

Notice of Participation in the 7th Paint & Coating Expo (Coating Japan) (Osaka)

Taikisha will exhibit at the 7th Paint & Coating Expo (Coating Japan) (Osaka), which is to be held at INTEX Osaka from Wednesday, May 8 to Friday, May 10, 2024.

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.



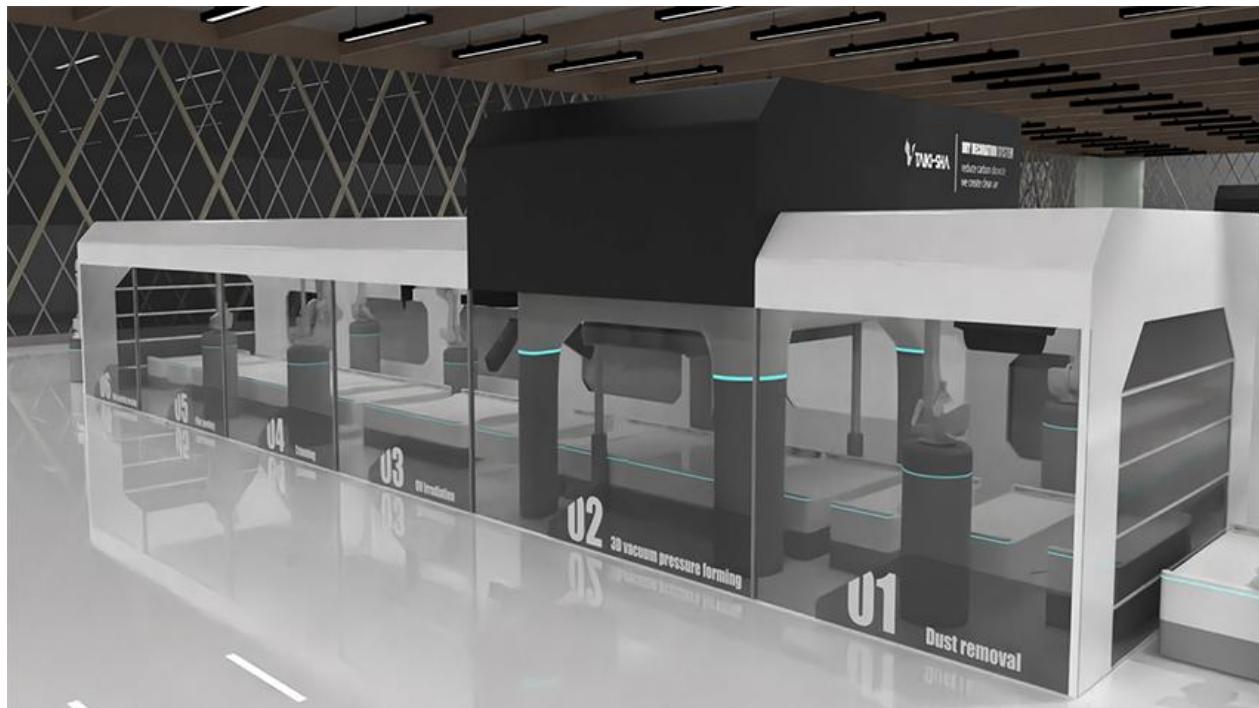
■ Outline

Period	Wednesday, May 8 to Friday, May 10, 2024
Hours	10:00～17:00
Venue	INTEX Osaka
Exhibition Booth	3-24
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=1031057169418178-M1P Please register and have your 2D barcode ready to scan at the venue

■ Main Exhibits

■ Development of film decoration system for exterior applications

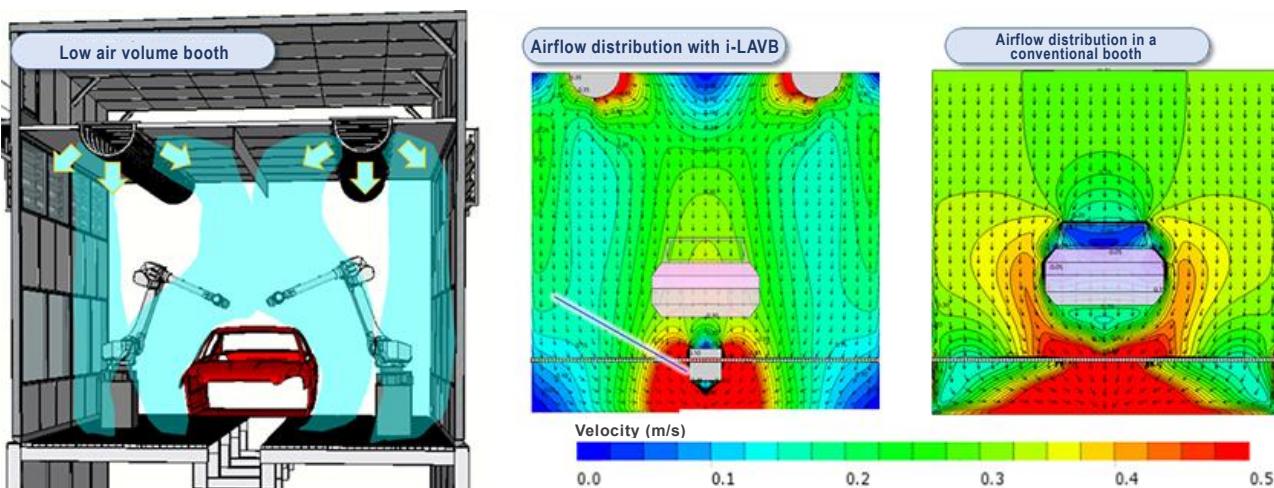
Promoting the development of a dry decoration technology with low CO₂ emissions instead of conventional wet painting



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)

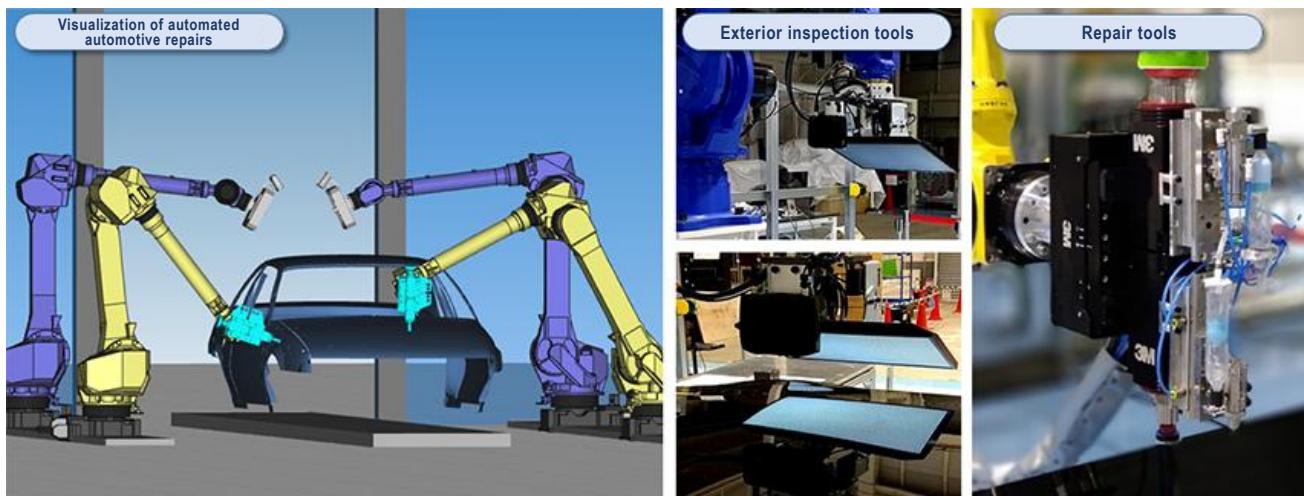
Paint booth air supply volume significantly reduced by up to 50%!



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 CO₂ emissions, helping contribute to carbon neutrality.

■ Development of an automated repair system | i-CAR

Everything from detection to the repair of coating defects is automated!

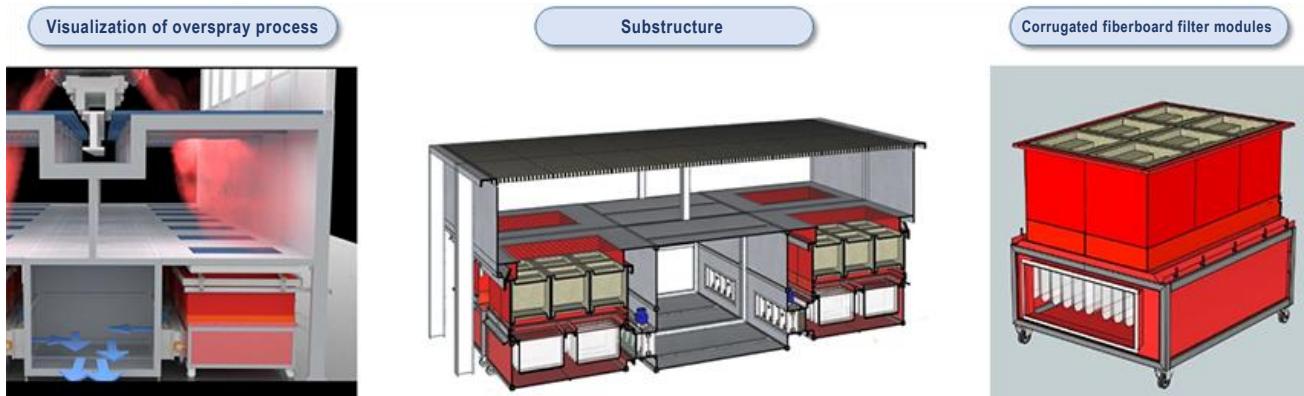


Our proposed automated repair system automates the process of conventional visual detection of paint defects and manual repairs, helping reduce the labor involved. The location and shape of defects, as well as the three-dimensional shape of parts, are accurately detected, enabling robots to perform optimal repairs.

We can provide complete system setups that include ancillary equipment such as devices that replace abrasives.

■ Corrugated fiberboard filter booths | i-Dry Scrubber

A simple dry paint spray removal system!



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.

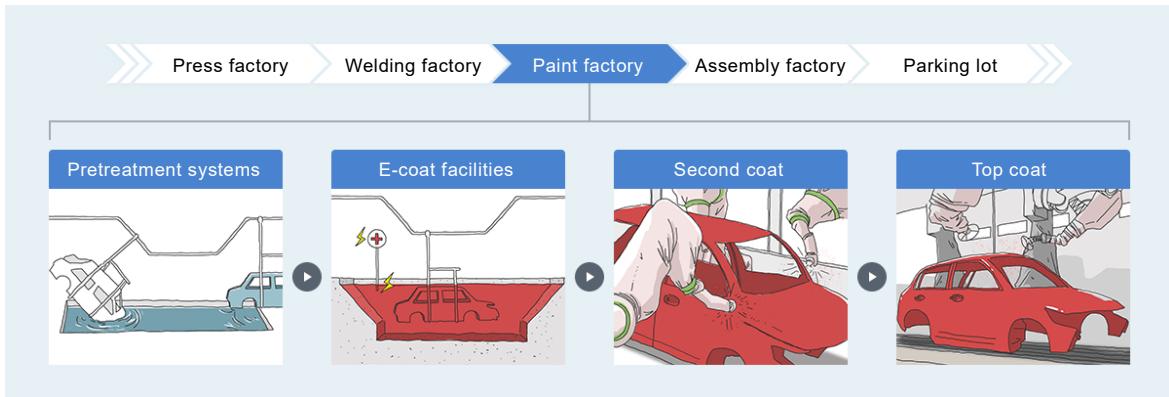
■ Target-guided air outlet system | FOLLOAS

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 CO₂ emissions.

■ Energy-saving and environmental technology solutions



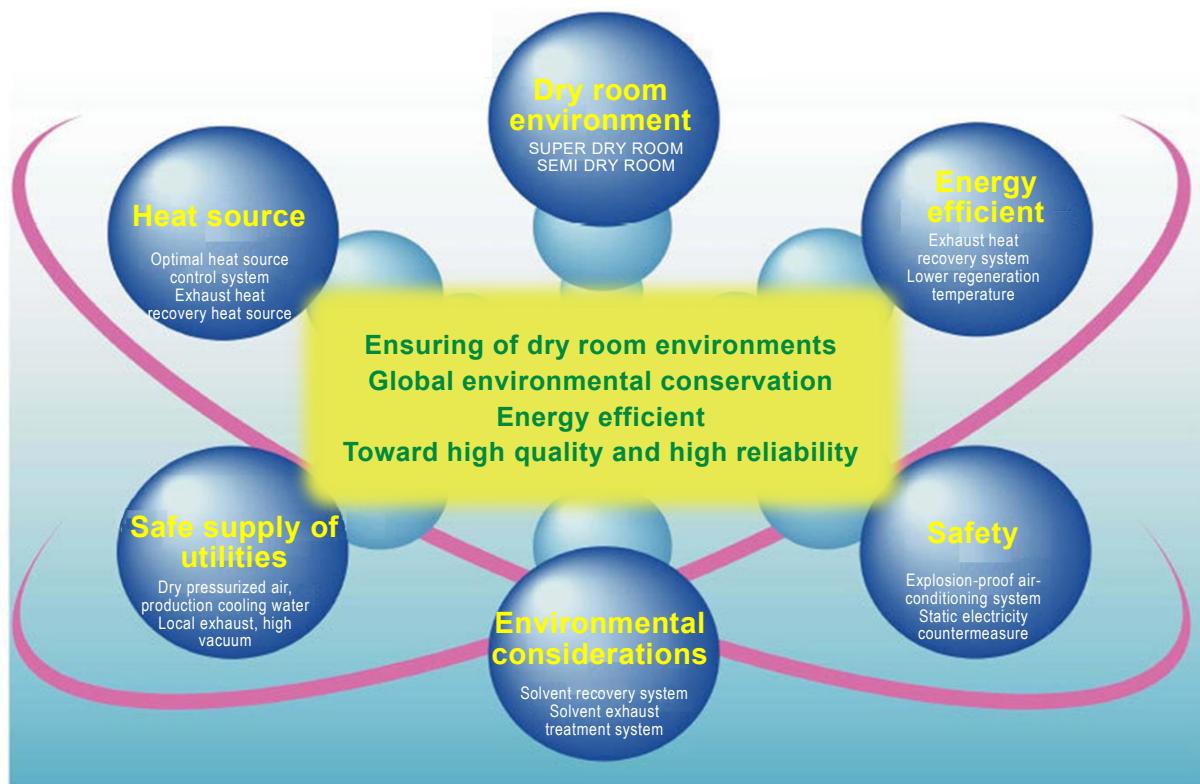
We will introduce energy-saving and environmentally friendly coating equipment technologies carefully selected from a range of proven technologies that have been introduced at numerous automotive plants.

Based on the principle of "Customers First," we handle everything from design, procurement, fabrication, and installation in accordance with customers' needs, the materials handled, and the given requirements.

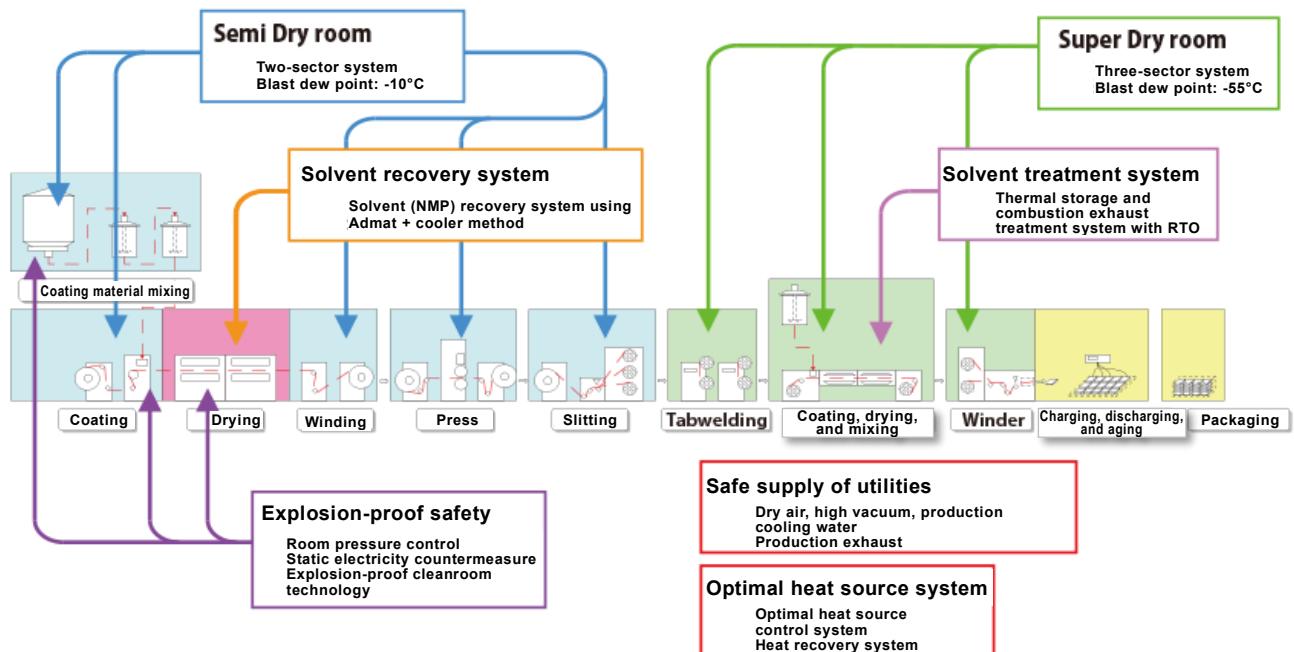
We propose the solutions that best suit each problem our customers face.

■ 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.