

## Introduction of the Molding Trial Equipment at Nagoya Machinery Works ~Two-Shot Molding System~

The IM Solution Center at our Nagoya facility has introduced a two-shot molding system for molding trials. We are now fully prepared to provide customers with hands-on experience of our molding solution technologies for two-shot molding applications. Through molding trials, we aim to contribute to improving our customers' productivity and enhancing the added value of their products.

Remote molding trials are also available. Please feel free to contact us for further information.

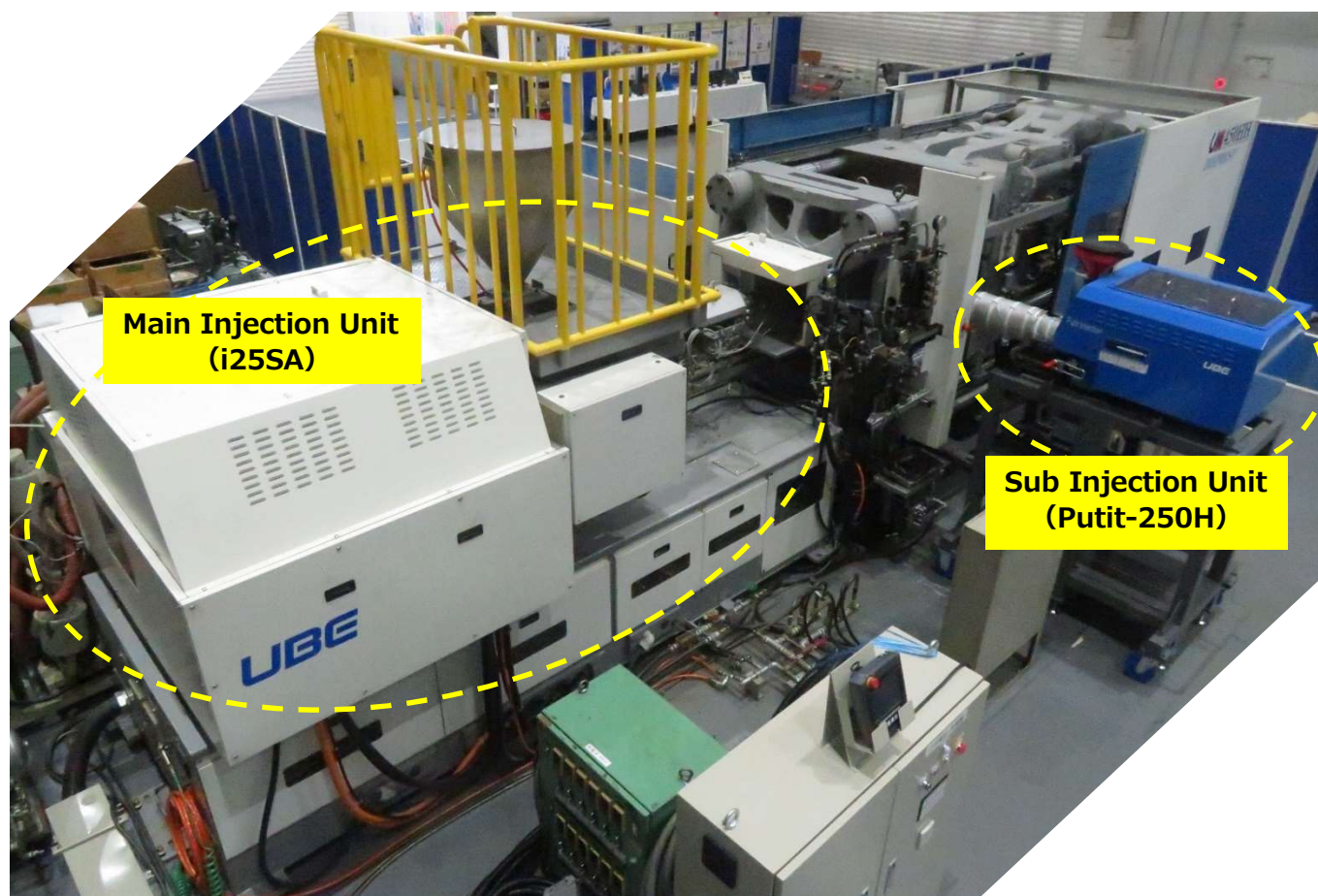


Figure 1. Appearance of Two-Shot Molding System (450HH)

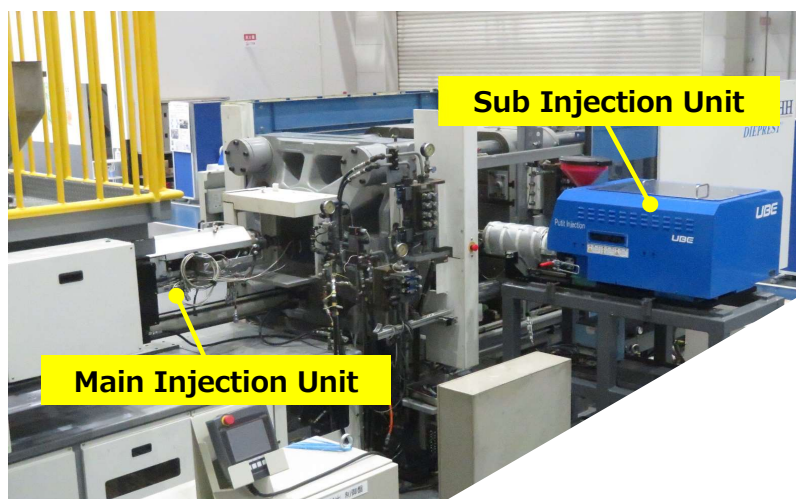


Figure 2. Close-up View of Injection Units  
(Non-Operation Side)

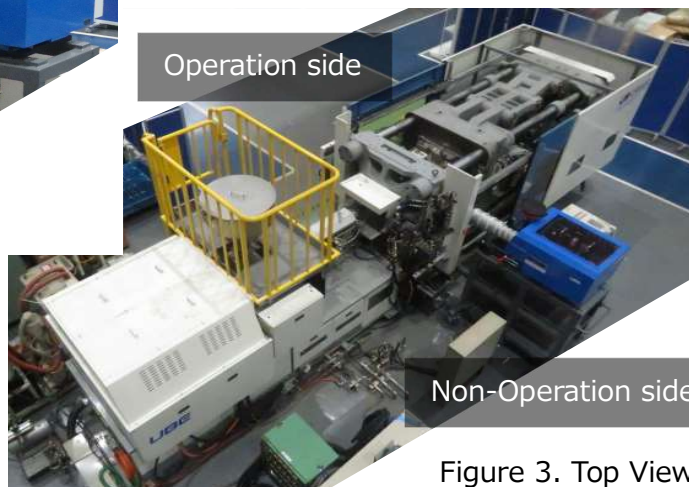


Figure 3. Top View

| Specifications of Electric Toggle Injection Molding Machine 450HH |                 |
|-------------------------------------------------------------------|-----------------|
| Max. Mold Clamping Force                                          | 450ton (4410kN) |
| Distance Between Tie Bar (H × V)                                  | 900 mm×810 mm   |
| Platen Size (H × V)                                               | 1280 mm×1190 mm |
| Mold Height                                                       | min. : 350 mm   |
|                                                                   | MAX. : 750 mm   |
| Max. Daylight                                                     | 1550 mm         |

|                             |    | Main Injection Unit (i25SA) | Sub Injection Unit (Putit-250H) |
|-----------------------------|----|-----------------------------|---------------------------------|
| Screw Diameter              |    | 70 mm                       | 36 mm                           |
| Calculated Injection Volume |    | 1345 cm <sup>3</sup>        | 275 cm <sup>3</sup>             |
| Max. Injection Pressure     |    | 177 MPa                     | 185 MPa                         |
| Max. Holding Pressure       |    | 147 MPa                     | 150 MPa                         |
| Injection Rate              |    | 480 cm <sup>3</sup> /s      | 151 cm <sup>3</sup> /s          |
| Plasticizing Capacity       | PS | 250 kg/h                    | 40 kg/h                         |
|                             | PP | 150 kg/h                    | 32 kg/h                         |
| Screw Speed                 |    | 210 rpm                     | 300 rpm                         |

## Contact

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UBE Machinery Corporation Website address: <https://www.ubemachinery.co.jp/english/>