

YSTRAL Conti-TDS

No. 1 in powder wetting

Induction of powder, wetting and dispersing – with the YSTRAL Conti-TDS

Dust- and loss-free powder container emptying, powder transporting and then wetting and dispersing down to a complete des-agglomeration are realised within a single machine – the YSTRAL Conti-TDS.

Powders are not only wetted but dispersed into a liquid under vacuum. The formation of agglomerates is avoided. Higher efficiency incorporation of the raw materials and a better quality of the products are the natural result.

The combination of processing steps in one machine results in an enormous potential for process rationalising.

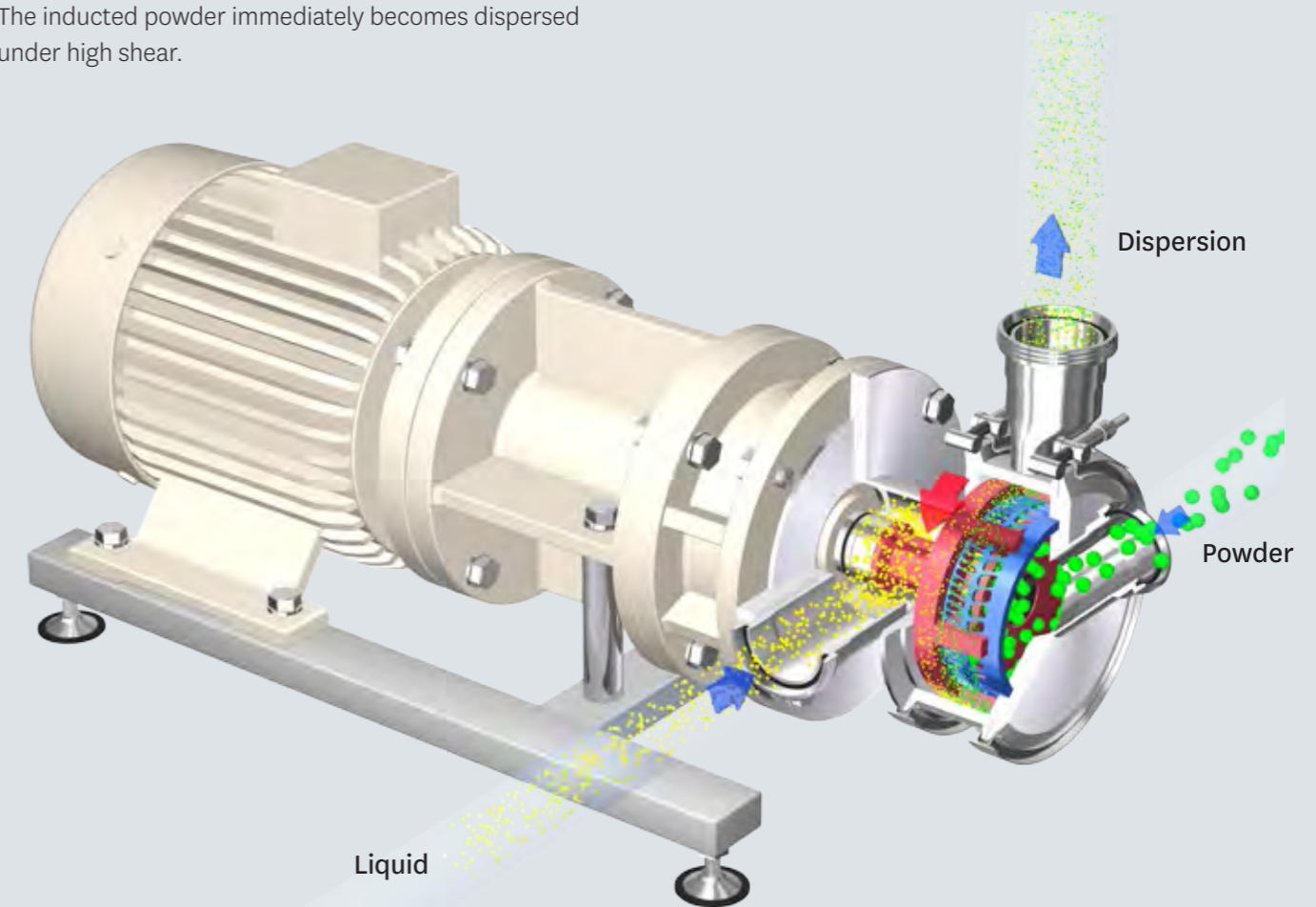
The essential advantages:

- Production times are minimised
- Partial processing steps are completely eliminated
- Cost of production is reduced
- Clean process due to dust- and loss-free powder induction, even for difficult to wet, sticky or dusty powders
- Induction and dispersing of powders directly from silo (with intermediate buffer), Big Bag, hopper, sack, barrel, etc.
- No adhesion to the vessel or installed components
- Fast and reproducible adjustment of the products due to an immediate and complete incorporation of the raw materials
- No induction of false air – powder transportation under vacuum in the dense phase



The function of the YSTRAL Conti-TDS:

- The YSTRAL Conti-TDS is based on the principle of an YSTRAL Inline dispersing machine.
- A special rotor-stator-system builds up a high vacuum and inducts powders dust- and loss-free directly into the liquid.
- The inducted powder immediately becomes dispersed under high shear.



Technical Data

Power	5,5 – 250 kW
Voltage	230 / 400 / 500 V, 50 Hz, special voltages possible
Speed	1.500 / 3.000 min ⁻¹ , Infinitely variable speed up to 3.600 min ⁻¹ with a frequency converter
Dispersing chamber	stainless steel 1.4404 (AISI 316 L), special materials, tools exchangeable, fast clamping system
Flow rate for liquids	10 - 200 m ³ /h
Induction speed	for powders up to 24 t/h
Maximal viscosity	200.000 mPas (depending on size and use of the machine)
Seal	configuration depending on operational conditions
Options	explosion proof execution, certifications, qualifications

