

# YSTRAL TDS-Induction Mixer

Here no dust can occur at all

## Dust reduced induction, suspending and dissolving of powders in liquids

YSTRAL TDS-Induction Mixers induct powders, liquids or gases below the level of the liquid and simultaneously homogenise the whole contents of the vessel.

The vacuum required for the induction is built up in the mixing head. The machine can be installed onto the top of a vessel by means of a flange or a traverse. As an alternative, the TDS-Induction Mixer can be attached to a lifting frame.

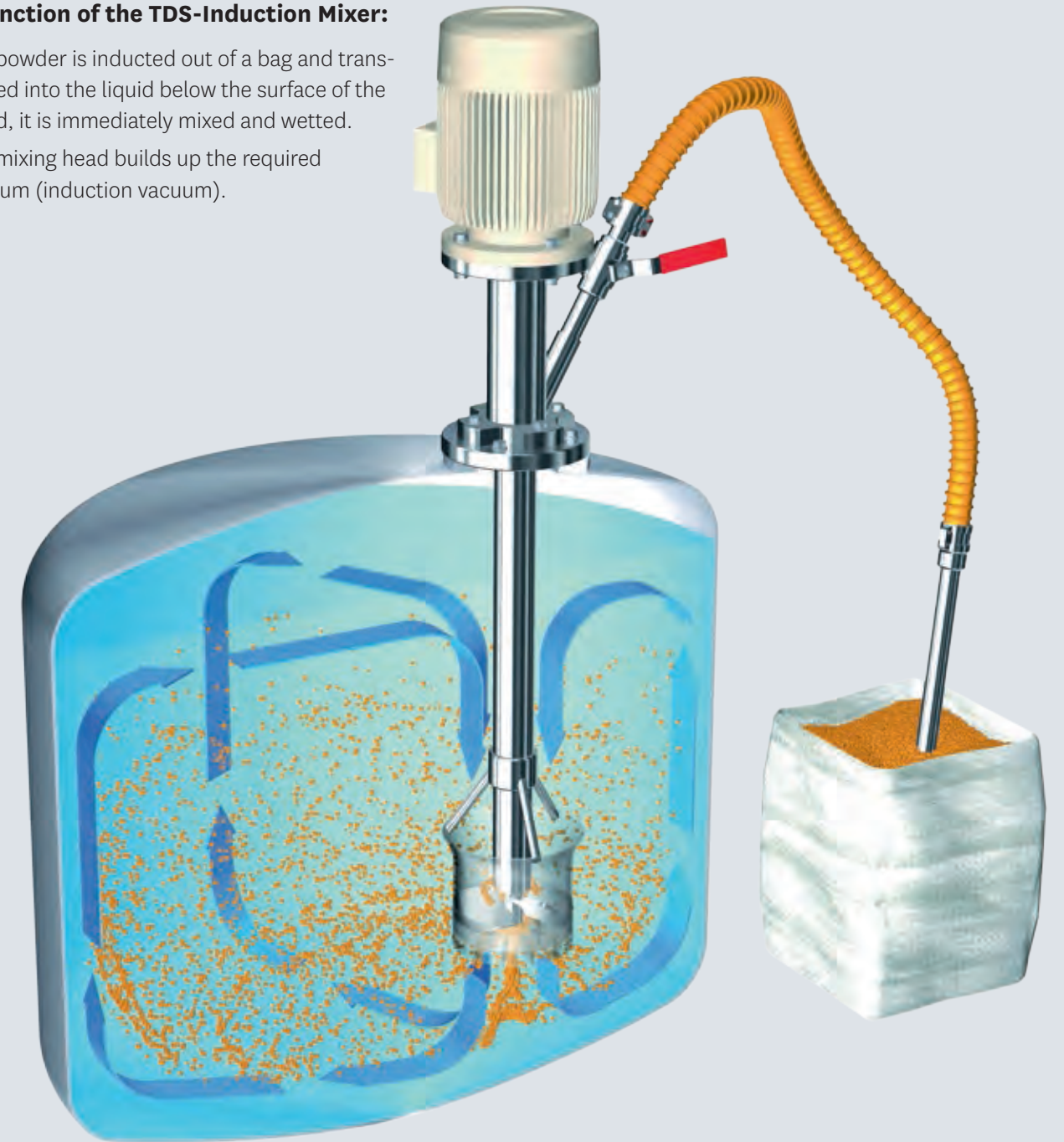
## The essential advantages:

- Induct powder dust-free into a liquid, mixing and suspending with one machine
- Dust pollution during powder induction directly out of a paper sack is avoided
- Effective micro and macro mixing of the whole contents in the vessel with simultaneous powder induction
- Complete exchange of all materials and homogeneity over all the levels in the vessel because of the Jet-stream mixing principle
- Even liquids and gases may be inducted
- Immediate wetting below the level of the liquid
- No sticking of product to the wall of the vessel or installed devices
- No free running shaft and mixing tools



## The function of the TDS-Induction Mixer:

- The powder is inducted out of a bag and transported into the liquid below the surface of the liquid, it is immediately mixed and wetted.
- The mixing head builds up the required vacuum (induction vacuum).



## Technical Data

<b>Power</b>	1,5 – 25 kW
<b>Voltage</b>	230 / 400 V, 50 Hz, special voltages
<b>Speed</b>	1.500 / 3.000 min <sup>-1</sup> , infinitely variable speed up to 3.600 min <sup>-1</sup> with a frequency converter
<b>Bearing flange</b>	coated aluminium, stainless steel 1.4404 (AISI 316 L)
<b>Submersed parts</b>	stainless steel 1.4404 (AISI 316 L), special materials
<b>Seal</b>	Lip seal, mechanical seal single or double action depending on operational conditions
<b>Options</b>	explosion proof execution, certifications, qualifications

