

LWS500 - FNB

Tricanter centrifuge for food and beverage processing



All advantages at a glance

Applications

The tricanter centrifuge LWS500 - FNB from Huading Separator is designed for food and beverage applications. It is a continuously operating horizontal solid wall centrifuge. It is ideal for use in the food industry in situations where the material being processed has to be separated into light liquid phase, heavy liquid phases and solids phase. In different optimized executions it is used

for a large number of duties, from handling separation of fish press liquid, stick water and extracts, and on the other hand purification of fish oil and liver oil, animals fats, peel oil and similar products.

Features

- All parts coming into contact with the product are made of s.s.1.4301 UNS 30400
- 3-phase AC motor for controlled torque starting via frequency converter
- Lowest power consumption



HUADING SEPARATOR

- Highest g-force for higher solids output
- Adjustable bowl speed via VFD
- Automatic adjustment of differential speed via VFD
- Two motor drive
- Belts for both primary motor and secondary motor

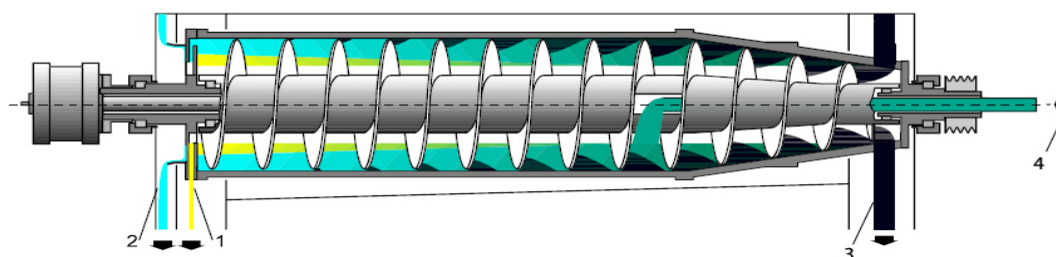
Auxiliary equipment (at extra cost)

- Control unit for automatic operation
- Bearing temperature monitoring
- Vibration control
- Automatic grease lubrication
- Set of spare parts
- Expand joint
- Replaceable solids discharge port

Advantages

- High ratio of length to diameter
- Easy installation
- Easy operation and maintenance
- Low space requirement

Operating principles and constructional features



- 1. Light liquid phase discharge
- 2. Heavy liquid phase discharge
- 3. Solids discharge
- 4. Feeding

Technical data	
Bowl	
Inner Diameter	500 mm
L/D ratio	4.0
Speed	Max.3450 rpm
G-force (Z)	Max.3333g
Comparative capacity	10000L/h
Bowl drive	



HUADING SEPARATOR

No.888#, Yigao Road, Yixing, Jiangsu, 214214, P.R. China

Tel: +86-510-87836501 Fax: +86-510-87832130

info@huading-separator.com www.huading-separator.com



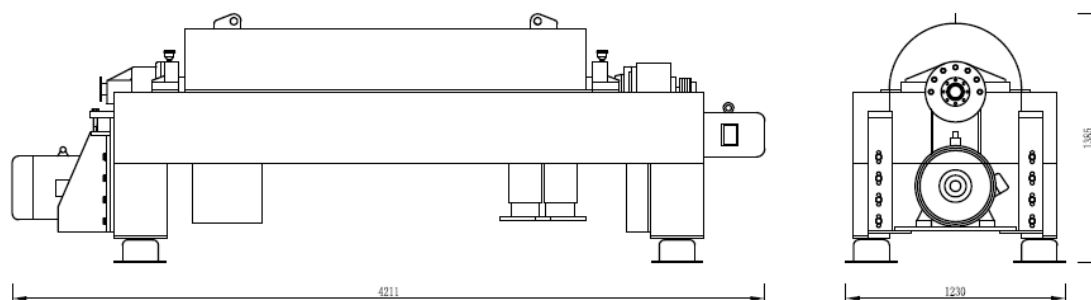
HUADING SEPARATOR

Primary motor	37 Kw / 30 Kw
Motor speed at 50 HZ	3000 rpm
Secondary motor	11Kw / 7.5Kw
Motor speed at 50 HZ	3000 rpm
Shipping data	
Decanter weight	4000Kg
Case dimensions	4500×1200×1500
Shipping weight	Gross 4600Kg

* the actual capacity depend on particle size, content, viscosity .etc

Components	Standard	Option
Bowl and scroll	S.s.1.4301 UNS 30400	-
Liquid outlet	Free	Centripetal pump
Flight hard-facing	Tungsten carbide	Sintered tungsten carbide tiles
Solids outlet parts	Exchangeable	-
Seals,inner bearings	NBR	P.T.F.E / viton
Drive	Two motor drive	Fixed differential speed
Solids discharge	-	Upon request
Solids chute	-	Upon request
Liquid chute	-	Upon request

Dimension



Huading Separator reserves the right to change specifications without prior notification.



HUADING SEPARATOR

No.888#, Yigao Road, Yixing, Jiangsu, 214214, P.R. China

Tel: +86-510-87836501 Fax: +86-510-87832130

info@huading-separator.com www.huading-separator.com