

Support Structure for Molding Technology

UBE Machinery always strives to provide our customers with a supportive attitude that allows them to feel free to consult with us. Our experienced molding technology experts provide full support to help customers solve various technical problems they may be facing in the field of molding technology through our "reliable experience and technical capabilities". We offer a full range of consultation services, from production and product development, including molding process improvement, molding defect countermeasures, and trial production support, to in-house human resource development through our injection molding schools and other programs.



➤ Technical Support through Molding Trials

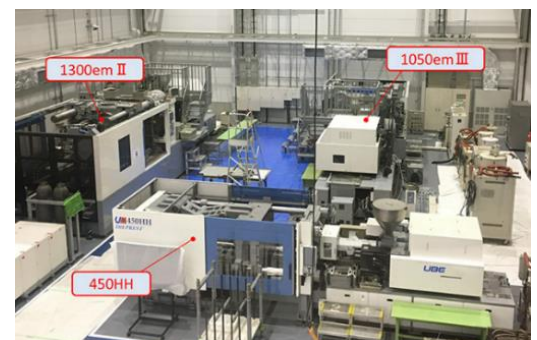
- Technical approach to development issues and molding defects (Proposal and demonstration of solution technologies)
- Support for trial production
- Molding behavior evaluation testing (Theoretical clarification of molding phenomena)

➤ Injection molding trial equipment

- ① Toggle type Electric Injection molding machine : 450HH-i25SA
- ② 2-platen Electric Injection molding machine : 1050em III-i80
- ③ Various types of screws

➤ Injection molding school (classroom & practical)

- We also offer web-based molding trials and molding school (classroom only).
- We can also provide molding support and molding school on the customer's actual machine.

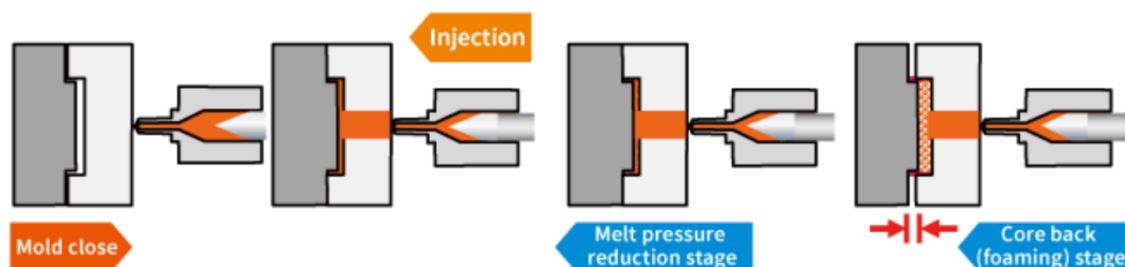


Trial menu		Trial machine		450HH-i25SA	1050em III-i80
Lightweight	Foam molding	Physical gas foaming		—	● MuCell®
		Core-back molding			●
Added value	Decorative molding	Lamination molding		● DIEPREST	●
		Injection compression molding			●
Labor saving	Low pressure molding	Family mold molding		● SCS Control*	● SCS Control*
		Screw performance evaluation		●	●

*Sequential Cavity Separation

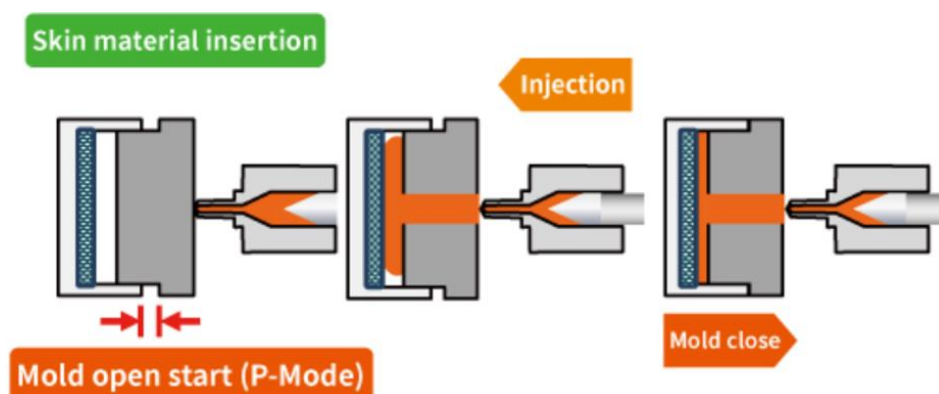
● Core-Back Foaming Molding

Core-back foaming is an injection foaming method that achieves both weight reduction and high rigidity. After injecting molten resin mixed with a foaming agent, the mold cavity volume is expanded to induce foaming within the resin.



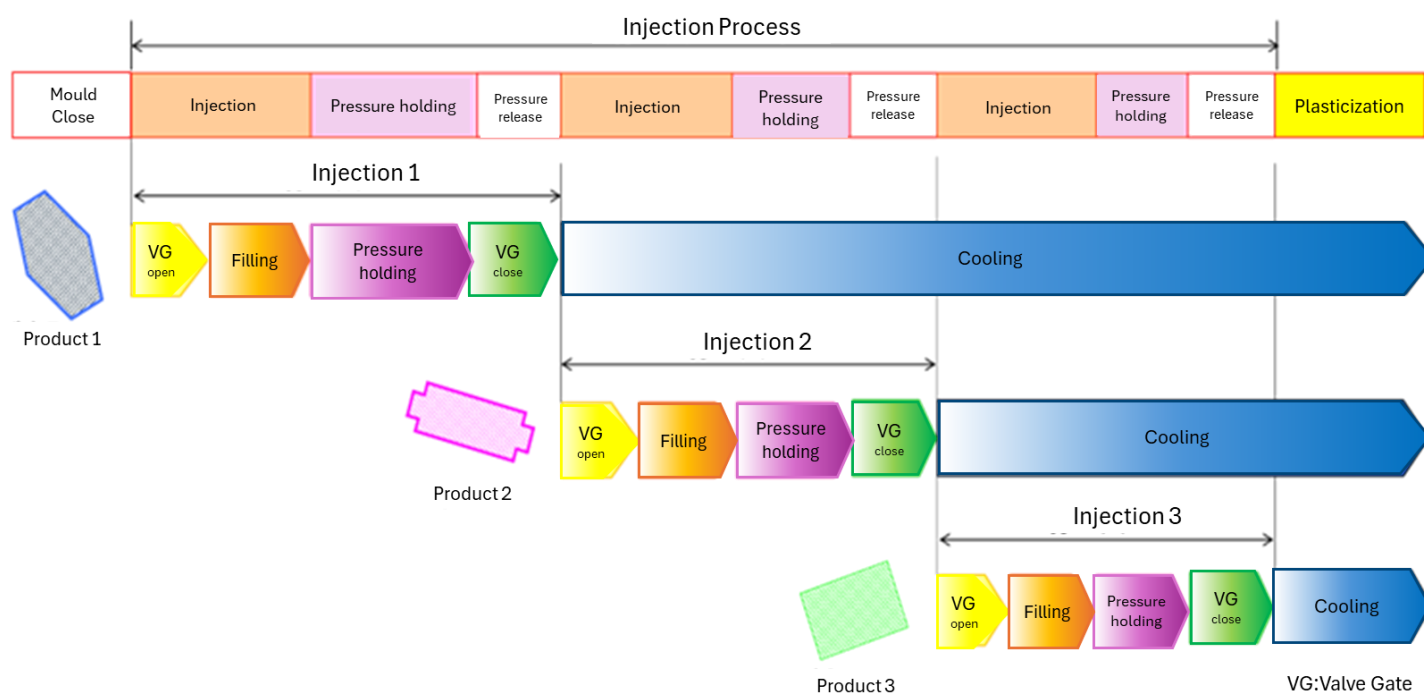
● Skin material inserts Molding

This molding method involves placing a skin material into the mold prior to injection, allowing the resin to bond with the skin during the injection process.



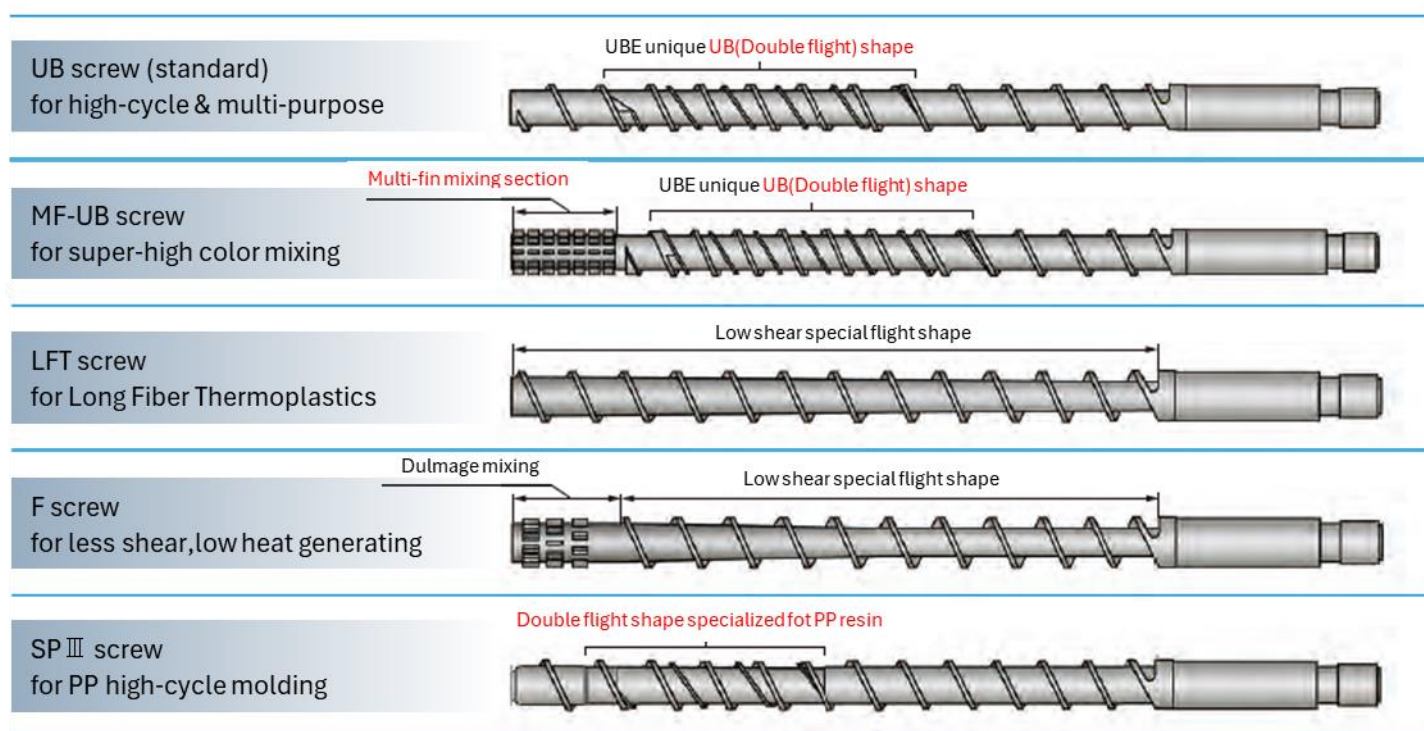
● SCS Molding (Sequential Cavity Separation)

Simultaneous molding of module components with different shapes and wall thicknesses using hot runners and valve gates.



● UBE's Various Screws

We offer a wide variety of high-quality screws.



Contact

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