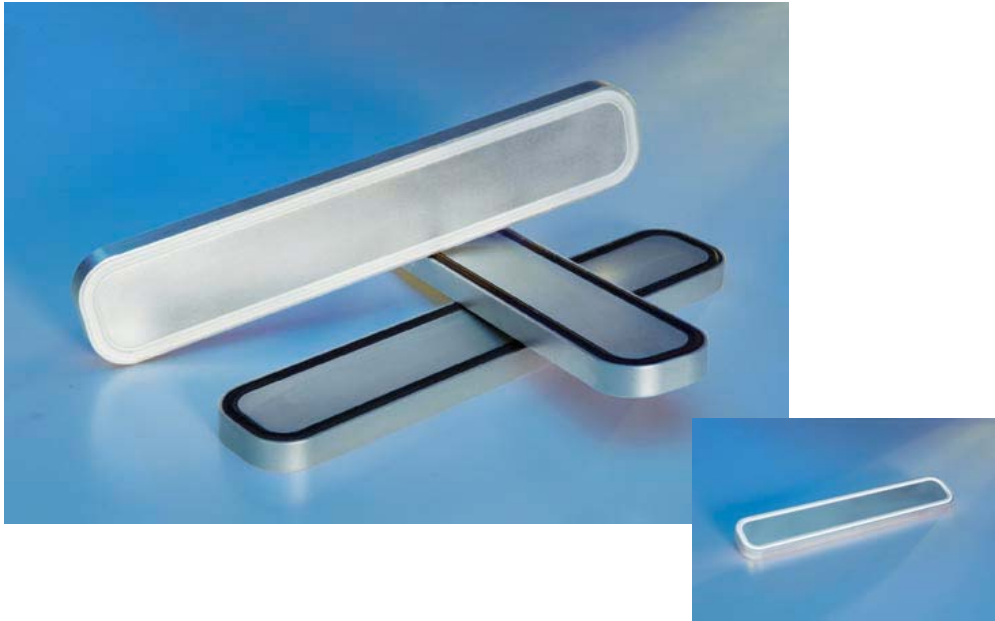


Bonded Gates

Features

- Unique manufacturing process: seal profiles are bonded directly to the process chamber gates
- Special seal cross-section design allows cushioning without metal-to-metal contact
- Allows for less seal movement reducing contamination in process
- Available in a wide range of compounds to suit the particular process



Benefits

- Eliminates rolling, twisting and the abrasion associated with seal movement during gate operation of standard O-ring/groove designs
- Eliminates costly premature seal failures due to seal "pop-out" which can occur when the gate is actuated to transfer product
- Bonded gates have extended service life over O-ring/groove designs, which can extend periodic maintenance cycles and allow for more tool "up-time"
- Avoids expensive machining of standard or dove-tail shaped O-ring groove
- Avoids substrate metal particle contamination
- Due to the dynamic nature of gate applications, O-ring/groove designs require a very tight fitting O-ring to prevent premature "pop-out." These O-rings are often very difficult to install and, if installed incorrectly, perform poorly and cause unscheduled maintenance and possible loss of product. Simrit bonded gates eliminate this installation issue.

Pub#BGATES
© Copyright FNGP 2007