



# 500-1500 High speed Mixer



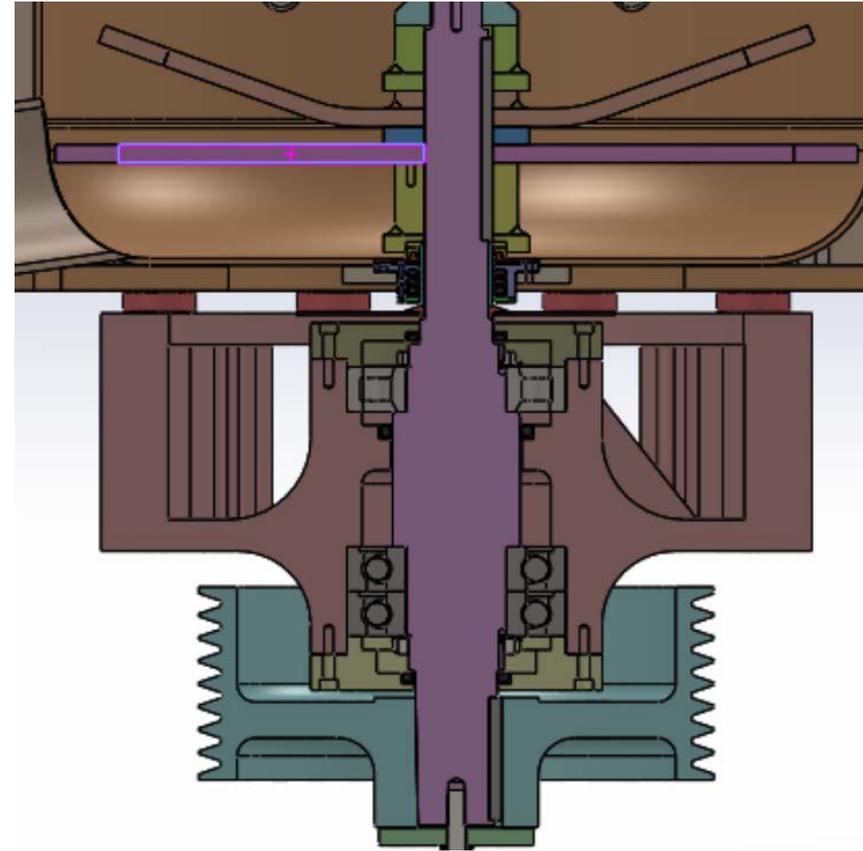
2020-09

- ◆ **High speed mixer: 99kw supper efficient permanent magnet synchronous motor, high speed section of blade 810rpm, four blades, the maximum mxing capacity of each pot 220kg**
- ◆ **Cold mixer: 22KW AC asynchronous motor, pulley drive, blade speed 88 rpm**

- ◆ If high speed mixer motor power under the same conditions, it is high output;
- ◆ High speed mixer energy saving effects is remarkable;
- ◆ Blade adopts special multi-channel spraying process, special design structure, fast heating up, high wear resistance;
- ◆ High speed mixer discharge adopts motor current + time dual mode control, discharge control is accurate
- ◆ High speed mixer discharge valve adopts double cylinder structure, valve switch is reliable.
- ◆ Cold mixer adopts pulley drive, wear-resistant SPB belt, low failure rate

# feature 1: High yield

**High mixer adopts high torque synchronization (motor power 99kw) + specially constructed blade + high load bearing group, light calcium content of 5 parts, high mixing temperature set 120 degrees. The output of 2.0 tons/hour, the market similar mixing machine similar formula capacity of about 1.1 tons/hour**



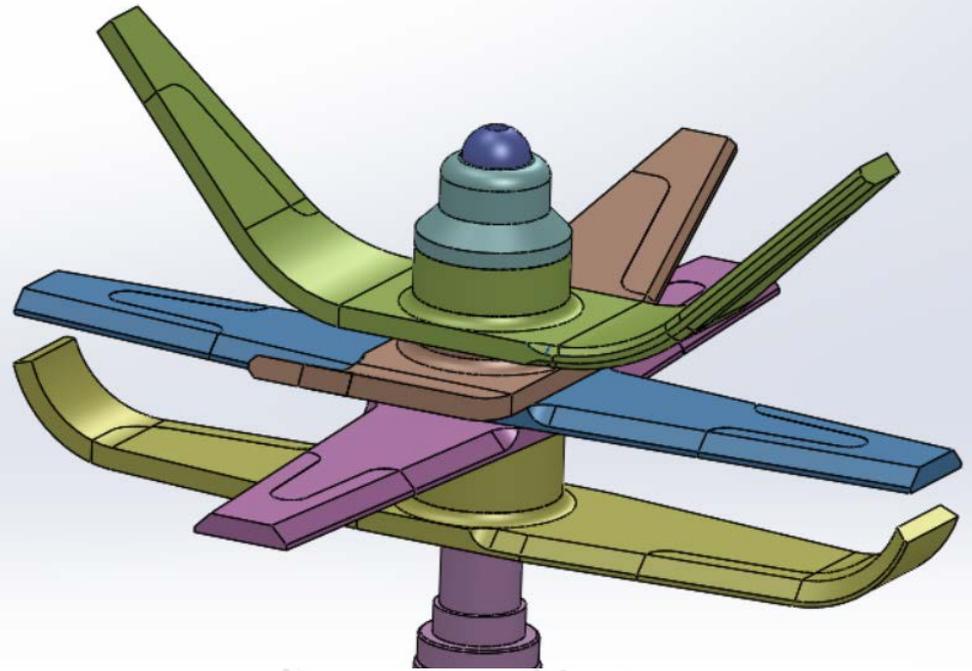
## feature 2: High energy saving



**High mixing machine adopts super efficient permanent magnet synchronous motor, in the production of water supply formula, unit energy consumption is 30 kwh/t. At present, the unit energy consumption of similar formula of similar mixer on the market is grater than 42 kwh/t, and the maximum energy saving is more than 28%. High mixing motor is very strong overload capacity, the working system is specially designed into S6 working system according to the working cycle characteristics of the mixing machine, and the overload capacity reaches 1.6 times!**

## feature 3: Paddle durable

Mixer paddle surface using multichannel sintering spraying process, the paddle's wear-resisting is long, for the formula with less than 40 pieces of calcium power, the paddle of mixer can be used for more than 3 years (light calcium, tungsten carbide process, is still in normal use, and in the past few months, we have test multiple processes except the tungsetn carbide, which is used in the drainage of high calcium occasion, we will observe the wear degree every few months



# feature 4: High speed mixer discharging precise control

LIANSU

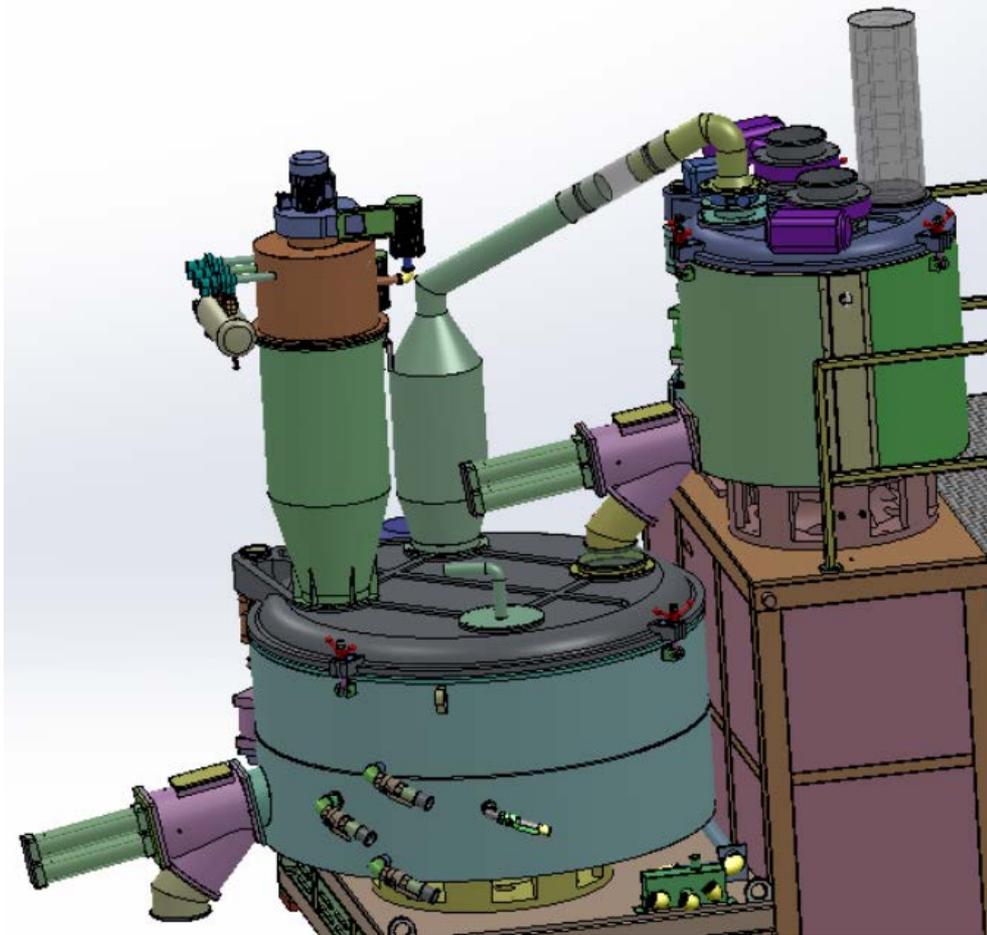
LIANSU

LIANSU

LIANSU

LIANSU

The motor of high mixer is 99 Kw, but the no-load current with paddles is only 5A (the no-load current of siemens 90KW asynchronous motor is more than 50A). The discharging proceduce control of high mixer adpots the control mode of time + motor current, which not only controls accurately, but also greatly saves the mixing time(the discharging time is only 30 seconds now).



# feature 5: Discharge valve of high mixer is reliable

LIANSU

LIANSU

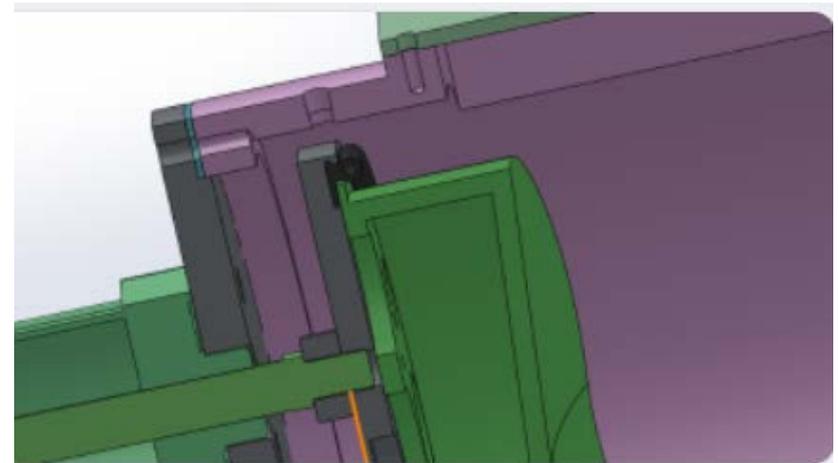
LIANSU

LIANSU

LIANSU

LIANSU

LIANSU



**The discharging valve of high mixer adopts double cylinder control to ensure smooth discharging and closing**

# feature 6: Cold mixing high efficiency

LIANSU

LIANSU

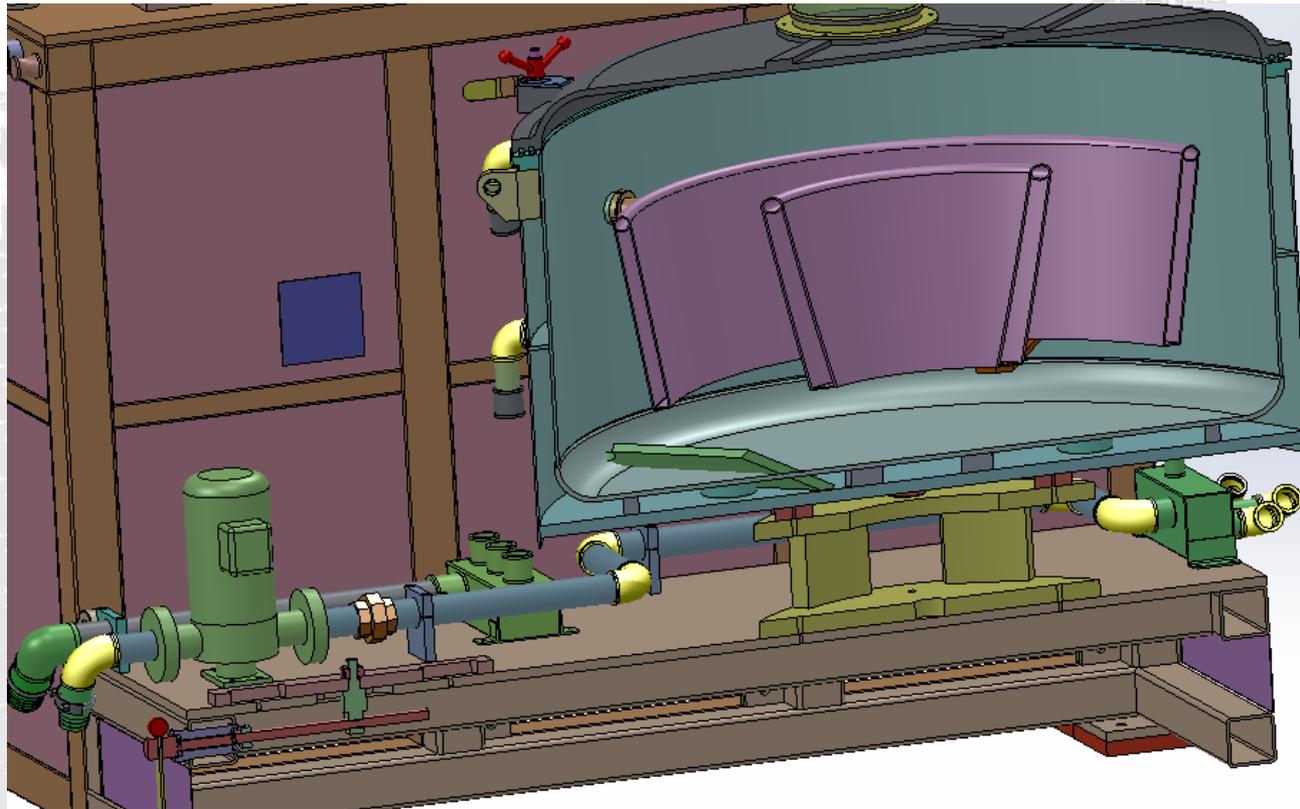
LIANSU

LIANSU

 LIANSU

LIANSU

LIANSU



- 1. Cylinder out wall connecting water;**
- 2. Inside have double water rings;**
- 3. Forced cooling water pump with high water pressure cooling**

# feature 6: Cold mixing high efficiency

LIANSU

LIANSU

LIANSU

LIANSU

 LIANSU

LIANSU

LIANSU

2020年7月8日下午14: 00-17: 30

水温:入水20℃, 出水21℃

水流量: 20m<sup>3</sup> /h

水压2. 0mpa

混料量: 195kgPVC 10kg稳定剂

大小水环都开, 热混124℃, 热排60S, 冷混70℃时100S, 冷混65℃时150S, 冷混60℃时200S ,冷排60S

关掉小水环, 热混124℃, 热排60S, 冷混70℃时145S, 冷混65℃时190S, 冷混60℃时230S ,冷排60S

2020年7月10日下午14: 00-17: 30

水温:入水30℃, 出水33℃

水流量: 19m<sup>3</sup> /h

水压2. 0mpa

混料量: 195kgPVC 10kg稳定剂

大小水环都开, 热混122℃, 热排60S, 冷混70℃时160S, 冷混65℃时200S, 冷混60℃时250S ,冷排60S

关掉小水环, 热混122℃, 热排60S, 冷混70℃时170S, 冷混65℃时210S, 冷混60℃时270S ,冷排60S

- 1. Frequency converter “through the wall type” installation, heat dissipation effect is good.**
- 2. Heat mixing approximate ‘ constant current’ mode control, fast heating.**
- 3. Hot mixing motor and frequency conversion protection effect is good, when the external load increase a lot, the generator will actively reduce the load, the current will remain below the protection point and will not rise.**
- 4. Color 10” touch screen + PLC control, reserved TCP/IP ethernet communication interface, open the data port, convenient information data collection.**