

ORION's Energy Saving Air Processing System Proposal

Energy Saving Dry Room System



Stable supply for a dry air space at dewpoint temperature of -60°C .

From lithium ion battery and capacitor production to medical supply production and manufacturing processes, a strict low-humidity environment is required. In answer to the needs of such manufacturing processes, ORION brings to the table its original dehumidifying system that offers a waste-free, energy saving, ultra-low humidity environment.

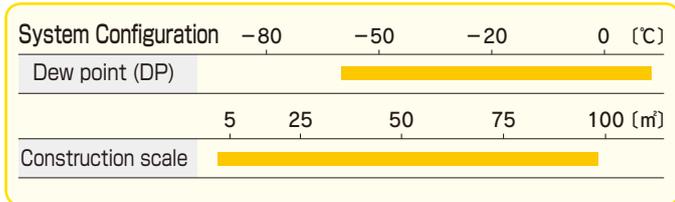
Typical Applications That Can benefit From This Technology

- Lithium-ion battery production
- Capacitor manufacturing process
- Medical supply manufacturing process
- Precision electronic components manufacturing process
- Precision electronic components anti-rust and condensation-prevention
- Humidity management of powder manufacturing process.

Compact design

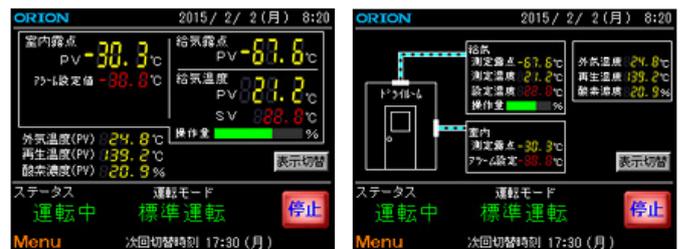
Pre-cooling + desiccant dehumidifier modular design

Inter-unit ducting unnecessary thanks to our modular design
Offers space savings and lower construction cost.
(30% reduction in required installation floor space (compared with our previous models))



Intelligent Touch Panel

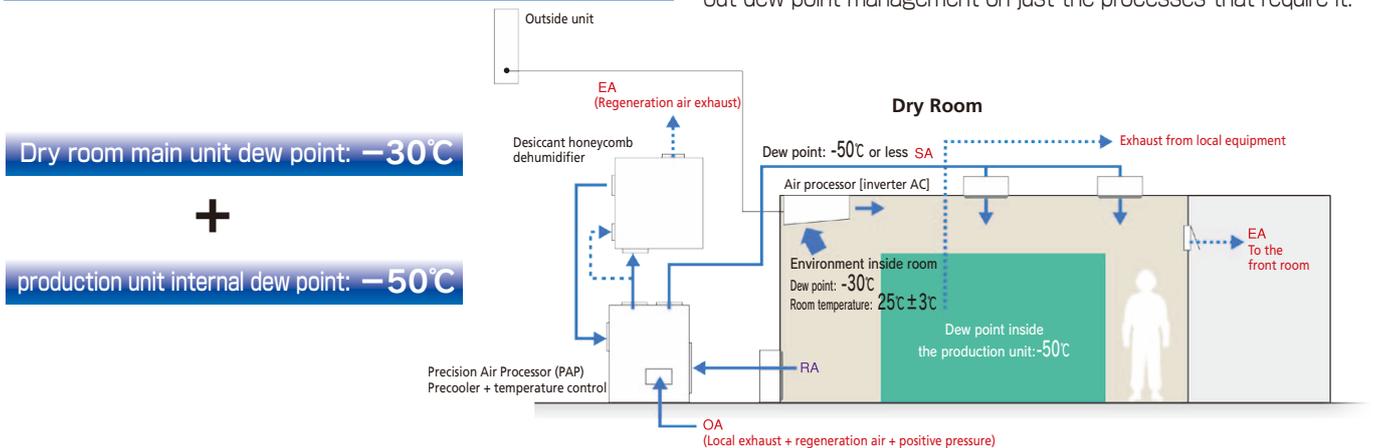
With the touch panel display, various settings and information can be accessed, and current operating conditions can be easily checked.



ORION's Proposal For A Process-Localized Dew Point Energy Saving System

Energy Saving Dry Room System Configuration Example

Cost reductions and energy saving can be achieved by carrying out dew point management on just the processes that require it.



Examples Of Installation

A system design not limited to dry rooms.

