CASE STUDY

VANDE BHARAT EXPRESS
INDIAN RAILWAYS

Featured Products : Stainless Steel Compact Hand Dryer
SKU : DAHD0061

Background

The Vande Bharat Express, a superfast service by Indian Railways, with premium washroom facilities, including baby changing stations, hand dryers, and assistance grab rails. Dolphy Group was entrusted with delivering customized compact hand dryers operating at 110V. Despite the challenges, Dolphy successfully delivered the units on time, meeting all specified requirements.

The Challenge & Solution

The Vande Bharat Express project, one of the most anticipated services of Indian Railways, carried significant importance due to its high-tech mobile washroom facilities. These washrooms required advanced electrical equipment, posing a major challenge for the authorities. Among the hurdles was the need for a compact, **customized hand dryer** capable of operating on **110V**, a deviation from the **standard 220V** in India. The confined space within the train's washrooms further complicated the product design, making it essential for the dryer to be compact yet efficient.

Indian Railways and the **Research Design and Standards Organization (RDSO)** identified Dolphy Group as the ideal partner for this task, given its reputation for developing reliable, user-friendly products using sustainable practices. Dolphy was tasked with **customizing** the **PCB** of its DAHD0061 Compact Stainless-Steel Hand Dryer to make it compatible with the 110V requirement, while also designing a compact mould to fit the restricted space in the washrooms.

Dolphy rose to the challenge, successfully developing the **110V-compatible** hand dryer. The product underwent a month-long mock-up trial by the Railway Board of India, ensuring it met all performance standards. Following the successful completion of the trials, Dolphy supplied the customized hand dryers within a short timeframe, fully meeting the client's requirements.

The timely delivery and adherence to specifications demonstrated Dolphy's ability to meet complex demands in critical projects, further solidifying its position as a trusted supplier for large-scale, high-tech projects like the Vande Bharat Express.

As **Dolphy group** is known for reliable and user-friendly product development, within established and committed sustainable practices, **DAHD0061 Compact Stainless-Steel Hand Dryer, Dimensions** are **174mm x 102mm x 256 mm** with **customized 110V**, has been successfully developed. After a 1-month mock mock-up trials by Railway Board of India, Dolphy Group supplied the customized units within very short duration of time, meeting all the client requirements.