

# The efficient system against bridging

## Function and Construction

With its aBP-Module® NETZSCH provides the solution to bridging. This system, available for the revised pump series BF / SF ensures continuous conveyance of your medium, no matter how.

aBP stands for

a  
synchronous  
B  
ridge  
P  
reventing

### Function

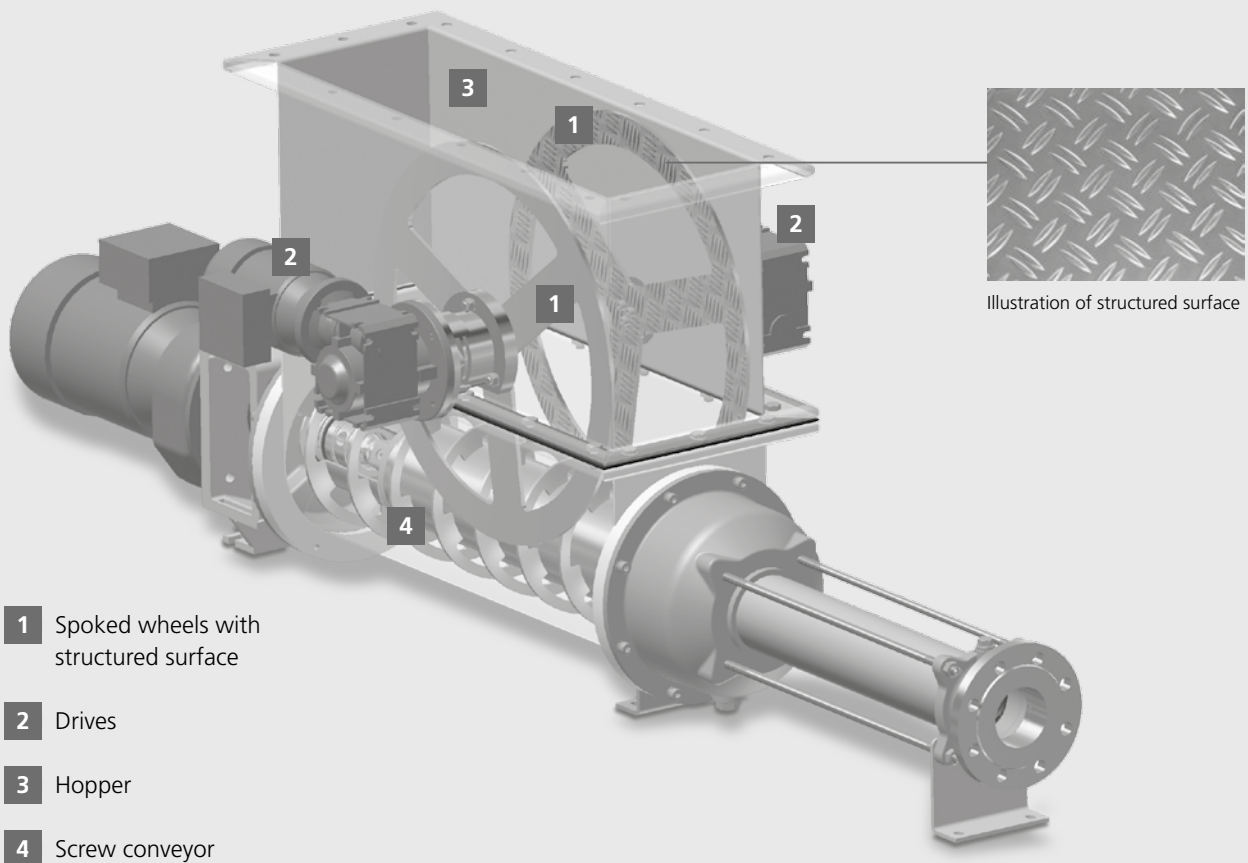
The aBP-Module® consists of a top hopper with two inner spoked wheels. The spoked wheels are located close to the hopper walls, creating the effect of "moving hopper walls" which impart a shearing effect in the medium. The speed difference of the spoked wheels, which is independently adjustable, creates the required shearing effect, thereby reliably preventing bridge building inside the hopper. The structured surface of the spoked wheels further supports product agitation.

### Advantages

- No bridge building
- High operational safety
- Ideal adjustment of the differing speed of spoked wheels to the characteristics of the conveyed media
- Optimal filling of screw conveyor
- Reliable product feeding towards screw conveyor
- Safe measuring and controlling of filling due to free shaft centre
- Compatibility with all NEMO® pumps of series BF / SF
- Retrofittable without modification of pump
- Sturdy construction
- Maintenance friendly



## Example of a NETZSCH aBP-Module®



- 1** Spoked wheels with structured surface
- 2** Drives
- 3** Hopper
- 4** Screw conveyor

### Further characteristics

Material	Stainless steel 1.4301
Shaft Sealing	Packed stuffing box
Drives	<ul style="list-style-type: none"> <li>■ Two independent drives with screw gears, speed control by a frequency inverter</li> <li>■ Independent from pump speed</li> <li>■ Optional drive direction</li> </ul>
Series	<ul style="list-style-type: none"> <li>■ Series BF / SF</li> <li>■ Sizes NM045 to NM090</li> <li>■ Optional hopper length</li> </ul>