



# Side Gate Solutions

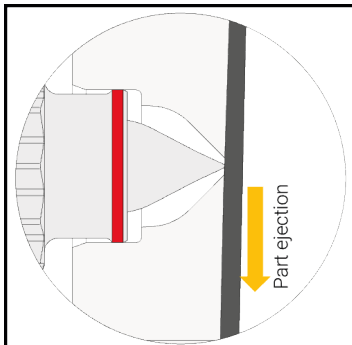


more information on  
side gate solutions

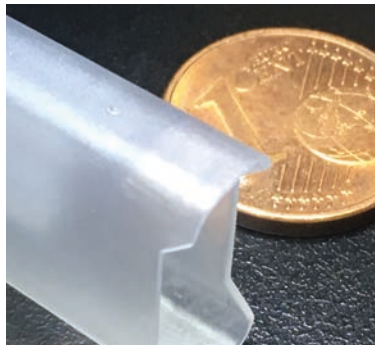
# Side Gate Solutions

Lateral injection molding is significantly advantageous for tube shape components such as pipettes, syringes, caps and technical components. For these applications and many more, THERMOPLAY has developed nozzles for direct side gating. This economical solution does not require sprue or cold runners since the unique nozzle design allows single cavity dismounting and easy access to tips for maintenance.

Cylindrical sealing between tip and cavity is a driver for best reliability and lowest power consumption.



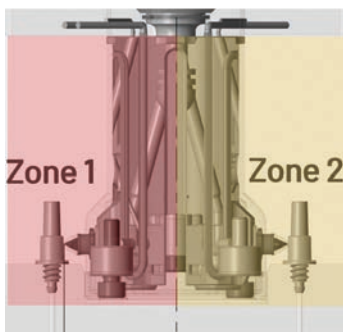
Cylindrical tip/cavity sealing. No thrust from nozzle to cavity, lowest power consumption, no heating sequence required, sealing guaranteed also in cold conditions



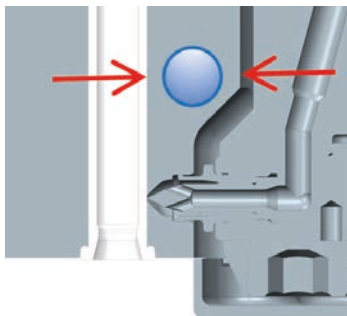
Barely visible gate vestige



1 drop version available



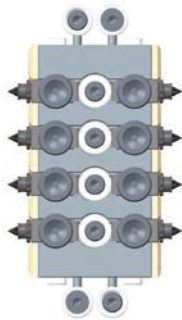
Individual tip temperature control



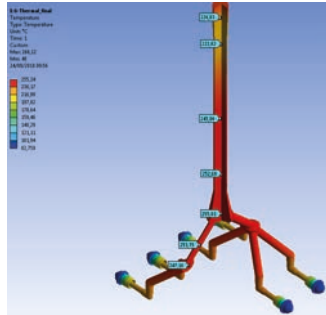
Space for effective cavity cooling



Up to 8 drop, radially displaced tips



Linear tips displacement available



Naturally balanced

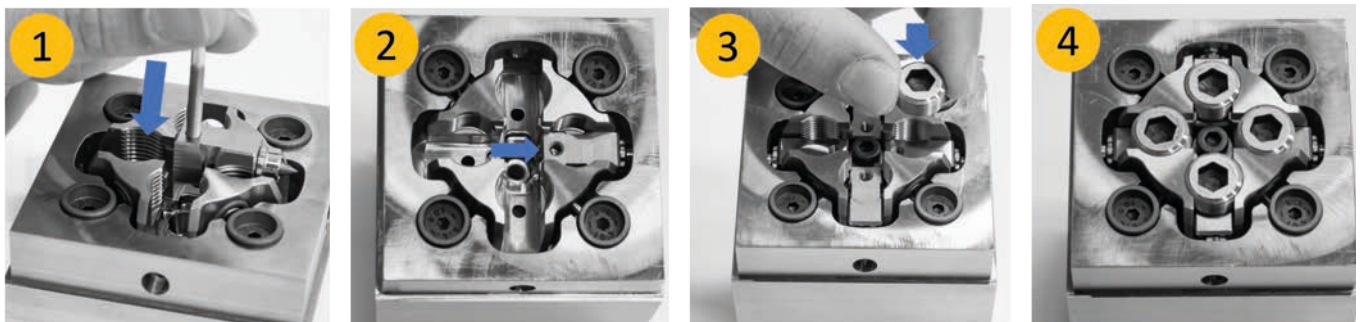
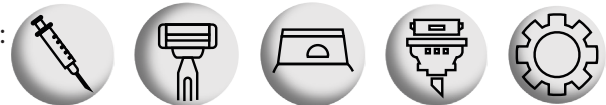
|      |   |      |   |
|------|---|------|---|
| PP   | ✓ | PMMA | ✓ |
| PE   | ✓ | COC  | ✓ |
| HIPS | ✓ | COP  | ✓ |
| PA66 | ✓ | PETG | ✓ |
| PC   | ✓ | ABS  | ✓ |
| POM  | ✓ | SAN  | ✓ |

Can process nearly all the resins (even with glass/mineral fillers)

Maximum part weight (per gate)

| Size                          | TFS 12 | TFS 17 | TFS 23 |
|-------------------------------|--------|--------|--------|
| polyolefins/<br>low viscosity | 6 g    | 20 g   | 40 g   |
| technical resins              | 1.5 g  | 7 g    | 16 g   |

Applications are spread in all the multicavity segments: medical, personal care, packaging, electronic.



Easy maintenance and great reliability. Tip assembling from the parting line, 1 screw per each tip block.



Individual consulting is essential for the smooth functioning of the application. Contact us and benefit from our 50 years of experience.

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