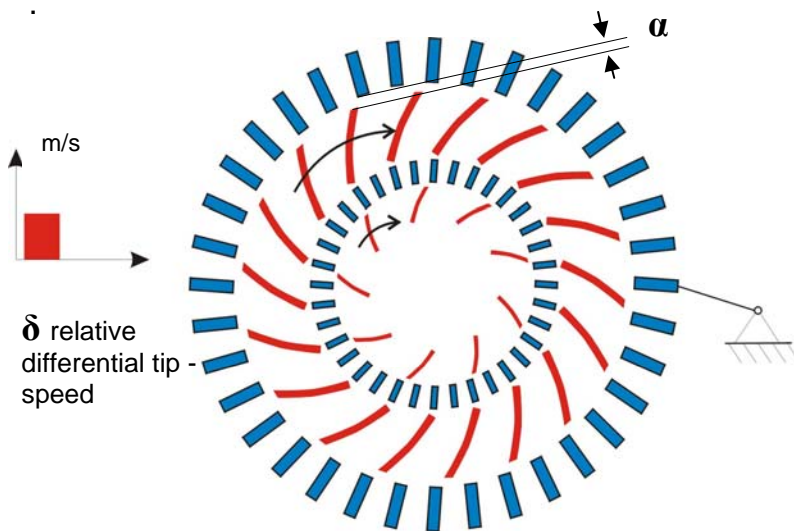


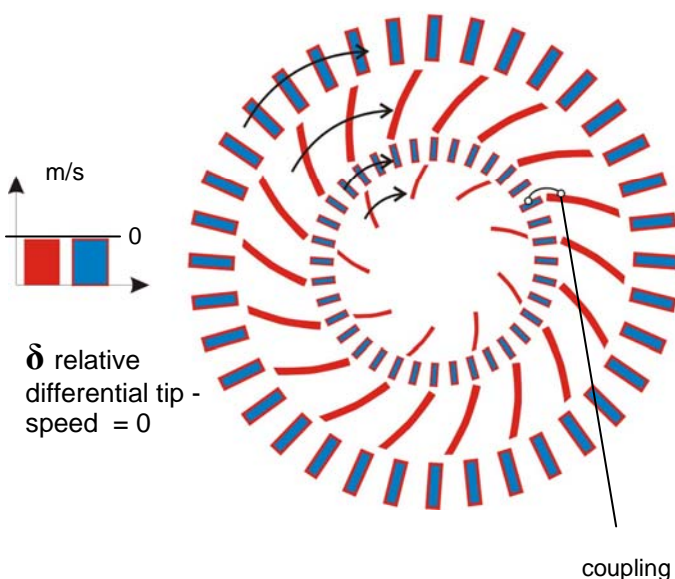
Tandem - Homogenizer

The HEBOLD- Tandem-Homogenizer working according to the rotor-stator principle can operate in two different modes: **1. Normal -** and **2. Tandem - Mode**



1. Normal-Mode

By means of the differential speed δ between the rotor and the stator high shear forces are created for intensive mixing and dispersing. Highest shear forces are found mainly in the annular gap between the rotor and stator tooth's with the constant size α .



2. Tandem- Mode

The stator is taken with the rotor. They have the same tip-speeds due to no relative differential speed ($\delta = 0$). The homogenizer can handle very shear-sensitive phases or product very beneficial for e.g. :

- Complete pumping for better discharge or/and cleaning
- no destruction of particles (e.g. colour-, taste- perls)