







requirements have to meet by a Hygienic Design component



indicator and actors

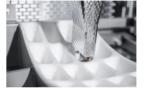


































avoiding contamination before it occur?





Solution: intelligent motion controlled by special software modules







Target application:

Food&Beverage Fill- and Seal machinery e.g. filling of dairy in cups or glasses

Pharma Filling of liquid pharmaceutical into ampule

stop-start Application:
slow acceleration/deceleration to avoid spill over
→ increased cycle time, lower productivity





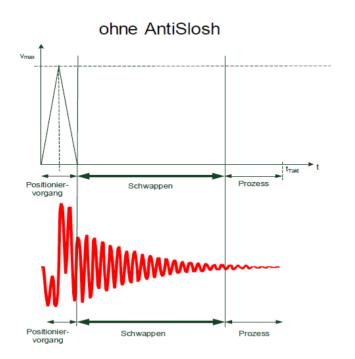


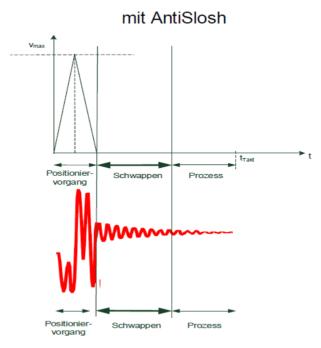






Softwaremodul Anti-Slosh: Fast reduction of swinging liquid/fluid to a minimum by a special control of motion





analyzing of liquids and container shape by determining

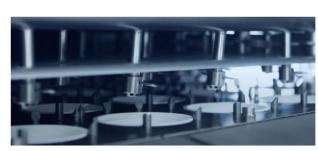
- inherent frequency
- rate of damping

avoiding spillover

- reduced contamination and cleaning effort
- shorten cycle time
 - increasing machine output









Softwaremodul Anti-Slosh: Fast reduction of swinging liquid/fluid to a minimum by a special control of motion

.....Video....

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