Elimination of unstable elements of check-ring Unique measuring system that prevents resin backflow

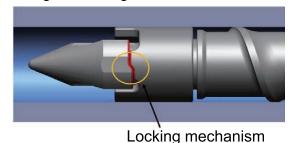
SRC-Ⅲ (Super Resin Control)

Concept

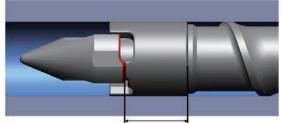
- By mechanically in active the check ring, unstable factors (difference in closing time) during injection can be eliminated.
- By preventing resin backflow during check-ring in active, repeatability of filling amount and filling pressure during continuous molding is improved.



During measuring







After measuring with SRC-III

Hold the ring position by the straight aria of ring-head (locked state).

Features

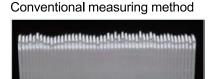
- After the resin metering operation is complete, the screw rotates slightly in the opposite direction, which activates the locking mechanism and eliminates any instability.
- By adding an operation program and changing to 3 check parts specifically for SRC-III, it can be installed on standard machines as well.

Advantage

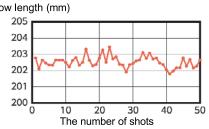
 Compare the stabilization of measured density using flow length by injecting with a constant stroke without holding pressure control.



[Molding: Bar-flow, Resin: GP-PS]



 \bar{X} =202.5mm R=1.67mm



 σ =0.3496mm R/ \overline{X} =0.825% Flow length (mm)





 \bar{X} =202.8mm R=0.21mm σ =0.0511mm R/ \bar{X} =0.104%

SRC-III measuring method

