

Flexible Factory Automation
DAISHIN

HIGH SPEED FILLING MACHINE

More than 2 times speedy filler than
conventional one!!!



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DAISHIN
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High-speed filling machine



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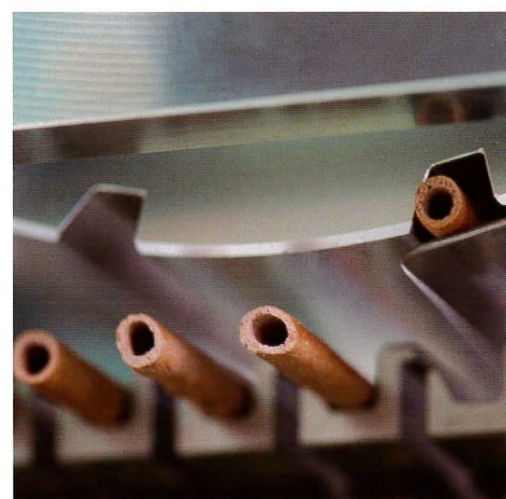
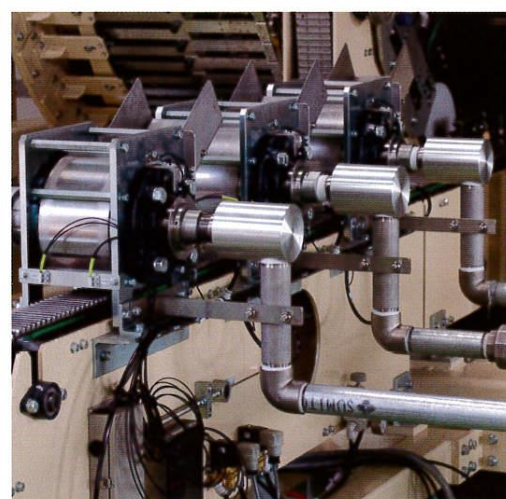
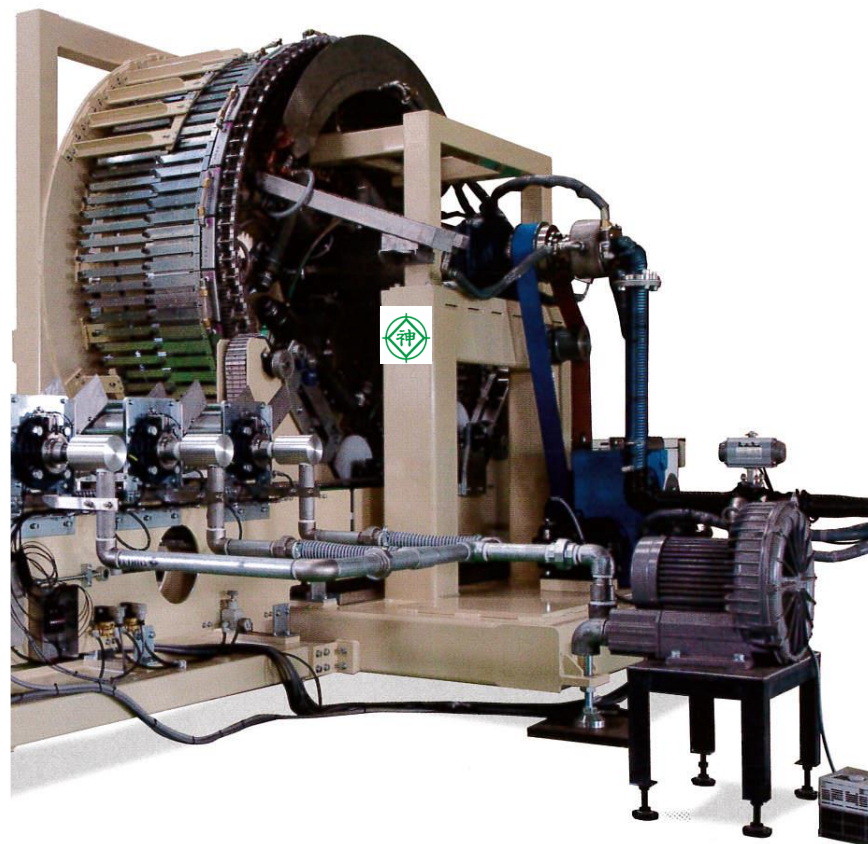
HIGH SPEED FILLING MACHINE

More than 2 times speedy filler than conventional one!!!

It has succeeded to achieve for saving spaces and making flexible speed up through adoption vertical rotation method. The speed of this equipment can be changed through changing the size and shape of the drum.

Features and Characteristics

There is a limitation in production capacity in parallel tact type food processing machinery in current world, but this new equipment has overcome this limitation through production capacity and saving space required for installation in the factory site in simple way than the complex manufacturing equipment. This is a high speed filling machine positioning with vertical rotary work stage with servo motor and cam driving force by smooth power transmission system. That's why; it can be designed in simple way to save spaces in work site.



This machine fills the various liquid into solid substances in 5-6 mm diameter and 3-4 mm hole size, after filling, it sends the finished products into next step of manufacturing process and another items being filled, in that way, this machine works on. For increasing the production capacity, it needs to set up big size equipment as there is a limit in production capacity of conventional equipment. Our high speed filling machine is a vertical rotary work stage system rather conventional parallel tact production system, it reduces cost of production in huge amount through filled the liquid materials in speedy. Without damaging the slender hollow goods supplied together from the conveyor on per second at high speed over 20 or more that grab one at a time, it also removes the defective one and filled the blank spaces through sensor and also chucks grabbed products into centering.

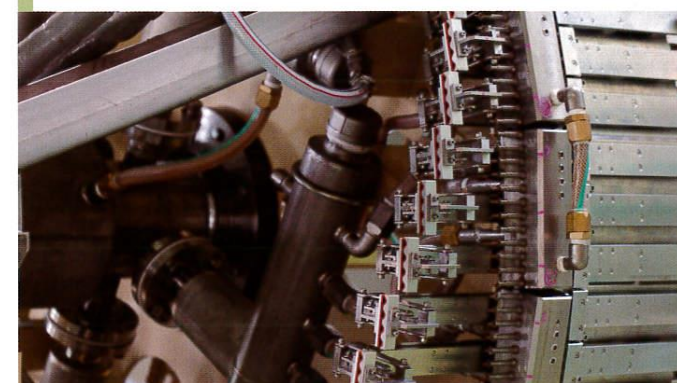
Work Process

01 Supply Conveyor



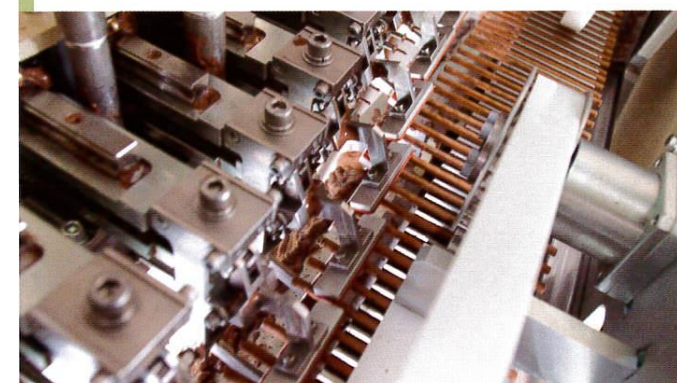
Filling and replenishing one by one through aligning

03 Handling



Carry to the nozzle side to grab the product correctly

05 Handling (Return)



It delivers it to a discharge conveyor after filling

02 Replenishing device



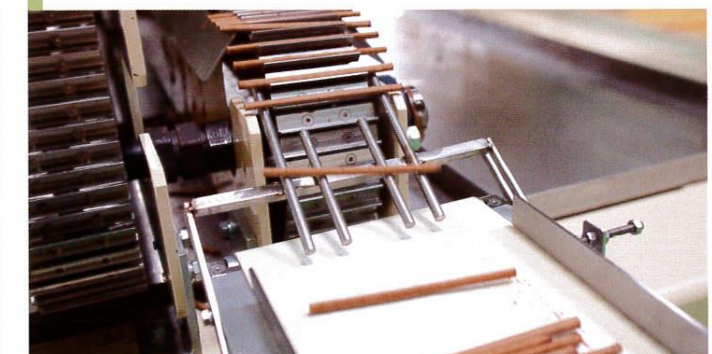
If there is any gap in feeding through conveyor, then it refills the blank in every 0.05 seconds.

04 Filling



Filling is completed in about 3 (three) seconds from one side

06 Discharge



Products come from the delivery conveyor is sent to the dispatch conveyor

Advantages of the product

- Can be filled at a rate of more than twice of the conventional device
- Only 1 (one) arrangement staff needs and alteration staff on the supply conveyor become unnecessary
- Arrangement spaces become lesser than conventional equipment.
- It runs through one motion driving force that saves electricity consumption.

Specification

- AC200V 7.0kw
- AC Servo Motor-4 units
- Cam Drive System
- 20 or more pieces per second