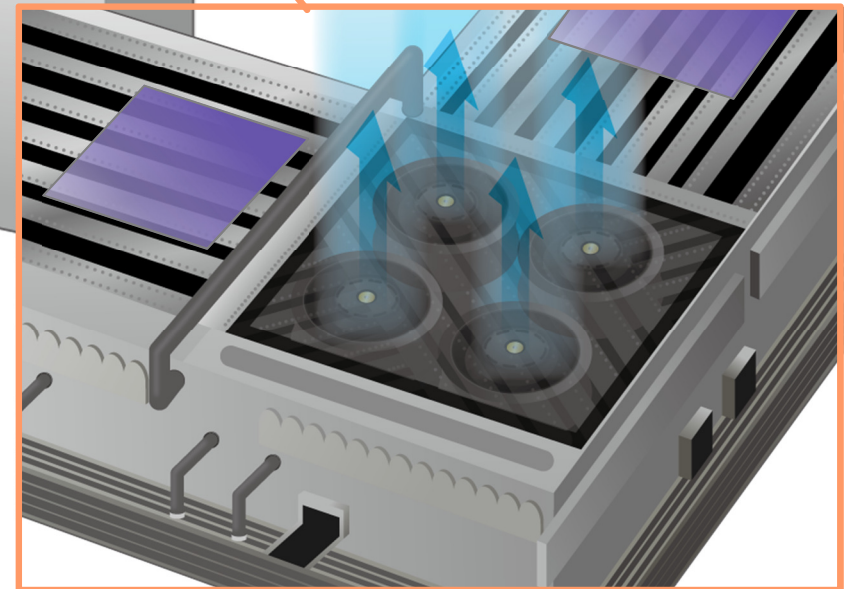
Air Conveyor System

Description

Air conveyor systems convey glass substrates by carrying them with a stream of air. To increase productivity, large-sized glass substrates, which are thin and fragile, are often used. By using fans, the conveyor forms an air film to gently lift glass substrates to protect them from damage.



San Ace 172
9CR type



SANYO DENKI Proposal

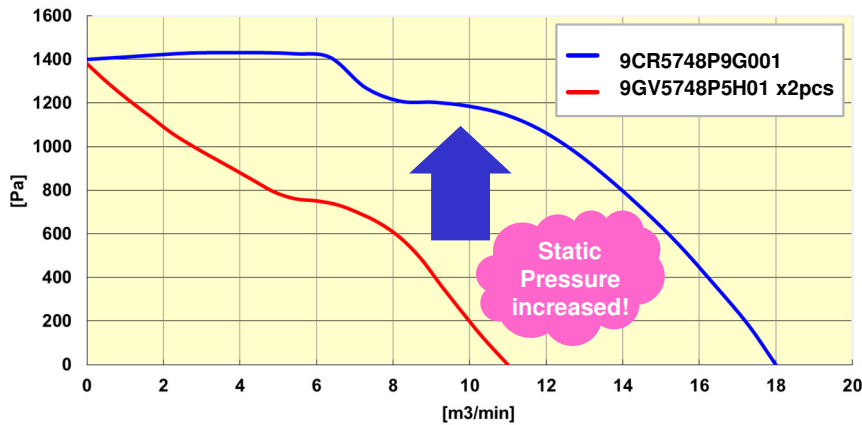
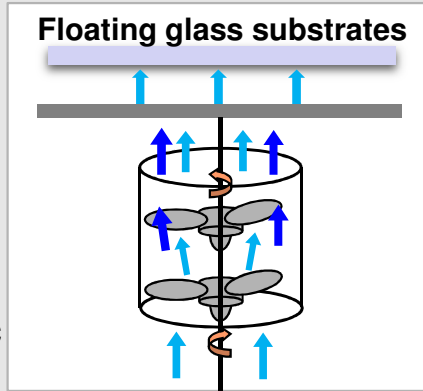
■ 9CR5748P9G001 / $\phi 172 \times 150 \times 102$ / 48 V / PWM control function / 40,000 h @ 60°C

Purpose: For safely lifting and moving glass substrates by using fans with high static pressure.

Features

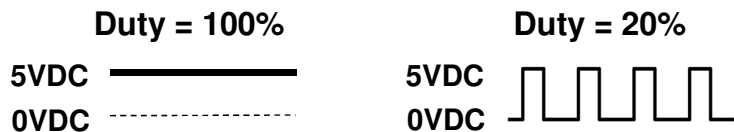
■ The industry's first $\phi 172\text{mm}$ Counter Rotating Fan

By rotating the front and back blades which are different in speed, shape, and number of blades, the fan can gather air efficiently and send out straight airflow with high static pressure.



■ PWM control function for adjustment of speed

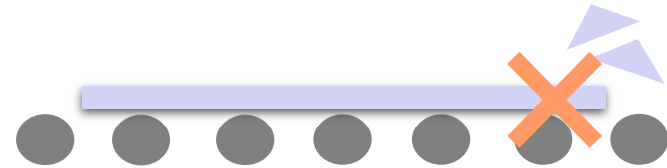
By changing the input pulse signal duty, the fan's rotational speed can be controlled.



Merits

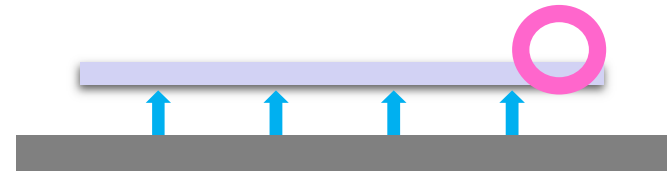
■ Without air

The glass substrates can break easily if carried while in contact with the conveyor.



■ With air

The glass substrates does not touch to the conveyor directly, and is conveyed without breaking.



■ Conveys glass substrates of various weights

Since there are various types of glass substrates which are different in weight, the fan's rotational speed needs to be adjusted depending on each glass substrates. PWM control function can adjust the fan's rotational speed easily, and the airflow can be adjusted to convey the glass substrates safely.