

## 1

## Flexible compact hydrogen package (FCHP) for small-scale hydrogen stations

During the year, we began selling a flexible compact hydrogen package (FCHP) for small-scale hydrogen stations, which will encourage the expansion of infrastructure to improve the supply of hydrogen required for the proliferation of fuel cell vehicles (FCVs).

This FCHP is compact, consisting mainly of a pressure vessel and compressor, enabling it to be operated at hydrogen stations according to local needs and to be transported by truck.

By promoting hydrogen infrastructure development, we will contribute to the development of the hydrogen society.



Flexible compact hydrogen package (FCHP) for small-scale hydrogen stations

## 2

## Private showing of compact all-electric injection molding machines (J-ADS Series)

JSW held a private showing of its J-ADS Series of compact all-electric injection molding machines (launched in October 2016), developed based on the concept of “maximum peace of mind for all customers.” Held at the Hiroshima Plant, it was the first showing in Japan and introduced the latest Group technologies.

Costs have been reduced thanks to a parts-sharing arrangement with Toyo Machinery & Metal Co., Ltd., a capital and business partner. In addition, J-ADS features the SYSCOM 5000i touch panel controller, which is popular in medium-sized machines, facilitating functional expansion through application development and compatibility with IoT technologies.

Many customers were curious about the Group technologies and other facets of J-ADS. It was a significant showcasing of our technological know-how, which generated a lot of positive interest and for which we have high expectations.



Private showing

### 3 ● Record-high orders for film and sheet equipment

Demand for film and sheet equipment is strong, especially for use in manufacturing separator films required for lithium-ion batteries installed in hybrid and electric vehicles.

In fiscal 2016, we achieved record-high orders for our film and sheet equipment, as we did in fiscal 2015. Moreover, we expect significant demand to persist until around 2019, with steady growth to continue thereafter. In anticipation of this situation, we acted swiftly to increase production capacity at the Hiroshima Plant.

A key feature of our equipment is that it can be tailored to specific manufacturing methods according to intended applications, such as automobiles and smartphones. As a leading manufacturer in the industry, we will continue striving to further improve productivity.



Film and sheet equipment

### 4 ● JSW's couplers and draft gears used by "Train Suite Shiki-shima" (following adoption by "Seven Stars in Kyushu")

The Japanese railway system is highly regarded around the world for its safety and precision, and JSW's couplers and draft gears are widely used in trains operated by Japan Railway and private railway companies.

In luxury trains, which have been popular in recent years, our couplers and draft gears were adopted in "Train Suite Shiki-shima" operated by East Japan Railway Company (JR East) in eastern Japan and Hokkaido. This follows their addition to the "Seven Stars in Kyushu" cruise train running in Kyushu.



Train Suite Shiki-shima  
(Photo courtesy of East Japan Railway Company)