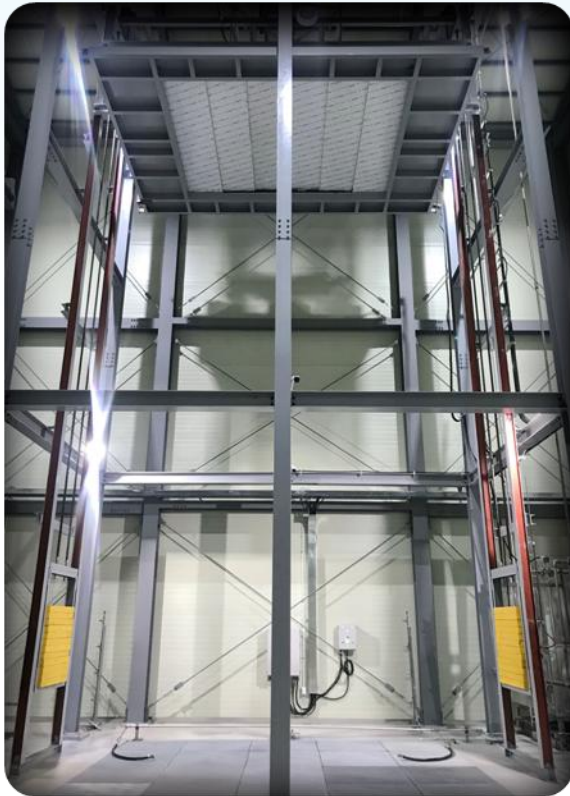


FITI launches 'Rain Tower' testing with new facility



In 2019, FITI Testing & Research Institute, one of the global comprehensive testing laboratories, has launched its first 'Rain Tower' testing service at its headquarters in Seoul. Rain Tower testing is basically for checking clothing functionality; It is for determining the rain tightness of clothing for protection against rain. (jackets, trousers, coats etc.) Since it is difficult to operate and simulate rainfall testing, there are only few Rain Towers in the world.

The Rain Tower can simulate realistic rainfall rates ranging from a light drizzle to a downpour. Its height is approximately 10 meter (32.8ft) with 1,000 droplets/m² nozzles and 450L/m²/h of capacity of spray. It can record wet area visually on the mannequin and check timing of water ingress by 23 points of temperature and humidity sensors. Furthermore, it adopts a new method to measure waterproofness of finished garments, which can be applied as well to general apparel in the industry fields. Plus, it can be applied not only in the apparel field but various types of industry field which needs functionality against rainfall as well. However it is not yet applicable for resistance to other weather conditions such as snow, hail and strong winds.

Last March 21, members of The North Face(VF), which is one of the popular American outdoor product companies, visited FITI Testing & Research Institute to watch 'Rain Tower' in the flesh. The members of The North Face could experience Rain Tower's operation in person and left a favorable evaluation. Besides, several outdoor brands such as Newell, Black Diamond and Arc'teryx visited FITI Rain Tower and had a constructive discussion to apply it for their products.

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With this useful testing service, fashion companies, especially who are producing outdoor products, can make sure their products' strong functionality to consumers. "FITI will give an organized effort to develop and offer more scientific testing service to measure and analyze the impact of a product in a controlled environment." says Dr. YouKyum Kim, Director of Rain Tower testing. Anyone who has any interest this demonstration can visit FITI Testing & Research Institute.

Provided by FITI Testing & Research Institute

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