

December 21, 2020

Ube Industries, Ltd.
Ube Machinery Corporation, Ltd.

Release of Large-Sized HH (Double Helix) Series Injection Molding Machine

TOKYO, December 21, 2020 — Ube Machinery Corporation, Ltd. (President: Hironori Miyauchi), the core company of the UBE Group's machinery business, today announced the development and release of a large-sized HH (Double Helix) Series toggle clamping electric injection molding machine with a clamping force of 1,300 tons. The large-sized model expands the existing line-up of mid-sized machines with clamping forces below 1,000 tons, bringing the performance advantages of the HH (Double H) Series to an even broader range of customers.

The HH Series injection molding machines are jointly developed by Ube Machinery and U-MHI Platech Co., Ltd. First released in 2018, the line-up until now consisted of six mid-sized models with clamping forces ranging from 350 to 850 tons. Further technology development led to the development of the large-sized HH Series machine, which fits into the customer segment in which Ube Machinery wields a greater competitive advantage. With the expanded line-up, HH Series machines are positioned to meet the diverse needs of customers both in and outside of Japan, and further support production in the automotive, two-wheeled vehicle, consumer appliance, industrial material, and housing equipment industries among others.

U-MHI Platech Co., Ltd. was previously known as Mitsubishi Heavy Industries Plastic Technology Co., Ltd. before it was absorbed by Ube Machinery in August 2020.

Features of 1,300 Ton Model of HH (Double Helix) Series

1. Industry-leading dry cycle time

Dry cycle times are 15% faster than conventional models. Enables high-cycle molding for increased productivity.

2. Industry-leading short foot print

Machine foot print is reduced over conventional models, achieving a length of just 12.0 meters and setting an industry-leading mark for toggle injection molding machines. Eases space concerns when replacing existing machines.

3. Enhanced plasticizing capacity

Injection unit and screw have been improved to increase the plasticizing capacity by 20% over conventional models. Eliminates bottlenecks arising from metering times for large or thick products.

4. Latest DIEPREST and AIRPREST technologies (Option)

Introducing the latest and most advanced DIEPREST core back foaming process for improved molding performance and versatility and AIRPREST air venting technology. Optional precision die height control reduces the quality variability and enables a wider range of products to be manufactured.

5. MAC-IX Control systems with IoT support (Option)

Equipped as standard with the MAC-IX control device, which is popular among medium sized machines, the outstanding operability with two independent screens and card security functions have been improved. Supports plant monitoring, operating results, alarm history, quality control, and quality analysis.



Data for Ube Machinery Corporation

Name	Ube Machinery Corporation, Ltd.
Location	1980, Okinoyama, Kogushi, Ube City, Yamaguchi Prefecture
Representative	Hironori Miyauchi, President
Business Description	Manufacturing, sales, servicing, and maintenance of die casting machines, injection molding machines, extrusion presses, vertical mills, kilns, bulk handling machines, water screening equipment, bridges, floodgates, steel structures and other industrial machinery
Capital Stock	6,700 million yen
Established	September 1999
Shareholder	Ube Industries, Ltd. (100%)
Number of Employees	1,234 (As of December 1, 2020)

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