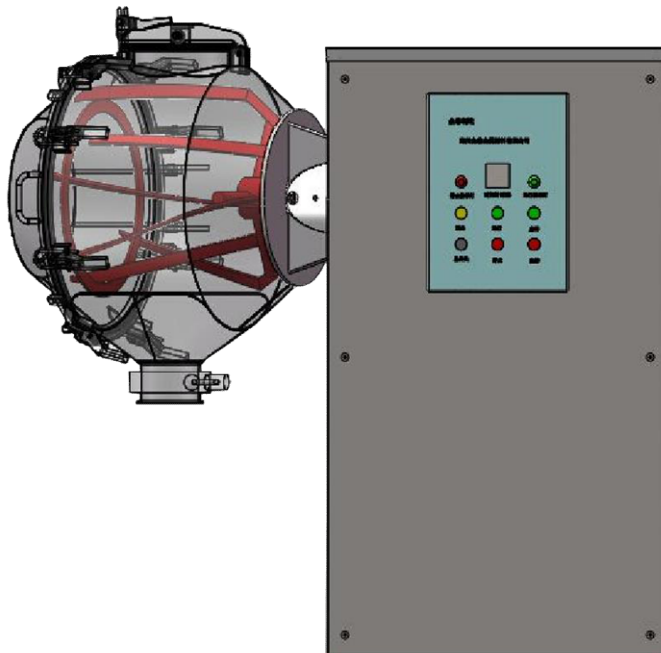


## HIGH EFFICIENCY DOUBLE MOVEMENT BLENDER

FY series - Food & Additives



Blender patent No: ZL20162013-3  
Revision date: Apr.12, 2023

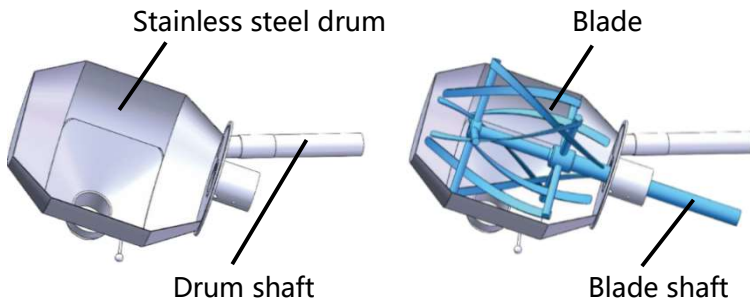


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## WHY FEKMASS BLENDER ?

**Double movement mixing, increase efficiency by 70%.**

**With 80% loading rate, very-high mixing uniformity.**

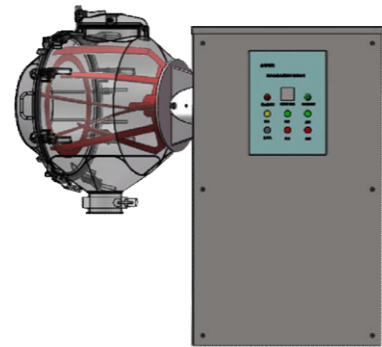


### Our advantages:

- Double movement when mixing
- Special blade design
- Separate rotating for drum shaft
- Separate rotating for blade shaft

### Features:

- Double movement mixing, very-high mixing uniformity
- High efficiency, save 70% mixing time
- High loading rate, 80% of the drum volume
- Meet the request of fine-scale mixing for new materials
- Does not damage the shape of the original particle
- The light powder and heavy powder are easy to mix evenly
- The trace elements are easy to mix evenly



### Compared with other blenders:



V type mixer  
Small volume  
45% low loading rate



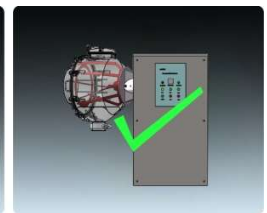
3-Dimensional blender  
Small volume  
40% low loading rate



Single cone mixer  
Volum < 5000L  
60% loading rate



Ribbon mixer  
Bad mixing uniformity  
65% loading rate



FEKMASS FY blender  
Volume up to 8000L  
80% loading rate

## WHAT MATERIALS CAN BE MIXING ?

### Application area & Materials

- Food
- Food additives
- Pet food
- Pharmaceutical
- Pharmaceutical intermediates
- Health products
- Cosmetic
- Pesticide
- Biologicals
- Fertilizer
- Chemicals
- Diamond superhard material
- Dyestuff/Pigment
- Fingernail oil
- Life science
- Environment



## SELECT YOUR SUITABLE MODEL

Model	Drum Volume (L)	Loading Volume (L)	Drum rotation speed (r/min)	Blade rotation speed (r/min)	Motor (Kw)	Dimension (mm)	Total weight (Kgs)
FY-100	100	80	21	46	1.1	1420*600*1050	330
FY-200	200	160	18	39	2.2	1770*780*1330	550
FY-400	400	320	13	27	2.2	1970*825*1620	700
FY-600	600	480	12	26	3	2230*980*1820	1100
FY-800	800	640	11	23	4	2380*1020*1920	1300
FY-1000	1000	800	10	21	5.5	2540*1100*1940	1500

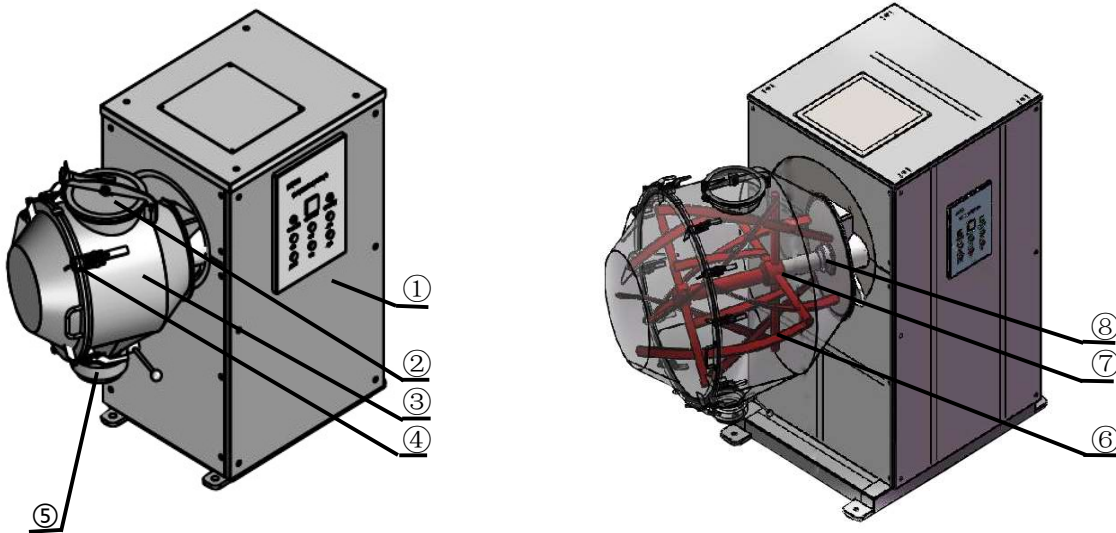
#### Notes:

Above dimensions are for reference only.

Accept custom size and larger size.

## Possible POLLUTION problem of the powders ?

To prevent the pollution of powders when blender running, we made some extremely effective measures.



- ① Blender body ( Mat. SUS304, optional SUS316L )
- ② Feed inlet valve ( Mat. SUS304, option SUS316L, Gasket ring mat. PTFE & Silicagel )
- ③ Blender drum ( Mat. SUS304, option SUS316L )
- ④ Cleaning opening ( Gasket ring mat. PTFE & Silicagel )
- ⑤ Discharge outlet valve ( Mat. SUS304, option SUS316L, Gasket ring mat. PTFE & Silicagel )
- ⑥ Mixing blades ( Mat. SUS304, option SUS316L )
- ⑦ The Gasket ring of joint place of the blade and shaft ( mat. PTFE & Silicagel )
- ⑧ The Gasket ring of joint place of the flange and shaft ( mat. PTFE & Silicagel )

### Remarks:

The material of gasket rings with food and pharmaceutical grade PTFE & Silicagel.

The leakproofness of the gasket ring with very high grade, powders will not leak, other dusts will not enter.

## The CLEANING of the blender drum

Cleaning steps:

1. Open the cleaning opening after the blender shutdown.
2. Spray the inner space of the drum by the water gun with water & little detergent.
3. Blow-dry by dryer with hot wind.



④ Cleaning opening

## AFTER-SALES SERVICE

**Warranty service: 1 year**

**Strong technical team, Professional after-sales service**

**Help you solve any difficulties during the mixing process.**



## CONTACT FEKMASS

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