TAIKI-SHA

News Release

April 18, 2025
Taikisha Ltd.

Notice of Participation in the 8th Paint & Coating Expo (Coating Japan) (Osaka)

Taikisha will exhibit at the 8th Paint & Coating Expo (Coating Japan) (Osaka), which is to be held at INTEX Osaka from Wednesday, May 14 to Friday, May 16, 2025.
With the theme of “Using Technology to Repaint the Manufacturing Environment!” our exhibit features solutions, based on customer insight, to issues facing customers at their coating worksites.

Our staff looks forward to seeing you there. Please feel free to stop by the Taikisha booth when visiting the expo.

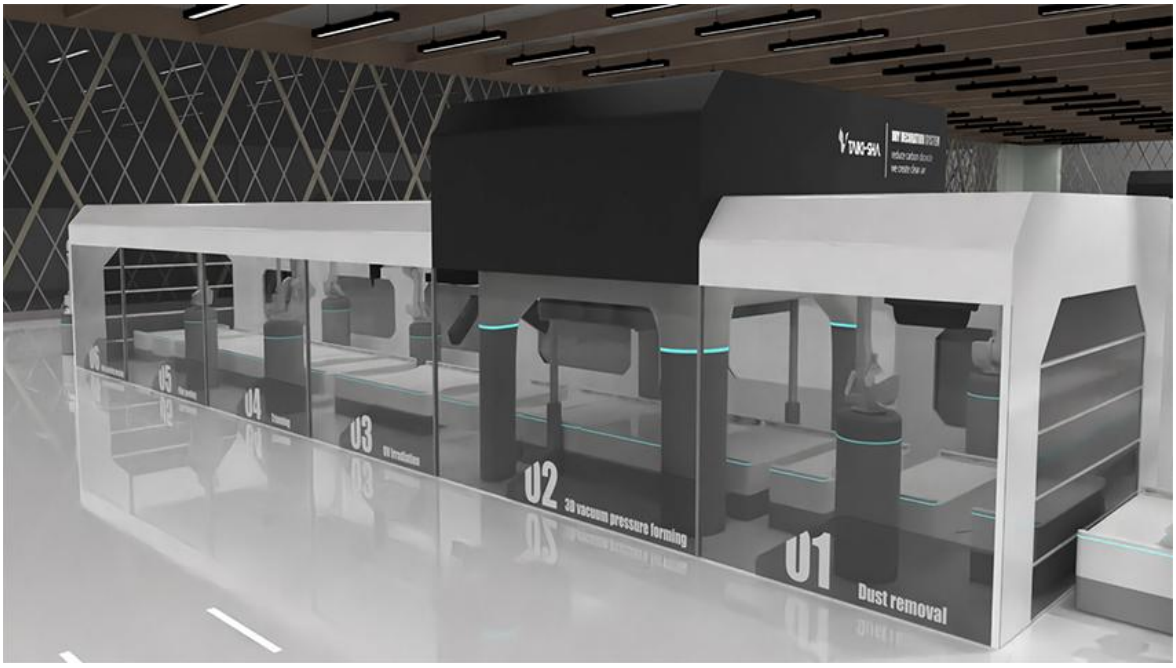
■ Outline

Period	Wednesday, May 14 to Friday, May 16, 2025
Hours	10:00～17:00
Venue	INTEX Osaka
Exhibition Booth	17-34
Exhibition Site	https://www.material-expo.jp/osaka/ja-jp/visit/coat.html
URL for downloading your visitor badge	https://www.material-expo.jp/osaka/ja-jp/register.html?code=1328195102931605-YTF Please register and have your 2D barcode ready to scan at the venue

Main Exhibits

Development of film decoration system for exterior applications

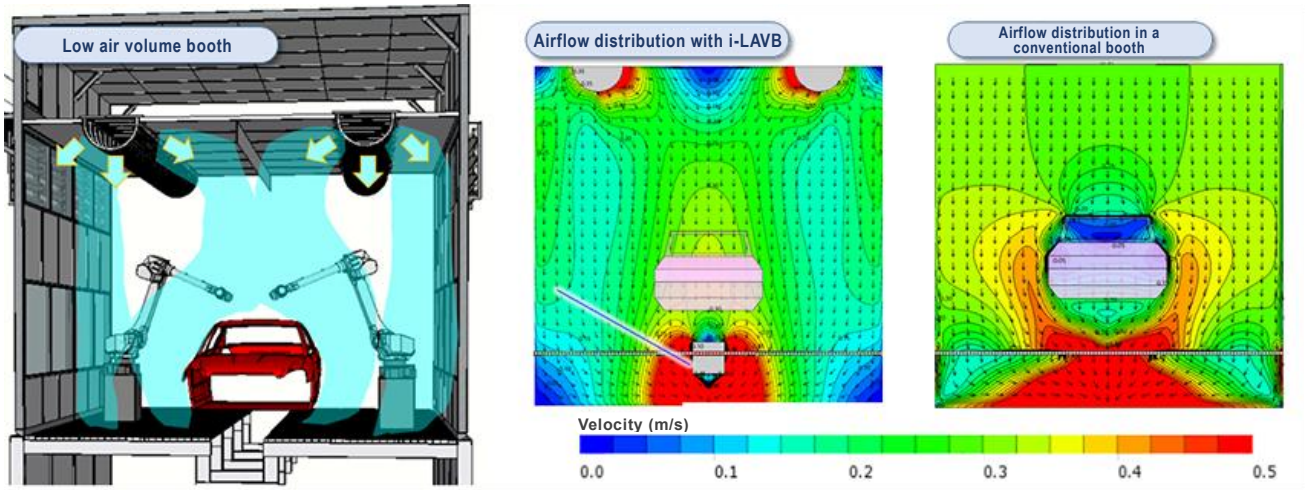
Promoting the development of a dry decoration technology with low CO_2 emissions instead of conventional wet painting



To make the coating process carbon neutral, we seek alternative coating methods to conventional spray coating and are examining various decoration systems. The use of decorative film lamination technology eliminates the spray coating process, resulting in a low-carbon footprint. This also eliminates the need for wastewater and exhaust treatment equipment, which is expected to have environmental benefits.

Low air volume booths | innovative-Low Air Volume Booth (i-LAVB)

Paint booth air supply volume significantly reduced by up to 50%!

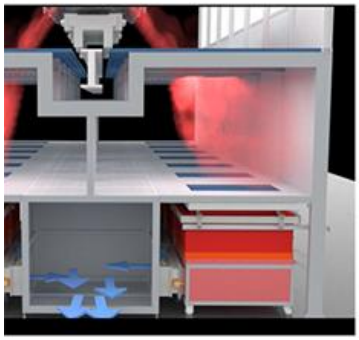


Our i-LAVB proposal redesigns the conventional paint booth full-surface air supply structure, allowing air to be supplied to areas where it is needed, such as the painted body or around the booth walls. By optimizing the airflow in the paint booth, the air supply air volume required to maintain the paint environment is greatly reduced. The introduction of the system reduces the energy needed for air conditioning as well as CO_2 emissions, helping contribute to carbon neutrality.

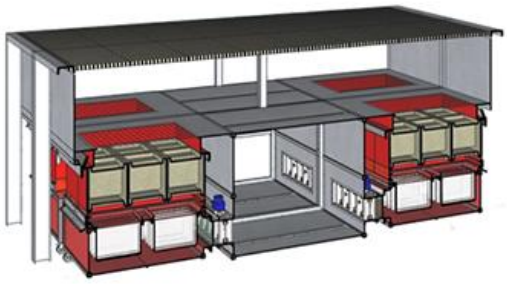
Corrugated fiberboard filter booths | i-Dry Scrubber

A simple dry paint spray removal system!

Visualization of overspray process



Substructure



Corrugated fiberboard filter modules

Our proposed i-Dry Scrubber is a dry paint booth that reduces overspray adhesion dust by means of a dry filter (corrugated fiberboard filter). Unlike conventional wet booths, no water is used to catch overspray, making it a powerful tool in areas where water is scarce.
In addition, because there is no need to reduce humidity, this system offers the advantage of reducing the energy needed for booth exhaust recycling.

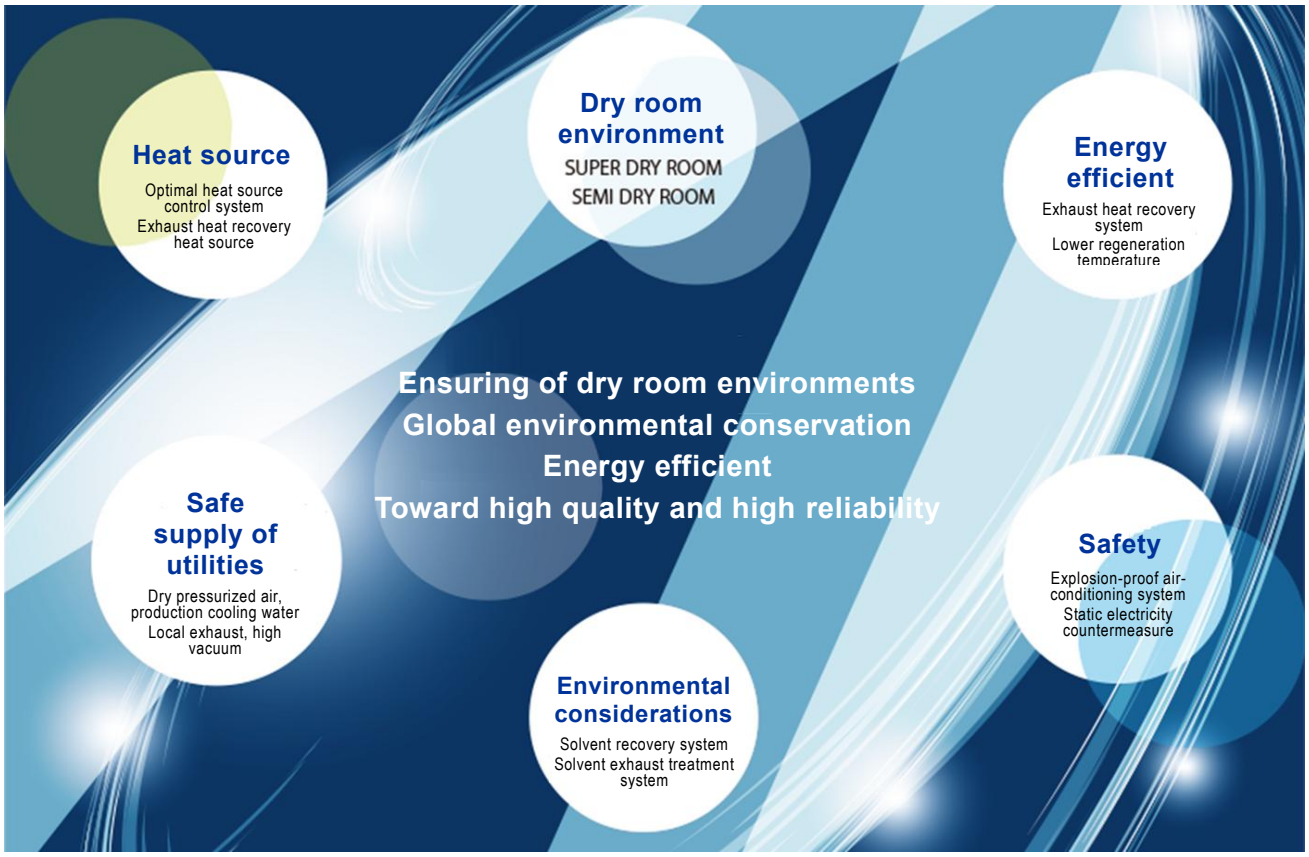
Bell-type high coating Great Transfer Efficiency (GTE)

Achieving an efficiency of over 90% and allowing the use of existing coating machines!

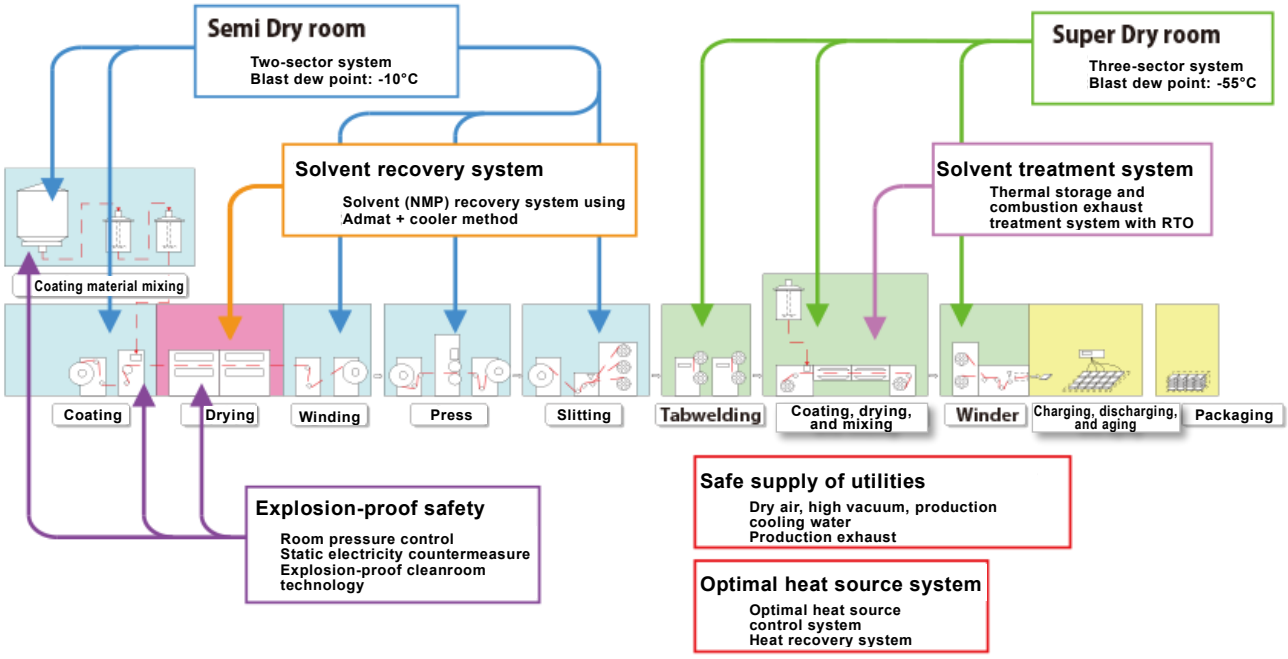
High paint application efficiency reduces wasted paint and VOC emissions. Minimizing paint splatter reduces the required ventilation air velocity, which also reduces the energy used. This also reduces the work involved in cleaning and reduces health risks.

Energy-saving and environmental technology solutions for battery manufacturing plants

Providing comprehensive technologies for facilities related to battery manufacturing, including global environmental conservation and energy conservation



Taikisha's Technologies



We provide low-cost, space-saving, high-performance dry rooms (low-dew-point manufacturing rooms) as a combined solution for air conditioning and exhaust treatment. Our revolutionary NMP Recovery System, in particular, boasts superior ease of maintenance, high energy savings, and low running costs, making it one of the best in Japan.

Target-guided air outlet system | FOLLOAS

Improved working environments and energy savings

FOLLOAS is a cool air outlet system that uses image recognition technology to blow cool air by following the movement of people. Used as a countermeasure against heat in factories, etc., it follows the movements of workers and applies cool air in a continuous manner, lowering the apparent temperature and improving comfort. In addition, depending on the use conditions, the overall air supply volume can be reduced, saving energy and reducing CO_2 emissions.