



## HIGH-VOLUME DISPENSING TECHNOLOGY FOR EV & HEV

Liquid and thermally conductive materials provide effective heat dissipation and thermal management in electronic devices such as circuit boards, battery systems in H/EV (hybrid and electric) vehicles or consumer electronics. The application of these highly viscous materials makes special demands on the material preparation and feeding as well as the dispensing technology.

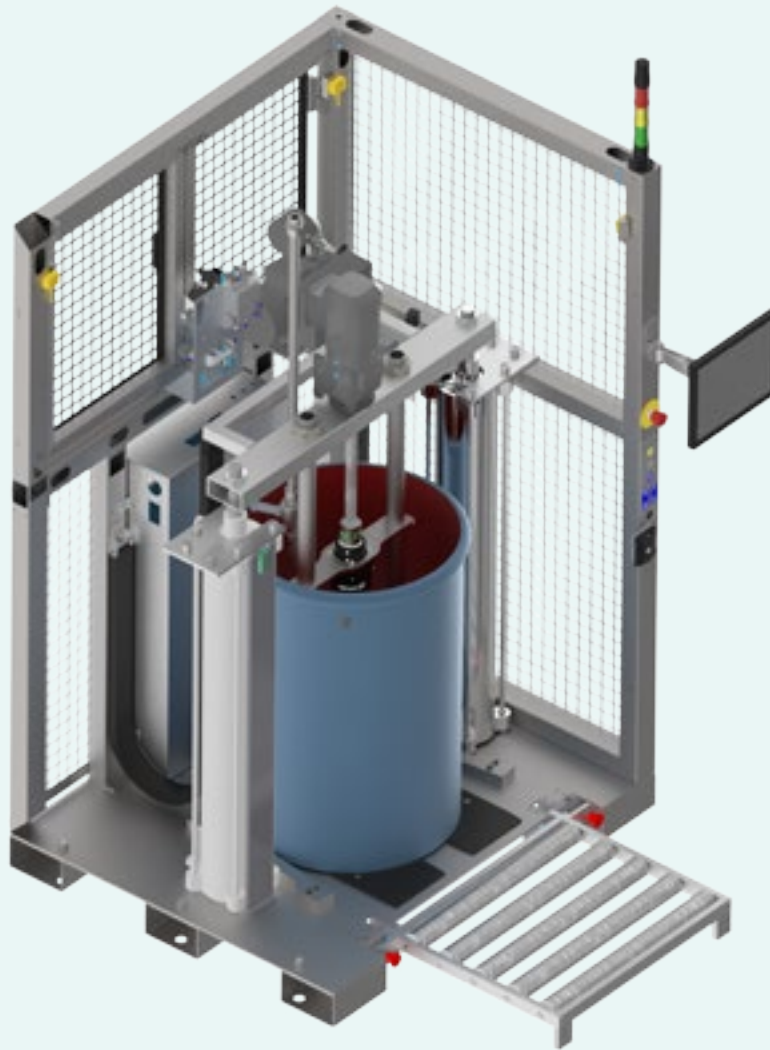
The combination of the material **Drum Preparation System (DPS)** with the **Duplex<sup>+</sup> Multi-String<sup>®</sup>** mixing system enables material preparation from large drums for high dispensing rates.



DISPENSING  
IMPREGNATION  
PLASMA  
HOT RIVETING  
AUTOMATION

# APPLICATION OF THERMALLY CONDUCTIVE

## DRUM PREPARATION SYSTEM (DPS)



### ADVANTAGES

- > Large volume feeding system for longer production times
- > Suitable for high viscosity to paste-like materials
- > Safe drum change process with automatic bleeding
- > Quick and easy handling
- > Meets highest safety requirements

### CHARACTERISTICS

- > Variable follower plate diameter
- > Suitable for different drum sizes
- > Foldout tray for drums
- > Vacuum unit for void-free drum change
- > Process, product and machine data monitoring
- > Complete housing for user safety

# VE MATERIALS OR GAP FILLER

## STATIC MIXING



### ADVANTAGES

- > High-mixing quality even with difficult mixing ratios
- > No cleaning process required
- > Minimal footprint
- > Reduced weight

### CHARACTERISTICS

- > High viscosity to paste-like medium
- > Filled and unfilled materials
- > Abrasive and non-abrasive fillers

The application of thermally conductive materials or Gap Filler calls for high-dispensing volumes as well as a robust mixing and a precise dispensing system. A combination of our drum preparation system (DPS) and the static mixing Duplex<sup>+</sup> Multi-String<sup>®</sup> technology offers both.

More material per drum means longer production times and less time of drum change. A safe drum change process with automatic bleeding guarantees minimum downtimes. For high-dispensing volumes, we recommend a drum preparation system for each component and two or more mixing systems side by side.

Customized to your individual requirements we offer the optimal solution from the material preparation over manual work places up to fully automatic production lines. Our long experience as a manufacturer of dispensing machines guarantees you the highest process stability and quality.



(Errors and changes reserved, as of April 2018)

- > Service hotline (German/English/French)
- > Response service MO - FR
- > Spare parts service
- > Service and maintenance
- > Process and component optimization in internal development areas
- > Trials and development in well equipped technical center
- > Trainings for machine user, machine setter and maintenance personnel
- > Workshops for machine user, machine setter and maintenance personnel

bdtronic GmbH  
Ahornweg 4  
97990 Weikersheim  
Germany

T +49 7934 104 - 0  
F +49 7934 104 - 372  
sales@bdtronic.com  
www.bdtronic.com



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