

News Release

November 21, 2016
Japan Airport Terminal Co., Ltd.

HAL® for Labor Support (Lumbar Type) from CYBERDYNE Inc. Officially Introduced in the Airport Limousine Bus terminals at Haneda Airport on Thursday, November 24



▲Robot Suit HAL® for Labor Support (Lumbar Type) ▲ Testing in progress

Japan Airport Terminal Co., Ltd. acting as sales agent for the new product teamed with the Airport Limousine Bus operator Airport Transport Service Co., Ltd. and other project partners to introduce Robot Suit HAL® for Labor Support (Lumbar Type)^{*1}, which is developed and manufactured by CYBERDYNE Inc. (“CYBERDYNE”), in the Airport Limousine Bus terminals at Haneda Airport on a trial basis beginning in September 2015 and conducted testing aimed at reducing the work burden on airport bus personnel while collaborating with CYBERDYNE to further improve the product^{*2}.

As a result, the product was confirmed to be effective in reducing work burden, with feedback indicating that it “reduced the stress on the lumbar region,” “made it easier to load and unload luggage,” and “made handling easier for women and seniors as well.” Japan Airport Terminal Co., Ltd. has recently made the decision to officially introduce ten new units in luggage loading operations at the Airport Limousine Bus terminals.

As with HAL® for Care Support (Lumbar Type) in the field of care services, HAL® for Labor (Lumbar Type) is the first robot in the world to have been scientifically demonstrated to significantly reduce stress on the lower back, and it is being progressively introduced not only at airports but also in the manufacturing, construction and logistics industries.

Going forward, Japan Airport Terminal Co., Ltd. will continue to promote Japanese technologies from Haneda Airport, gateway to Japan, leading up to 2020 and continue to develop, as a part of an airport-wide effort, a vision for the utilization of robotics technologies at airports ahead of the rest of the world in order to provide safe, secure, convenient and high-quality services to airport users and create healthy and pleasant working conditions for airport employees.

◆Outline

- Product: Robot Suit HAL® for Labor Support (Lumbar Type)
- Date: Thursday, November 24, 2016
- Locations: Haneda Airport Domestic Terminals 1 and 2; 1st floor Airport Limousine Bus terminals
Haneda Airport International Passenger Terminal; 1st floor Airport Limousine Bus terminal
- Units: 10

- *1 Robot Suit HAL® for Labor Support (Lumbar Type) is the registered trademark of CYBERDYNE Inc. This robot for labor support is fitted to the back and helps bear the weight of heavy objects to reduce stress on the lower back when engaged in lifting and moving, and lower the risk of developing back pain.
- *2 Japan Airport Terminal Co., Ltd. signed a basic agreement with CYBERDYNE Inc. in July 2015 on introduction of next-generation robots for the purposes of providing high-quality services to airport users premised on safety, security and convenience and of creating healthier, more pleasant working conditions for airport employees.

[For More Information]

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