Recent Topics on Visualization and In-process Measurement Technologies for Injection Molding

The Yokoi Laboratory is conducting the following projects; “Ultimate Injection Molding Technology” and “Pulp Injection Molding (PIM)”. Visualization themes and in-process measurement technologies are introduced through the demonstration of recent analytical results and video visualization images. Development of PIM samples is also reported using typical molded samples on display.

- Analysis of Concentric Flow Mark Occurrence Phenomena in Injection Molding Using Hot Runner System
- Visualization Analysis of Reduction Effects of Bubble Breakage and Gas Generation at Flow Front by Low Counter Pressure Injection Molding
- Evaluation of Change of Gas-vent Performance with Time in Continuous Molding
- Development of Mold for Evaluating Fiber Disintegration/Dispersibility in Injected Melts in Long-Fiber Reinforced Resin Injection Molding
- New Application Fields of Pulp Injection Molding Technology