



NEXT GENERATION SIDE GATING.

Simultaneous direct side gating solution of up to 16 cavities per Cube for high cavitation molds. Perfect for deep draw Medical parts such as pipette tips, syringe barrels, needle shields or parts where only side gating is permitted.

KEY FEATURES

UNIQUE DIRECT SIDE GATE CUBE DESIGN

- Eliminates wasteful sub-runners and enables up to 43% higher pitch density than some competitive circular systems.

ENGINEERED WITH UP TO 4X MORE GATES PER CUBE

- Enables smaller, more compact mold bases than competitive side gating solutions.

SYMMETRICAL GEOMETRY

- Excellent vestige control, low pressure drop and precise cavity-to-cavity rheological balance (5% variance @ 90% fill).

SPECIALIZED DUAL GATE SYSTEM AVAILABLE

- Improved balance and faster cycle time.

PATENTED SLIDING TIP ARRANGEMENT

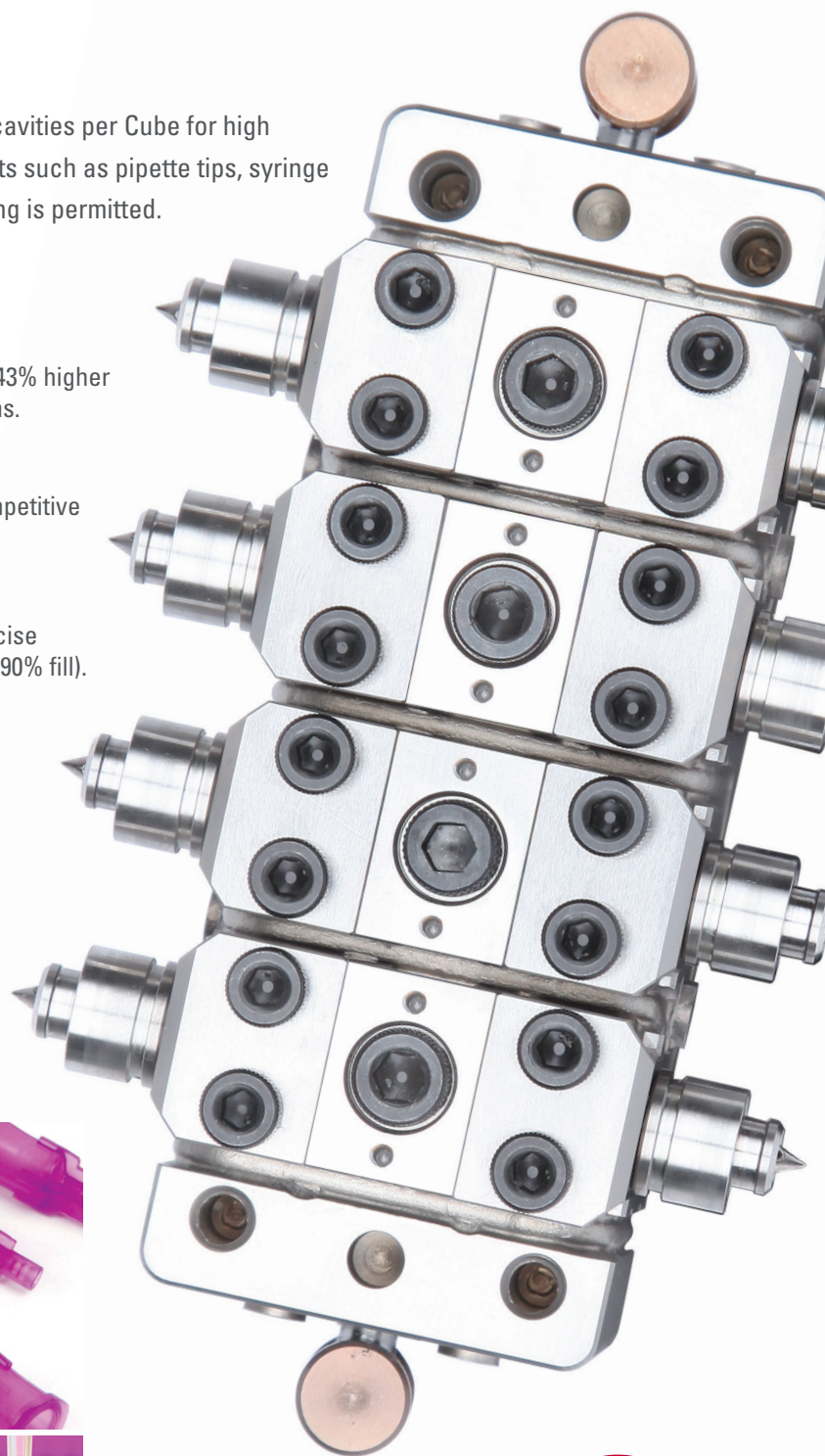
- Superior leakage protection maintaining tip/gate concentricity regardless of liner pitch spacing.

REMOVABLE TIPS

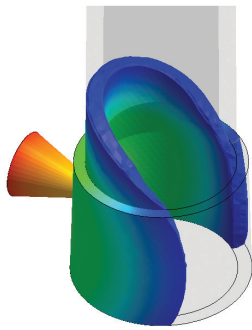
- Easily maintained in the press from the parting line.

INDIVIDUAL CAVITY SHUT-OFFS

- Ultimate control.

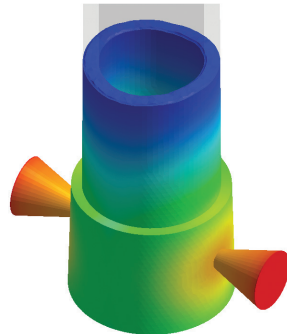


DUAL GATE MELT-CUBE SYSTEM



Single Gate

This part, fed on one side, shows asymmetrical filling and packing.

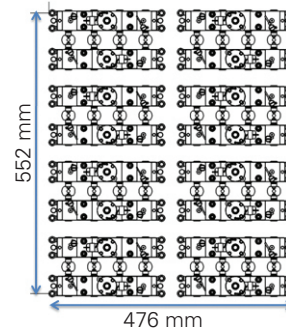


Dual Gate

This part was fed on both sides, resulting in symmetrical filling and packing.

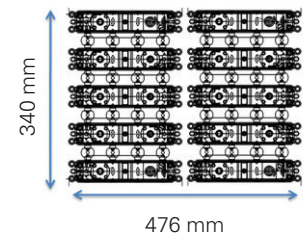
DUAL-GATE CAPABILITY OFFERS:

- Symmetrical fill and packing
- Improved balance
- Faster cycle time




38% mold area reduction*

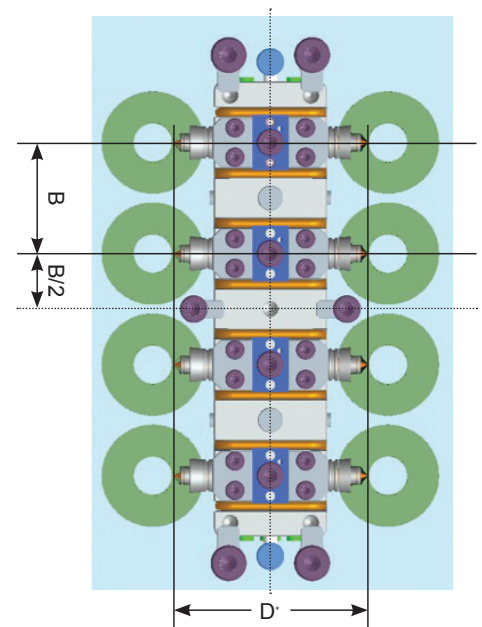
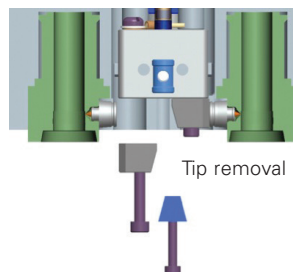
*vs. single gate Melt-CUBE design



SPECIFICATIONS AND MEASUREMENTS

	MAX PART SIZE	PITCH VALUES "B" (mm)
Standard Melt-CUBE		
2-Cavity	10 g	N/A
4-Cavity	10 g	40, 50
8-Cavity	10 g	20, 30, 40, 50
16-Cavity	10 g	20, 30
Dual Gate Melt-CUBE		
8-Cavity	20 g	30, 40, 50

TIP ANGLE (from horizontal)	TIP TO TIP "D" (mm)
Standard and Dual Gate	
0	70.00
15	63.46
30	64.29
45	61.20
60	57.74



TempMaster™ series

For peak performance and superior results, Mold-Masters recommends using TempMaster M1 or M2 controllers with all side gating methods.