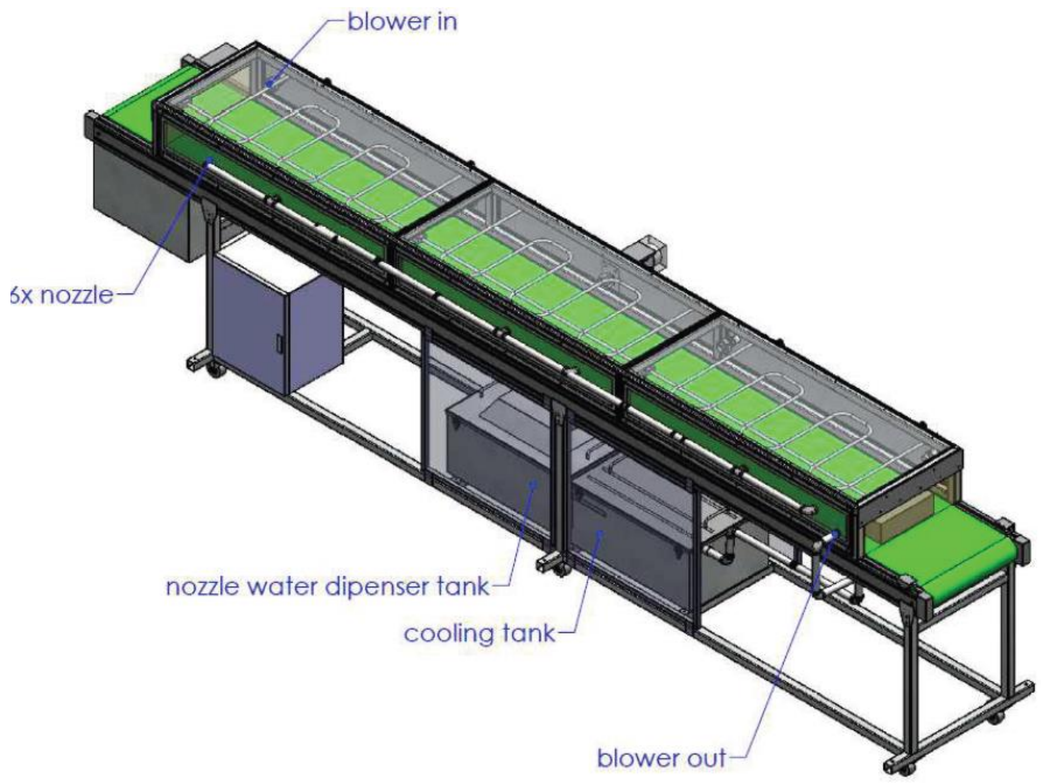
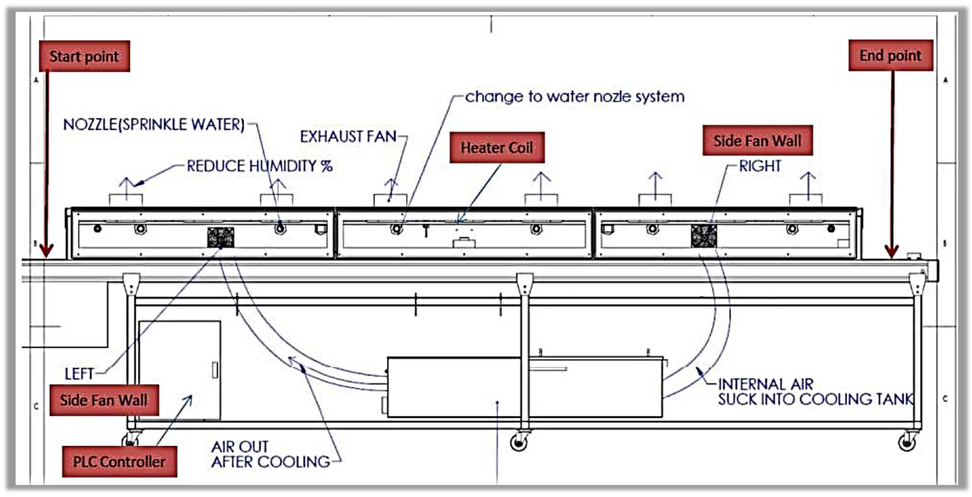
Post Conditioning Machine

PATENT NO. PI2015702194 | CHINA 201600514356





BRIEF TECHNOLOGY

This technology and machine system is designed to suit the production floor of plastic injection machine process.

PROBLEM STATEMENT & CURRENT ISSUES

Nylon material is a hygroscopic material. It will absorb the moisture depending on temperature and humidity at that particular area and time. For some applications of the product it is so important to make sure the material stabilize and ready for the in process control & inspection especially when the components or parts are used in the structural application.

Post conditioned injection process with humidifier machine system will be able to conditioned the nylon material parts or components to the applications needed

INVENTIVENESS & NOVELTY

- This system design for post injection conditioned for Nylon (PA6) material. Primary usage is for POST conditioned components or parts that been produced with nylon (PA6) material.

- The system started after the part been injected out from the Injection machine and transfer to the humidifier machine conveyor

- The part will be through the humidifier system from start point to end point.

USEFULNESS & APPLICATION

This technology and machine system also could be used for food industries or anything that required to control tightly the temperature, humidity and time.

IMPACT OF THE PRODUCT

This system could ;

- easily track and control production lot and batch due to short interval stabilization time to conduct in process testing instead of conventional way that need to wait and quarantine until 3 to 4 days before can conduct testing.

MARKET POTENTIAL

The main industries for this invention are ;

- Manufacturing Engineering
- Food industries

TRL : 7

The current Machine is operational and under testing in the industry. In the near future, we would like to have to partner that capable of manufacturing this machine and selling it to the appropriate industry

Project Leader : Prof. Ir Dr Mohd Khairol Anuar b. Mohd Ariffin
Dept./Faculty : **Mechanical and Manufacturing Engineering**
Faculty of Engineering
Email : **khairol@upm.edu.my**
Phone : **03 - 9769 6262**
Expertise : **Manufacturing Engineering**

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