

**HAYER & BOECKER**



**DIE DRAHTWEBER**



**INNOVATIVE ULTRASONIC CLEANING  
AND DOSING.**

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# ULTRASONIC CLEANING AND DOSING IN A DIFFERENT WAY...

...efficient, low-noise and  
reliable... all at once!

for:

- Tanks
- Silos
- Feeders
- Hoppers
- Pipes
- Deflectors



Unique cleaning results...

Bulk solids can adhere to the inner silo wall and reduce the material flow because of bridging close to the outlet.

For a better separation and conveying of bulk solids in silos ultrasonic excitation with frequency variation is a proven, gentle and efficient method.

Ultrasonic excitation reduces friction between material and inner wall, without compacting or separating the material.

- No more noise protection needed, as tapping of tubes is no longer necessary
- No breakdown caused by wear of moving mechanical components
- No cracking in hopper walls and tubes through mechanical impact
- Easy installation by welding a curved waveguide to critical zones
- Low space requirements thanks to small components
- No need to strengthen the walls and floors of building zones
- Separation of bulk solids provides an even mass flow
- No or only minor dust formation
- Controlled dosing through integrated pulse function

The ultrasonic excitation with frequency variation is particularly suited for wall thicknesses of 2-3 mm.

However, it can also achieve positive effects when using it for bigger wall thicknesses, provided that the material has good free-flowing properties and tends not to agglomerate.

Any questions?  
Please contact our ultrasonic specialists!

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