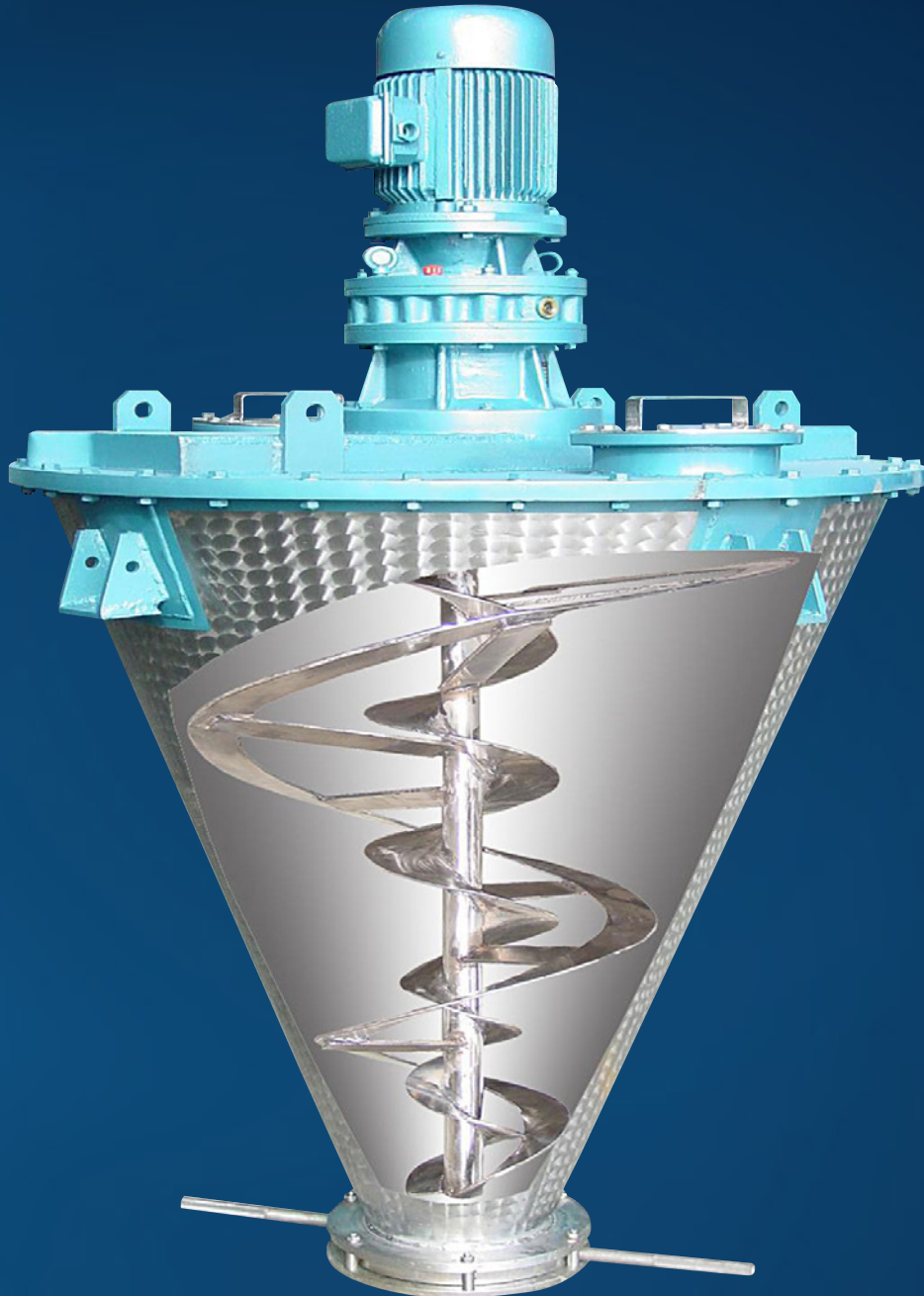




Conical Ribbon Mixer

Powder & Liquid Mixing Solution



Bradwood Packaging Offers Complete Bulk Materials Handling, Filling, Packaging & Weighing Solutions



Conical Ribbon Mixer

Introduction

Conical Ribbon Mixer consists of a transmission device, taper cylinder, outer ribbon mixer, inner reverse screw mixer and discharge valve. It is a new design for viscosity material. The material circles and rises under the operation of the outer ribbon mixer, while the inner reverse screw presses down the material along the shaft, which finishes the mixing. With a long force arm and weak

Clients Include:

- ▶ Cement Australia
- ▶ C-Mac Renders
- ▶ CTA Australia
- ▶ Incitec
- ▶ Kiala Pure Foods
- ▶ Parex Davco
- ▶ Sika



- ▶ Bradwood Packaging uses universal and industrial components to give the machinery extra long life cycles. The way machinery should be built (this way you're not locked into expensive proprietary systems).
- ▶ **Manufactured to comply with Australian and International Machine Safety & Electrical Standards.**
- ▶ Bradwood Packaging prides itself on providing plain English proposals, there's no hidden surprises. You'll know what you're getting.
- ▶ **Bradwood Packaging manufactures complete lines from raw material, conveying, dosing, mixing, packaging through to palletizing.**

What You Get The Conical Ribbon Mixer

1. Standard features

- a. Volume: 100-15000L
- b. Stainless steel or carbon steel
- c. Ribbon & screw agitator for bottom discharge
- d. Designed for normal temperature and normal atmospheric pressure
- e. Feed nozzle
- f. Dust nozzle
- g. Manually operated or pneumatic operated dislocated valve
- h. Packing seal
- i. Safety limit switch on man hole

2. Optional features

- a. Carbon steel, stainless steel 304, stainless steel 316L
- b. Internal pressure
- c. Sanitary type construction
- d. Dislocated calve, butterfly valve, slide gate valve, ball valve
- e. Horsepower to suit higher density materials
- f. Explosion-proof motors
- g. Control such as variable frequency drives, motor starters and operator stations are available
- h. Spray nozzles for liquid introduction
- i. Jacket for heating or cooling

Advantages

1. Optimal mixing homogeneity
2. Short mixing time
3. Excellent reproducibility of batch production
4. Minimum wear and low maintenance
5. Easy access to mixer/ Easy to cleaning
6. Low power consumption
7. Wide applications





Conical Ribbon Mixer

Applications

- ▶ Chemical
- ▶ Pharmaceuticals
- ▶ Metal
- ▶ Battery
- ▶ Painting & Pigment
- ▶ Rare Earth

Specification

Model	Total Volume	Effective Volume	Power
LDH-0.1	100L	40-60L	2.2KW
LDH-0.3	300L	120-180L	3KW
LDH-0.5	500L	200L-300L	4KW
LDH-1	1000L	400L-600L	7.5KW
LDH-1.5	1500L	600L-900L	11KW
LDH-2	2000L	800L-1200L	11KW
LDH-3	3000L	1200L-1800L	15KW
LDH-4	4000L	1600L-2400L	18.5KW
LDH-5	5000L	2000L-3000L	22KW
LDH-6	6000L	2400L-3600L	30KW
LDH-8	8000L	3200L-4800L	37KW
LDH-10	10000L	4000L-6000L	45KW
LDH-12	12000L	4800L-7200L	45KW
LDH-12	15000L	6000L-9000L	55KW

Bradwood Packaging Offers Complete Bulk Materials Handling, Filling, Packaging & Weighing Solutions

Photos of Conical Ribbon Mixer





Conical Ribbon Mixer

Factory






Conical Ribbon Mixer

Powder Mixing Data Sheet

Consult with our Bradwood Packaging sales engineers for sizing, correct feeding methods, particle sizes, densities, air pressure, or types of componentry to be used.

We recommend filling out the attached basic data sheet to assist you best with your specific requirements.

 Bradwood Packaging Australian Weighing Equipment Sydney +61 2 8717 3333 Melbourne +61 3 9330 1011 Brisbane +61 7 3423 1388	Date: _____ Quotation Due Date: _____ Name: _____ Company: _____ Phone: _____ Job Reference: _____ QUOTE TO: _____ _____ Phone: _____ Fax: _____	NOTE If there are any Special Fabrication, Structure, Engineering or Testing Requirements, Please Attach Data to This Sheet
	INQUIRY FORM <input type="checkbox"/> Firm Quote <input type="checkbox"/> Budget Quote	

Equipment Data			
Operation condition		<input type="checkbox"/> NPT	<input type="checkbox"/> Vacuum
Design capacity (Kg/batch)			
Bulk Density of final product (Kg/L)			
Start mixer after load		<input type="checkbox"/> Yes	<input type="checkbox"/> No
Power supply(V/HZ/P)		Voltage: _____	Frequency: _____ Phase: _____
Vessel		Design Temp. (°C): _____	Working Temp(°C): _____
		Design Press. (Mpa): _____	Design Press. (Mpa): _____
Jacket	Needed	<input type="checkbox"/> Yes	<input type="checkbox"/> No
	Temperature	Design Temp. (°C): _____	Working Temp(°C): _____
	Pressure	Design Press. (Mpa): _____	Design Press. (Mpa): _____
	Function	<input type="checkbox"/> Heating	<input type="checkbox"/> Cooling
	Way	<input type="checkbox"/> Electric heating	<input type="checkbox"/> External cycle source
	Media	<input type="checkbox"/> Water	<input type="checkbox"/> steam <input type="checkbox"/> heat transfer oil
Liquid addition	Needed	<input type="checkbox"/> Yes	<input type="checkbox"/> No
	Type	<input type="checkbox"/> Manual	<input type="checkbox"/> Mechanical
	How much	Percentage:_____ or Volume:_____ L	
Construction material		Contact area with raw material: _____	Non-contact area: _____
Surface treatment		Jackets: _____	Painting for outside CS part (RAL colour) _____
		Polishing for inside SS part (Grade:_____)	Sandblasting for outside SS part _____
Feeding		<input type="checkbox"/> Manual	<input type="checkbox"/> Mechanical
Discharge		<input type="checkbox"/> Pneumatic	<input type="checkbox"/> Manual <input type="checkbox"/> Electric
Discharge valve		<input type="checkbox"/> dislocation valve	<input type="checkbox"/> butterfly valve
		<input type="checkbox"/> ball valve	<input type="checkbox"/> slide gate valve <input type="checkbox"/> rotary valve

Bradwood Packaging Offers Complete Bulk Materials Handling, Filling, Packaging & Weighing Solutions

Motors & Gearing

Motor	Type	<input type="checkbox"/> Normal	<input type="checkbox"/> Variable frequency
	Protection	<input type="checkbox"/> Explosion-proof	<input type="checkbox"/> High efficiency
	Brand	Enclosure protection: IP_____ Insulation: Grade_____	
Gear reducer	Brand	<input type="checkbox"/> SEW <input type="checkbox"/> Siemens	<input type="checkbox"/> ABB <input type="checkbox"/> Others
	Brand	<input type="checkbox"/> Omitter <input type="checkbox"/> SEW	<input type="checkbox"/> Siemens <input type="checkbox"/> Others
Control Panel	Needed	<input type="checkbox"/> Yes	<input type="checkbox"/> No
	Starting	<input type="checkbox"/> Normal (power $\leq 7.5KW$)	<input type="checkbox"/> soft start
		<input type="checkbox"/> variable frequency	<input type="checkbox"/> Step-down voltage
Electric components	<input type="checkbox"/> Schneider brand		

Note: 1. Options for construction material: CS, SUS304, SUS316, SUS316L and others.
2. Any special requirements shall state clearly.

Customer's Experience for Using Mixer

Mixer type	Remarks
Total volume	
Batch capacity (Kg)	
Motor power (KW)	
Rotating speed (rpm)	

Raw Material Specifications

Items	Material A	Material B	Material C	Material D	Material E
Name					
Properties					
Percentage (%)					
Bulk density					
Particle size					
Moisture					
Feeding way					
Viscosity					
Flowability					
Abrasivity					
PH value					
Magnetism					
Corrosion					

Note: 1. Properties include: powder, granule, flaky, crystal, liquid etc. please state clearly if the raw materials are not allowed to be damaged.
2. Please illustrate a similar material if no exact data or related to confidential info.

Remarks

Here you can write down your desired mixing process or work flow. Other points or major considerations you may have should be expressed to us or may be written below in detail.

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Bradwood Packaging Offers Complete Filling, Packaging & Weighing Solutions

Who is Australian Weighing Equipment & Bradwood Packaging

Jeff & Trevor Baillie started AWE in 1981, focusing on weighing solutions based on engineering principles. For the last 30 years AWE has built its reputation as a leading supplier of robust Packaging & Bulk Handling Equipment. Our innovative engineering, and continuous product improvement have led to designs that will stand up to the rigours and demands your product line will throw at it.

Bradwood Packaging's bulk handling & packaging equipment can reduce or eliminate the need to manually perform repetitive tasks of filling, packaging and palletising.

We know that one size does not fit all. If our 'Out-of-the-box' equipment does not suit your needs, then talk to us about a custom solution. We are ready & able to engineer a cost effective design based on our 30+ years experience.

The biggest compliment we hear is, "Your packaging equipment is Over-Engineered". Our response: "Bradwood Packaging knows most packaging equipment operates in a harsh environment. They cop a pounding".

We must engineer to survive these conditions. Bradwood Packaging understands our reputation depends on this. So we prefer to build our packaging equipment based on our experience to anticipate and cope with the harsh conditions of factory life.

Bradwood Packaging's bulk handling & packaging equipment is built to "Our Standards" to Protect Your Investment.

Based on this experience, we're constantly called in, to consult on setting up product lines, tailored to suit unique packaging and bulk handling applications.

AWE Investment in the Future

To help provide a seamless packaging solution, AWE has just increased its investment in our manufacturing facilities now giving us over 3,200 square metres of factory in Sydney with

- ▶ A CNC Machine Shop
- ▶ Bending & Rolling Shop
- ▶ Heavy Metal Fabrication Shop
- ▶ Plus further room for our team of qualified tradesman

Acquisitions of Bradwood Packaging, Dendy Packaging and Design Engineering increased our packaging and engineering experience.

In 2008, AWE established a manufacturing facility in China - Bradwood Packaging and Bulk Materials Handling Equipment.

Bradwood Packaging and Bulk Materials Handling Equipment, currently occupies a purpose built 2,300m² factory in Suzhou China (70kms From Shanghai).

All Equipment is Australian designed and manufactured under Bradwood Packaging's strict quality control system in our own factories both locally and internationally.



Conical Ribbon Mixer

Bradwood Packaging Guarantee

Bradwood Packaging supply and backup what they sell - That's a Guarantee from the manufacturer. **The directors stand by all the equipment sold by Bradwood Packaging, if it's not suitable, or doesn't work, then we will fix it, replace it or you don't pay.**

To deliver on our commitment of providing quality, reliable packaging and bulk handling equipment, Bradwood Packaging understands it's more than just delivering a well built & designed packaging machine. It also requires a team of dedicated people who care and are there to back you up with great Service & Support.

The quality of our team sets us apart. Most companies choose to outsource these services to contractors, or buy machinery from overseas as a so called agent. They do not have the knowledge base to support or maintain this equipment long term.

Bradwood Packaging's solutions are designed to fit your factory systems, to do this requires a team of professionally trained tradesmen.

When Bradwood Packaging starts building your equipment, an army of skilled tradesmen engineers, draftsmen are on the job.

We're Talking About

- ▶ Licensed Tradesmen
- ▶ Mechanical Engineers
- ▶ Electrical Engineers
- ▶ Structural Engineers
- ▶ Draftsmen
- ▶ Fitter & Turners
- ▶ Boilermakers
- ▶ Fully Qualified Scale Makers
- ▶ Electronic Technicians
- ▶ Instrument Fitters
- ▶ Electricians
- ▶ Service Technicians
- ▶ Project Managers
- ▶ Formworkers
- ▶ Concreters

They are all led by your own personal project manager assigned to make your project run smoothly. Which means there's one point of contact, you won't get the run around. They're responsible for managing the design team, installation, commissioning and documenting your project.

Reliability

Bradwood Packaging's bulk materials handling and packaging equipment is designed for Australian conditions and a lifetime of heavy duty filling, bagging & packing. Our proven and robust designs are engineered and manufactured in-house to the highest standards to provide our customers with a lifetime of reliable and accurate service.

In the unlikely case of breakdown, we know downtime is costly and service is required, quickly with accurate attention.

Bradwood Packaging's Service Technicians Are On Call 24/7 , Because We Know Breakdowns Don't Always Happen In Business Hours.

The service guys are there when you need them. When your line goes down, 5.00pm on a Friday, you need technicians to turn up. If you need them at 11pm Saturday, they will be there. That's a promise, because we stand behind our equipment.

So If You Have Questions About Factory Layout And Packaging Equipment, Bulk materials handling or componentry Then Talk To Bradwood Packaging & Packaging Machinery About Our Solutions

Bradwood Packaging & Packaging Machinery prides itself on providing plain english proposals, there's no hidden surprises. You'll know what you're getting.

Bradwood Packaging & Packaging Machinery manufactures filling, sealing to palletising lines, as well as designing complete plant lines.

So if you have questions about factory layout and packaging equipment, then talk to Bradwood Packaging & Packaging Machinery about our solutions.

Call or email us today and find out how our sales team and project engineers can assist you in finding the best Packing & Bagging solution for your needs.

Companies in the AWE Group



Australian Weighing Equipment P/L



All State Machining



Rite-Weigh Scales P/L



Bradwood Packaging P/L



Bendfab P/L



Dendy Packaging (Australia)



Bradwood Packaging and Bulk Materials Handling Equipment

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Visit AWE Group YouTube channel at www.youtube.com/user/AustWeighing where you can watch videos, on our products and services in action. You'll see our new product releases On Industrial Weighing Systems, Packaging Machinery & Bulk Handling Solutions



Sydney



Melbourne



Brisbane

Dealer's Information:

For Links to AWE Website please scan your smartphone here

