



Bulk Material Handling Products

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10+ Doing More
Focus On Bulk Material Handling Products

Focus On Bulk Material
Handling Products

卡孚机械
CAFU MACHINERY



COMPANY PROFILE

Xiamen Cafu Mechanical Equipment Co., Ltd,
focuses on the development and application
of bulk material handling products.

The main products are: Metal silo, Powder
pneumatic conveying system, Bucket conveyor
system, Modular belt conveyor, Apron chain
conveyor, Conveyor belt washing systems,
Gravel sifter machine, Portable crushing plants,
Dry mortar production line, Portable concrete
mixing plant, etc.

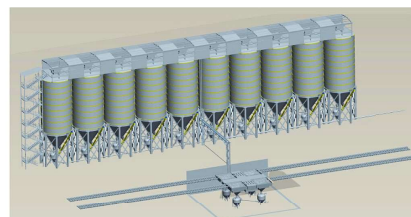


Committed to providing professional design consulting
services and one-stop product integration solutions for
global users.

Focus On Bulk Material
Handling Products

卡孚机械
CAFU MACHINERY

INNOVATION & RESEARCH



5+ Professional Engineers
10+ Engineering Experience

ADVANTAGE

CAFU provides not only high-quality products, we understand the needs of customers better, and are committed to providing customers with innovative bulk material handling products.

Continuously improve customer experience by managing the entire project life cycle and help global customers succeed.

Compared with traditional silo engineering, CAFU's rapid assembly bulk material handling products, its solutions have the excellent performance of high efficiency, safety, long life and simple maintenance.



long lifespan



Quick assembly



More, Faster, Better, Saving



Customized

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Bolted Assembly Steel Silo System



Bolted Assembly Steel Silo System.

It consists of silo, bulk material conveying equipment (including powder pneumatic conveying system), metering equipment, metal stair platform, and control system.

More, Faster, Better, Saving, is its design purpose.

MORE: It means giving customers the most benefits in design;

FASTER: It means to respond quickly to customer needs;

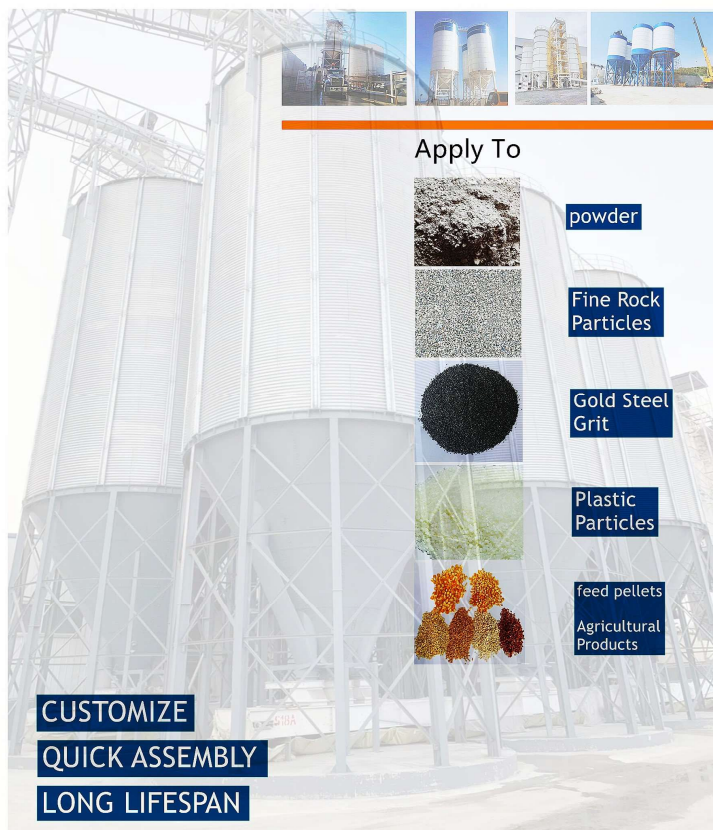
BETTER: means to provide customers with better products;

SAVING: means to provide customers with the most economical solution.



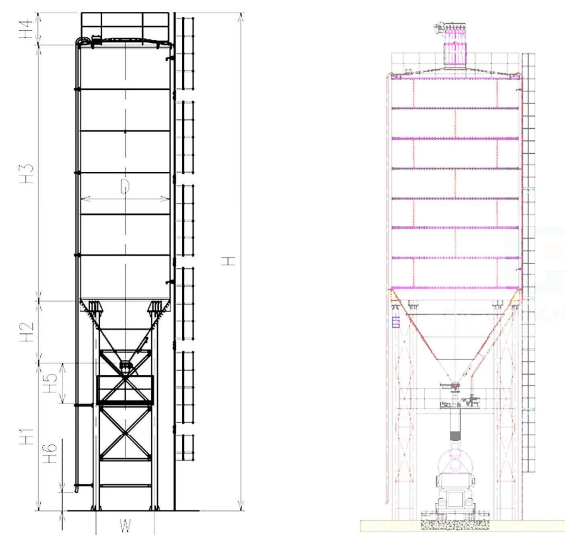
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Metal Silo



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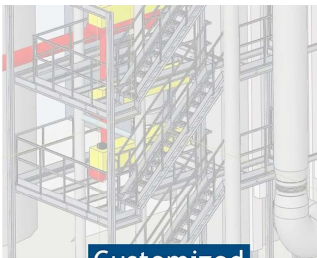
Silo Specifications



Product parameter table											
	H (mm)	H1 (mm)	H2 (mm)	H3 (mm)	H4 (mm)	H5 (mm)	H6 (mm)	W (mm)	D (mm)	Effective volume (m³)	
CFB50	Determined by H1	customize	2200	4700	1200	1500~2000	800	2039	3100	43	Due to product upgrading, the parameters in the table may change, please refer to the actual drawing
CFB100			2200	9200				2039	3100	78	
CFB150			2700	9200				2510	3800	116	
CFB200			3150	9250				2950	4500	171	
CFB300			3650	10500				3210	5000	230	
CFB500			4700	10800				3190	6800	401	
CFB800			6000	10600				3795	8000	644	
CFB1000			6000	13700				3795	8000	792	
CFB1500			7400	12300				2990	10000	1156	
CFB2000			7400	18400				2990	10000	1635	
CFB2000 ~3000			customize								
All parameters will be customizable											

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Metal stair platform



Customized
Solutions

Silo attachment



Vertical Bucket Conveyor



TGD parameter table



Bucket width (mm)	Single bucket capacity (L)	Hopper spacing (mm)	Drum diameter (mm)	Belt speed (m/s)	Throughput (m ³ /h)		Lifting height (M)
					φ=100%	φ=75%	
250	5.5	280	630	1.34	94	70	≤100
315	6.9				118	88	
400	14.4				244	183	
500	18.0				305	229	
630	29.4	360	1000	1.68	494	370	
800	37.3				626	469	
1000	46.0				773	580	
1000	58.0	440	1250	1.90	992	744	
1250	72.7				1243	932	
1400	99.5				1546	1159	
1600	113.7				1767	1325	

NE parameter table



Wide lifting range: it can lift powder, granular and block materials with a temperature of <250°C.

Large conveying capacity: the lifting capacity ranges from 15 to 800 m³/h.

NSE parameter table



Technical specifications of
NSE series plate chain hoist

MODEL	Maximum output m ³ /h	Bucket volume L	Weight of running parts kg/m	Maximum chain speed m/min	Maximum lumpiness of material (mm)					
					Percentage %					
NSE1000/NSE1000/D	171.2/148.6	72.5/62.9	106.0/116.0	65.6	10	25	50	75	100	
NSE200/NSE200/D	228.3/198.1	96.8/83.8	113.6/125.0	65.6	35	30	20	15	10	
NSE300/NSE300/D	285.4/247.6	120.8/104.8	121.3/134.0	65.6	35	30	20	15	10	
NSE400/NSE400/D	364.0/317.1	235.6/203.0	208.9/217.3	66.26	50	40	30	25	20	
NSE500/NSE500/D	486.4/423.8	188.2/162.2	223.6/234.1	66.26	50	40	30	25	20	
NSE600/NSE600/D	608.8/530.5	140.8/121.4	238.2/250.9	66.26	50	40	30	25	20	
NSE700/NSE700/D				66.26	65	60	40	35	30	
NSE800/NSE800/D				66.26	65	60	40	35	30	
NSE1000/NSE1000/D				66.26	65	60	40	35	30	

custom conveyor belts



Belt conveyor is a common conveying equipment.

The application range of belt conveyors includes: steel industry, power plant, aluminum industry, machinery industry, mining industry, tobacco industry, printing and other industries.

The line conveying of the belt conveyor can be selected according to the different goods to be conveyed: ordinary continuous operation, rhythmic operation or variable speed operation and other methods.

The belt of the belt conveyor can be selected according to different conveying needs: different line types such as straight, slope, curve or climbing.

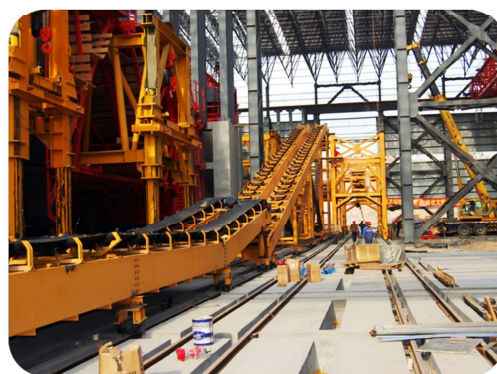
Troughed belt conveyor



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Modular belt conveyor



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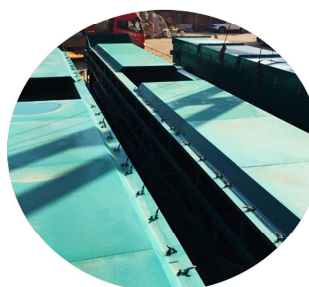
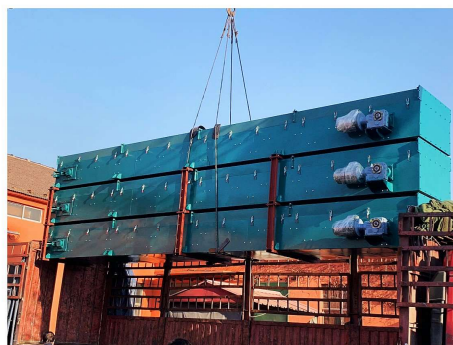
Incline conveyor



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Closed belt conveyor



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Mobile conveyor belt system



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Belt Conveyor System Accessories



Belt conveyor buffer cradle



JWSR



belt scraper



Emergency Pull Cord Switch



Permanent Magnet for
Belt Conveyor

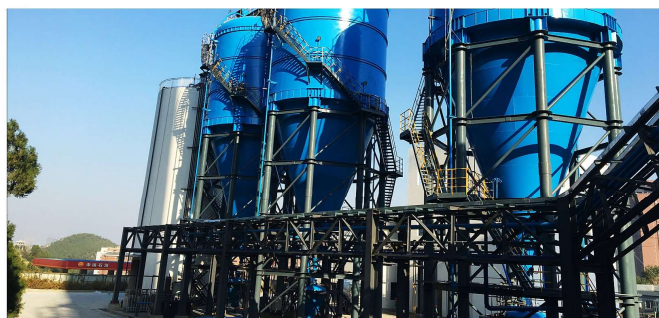


Metal Detector

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pneumatic conveying system for powder



Scope of application

- Thermal power plant
- Kiln Combustion System
- Power plant limestone powder transportation
- All kinds of ash powder conveying

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Pneumatic powder conveying pump-upper ash discharge



Dense phase pneumatic conveying pump is one of the main equipment in pneumatic conveying system.

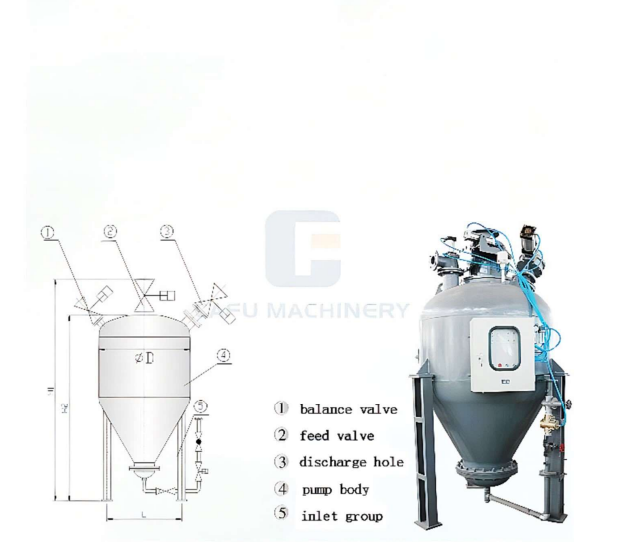
The main features of the system:

- 1, Low flow speed and small pipeline wear;
- 2, low energy consumption, low operating cost;
- 3, no dust blocking, automatic operation;
- 4, has a large powder and gas ratio;
- 5, can be long distance transmission, transmission distance up to 1500 meters;
- 6, materials in pipeline transportation, environmental protection, no pollution, no leakage.

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Pneumatic powder
conveying pump-upper ash discharge



Pneumatic conveyor model size table

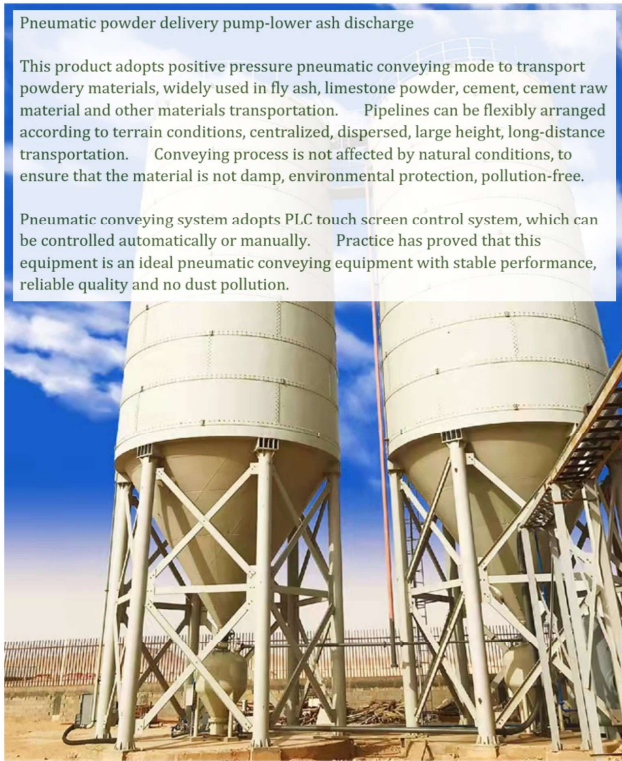
type	LD1.0	LD1.5	LD2.5	LD4.0	LD5.0	LD6.0	QSB8.0
H1(mm)	3029	3126	3198	3502	3849	4030	4398
H2(mm)	2389	2486	2558	2862	3209	3390	3758
L(mm)	560	560	660	660	810	810	1010
D(mm)	1023	1219	1623	1823	1823	2023	2231

Pneumatic powder
conveying pump-upper ash discharge

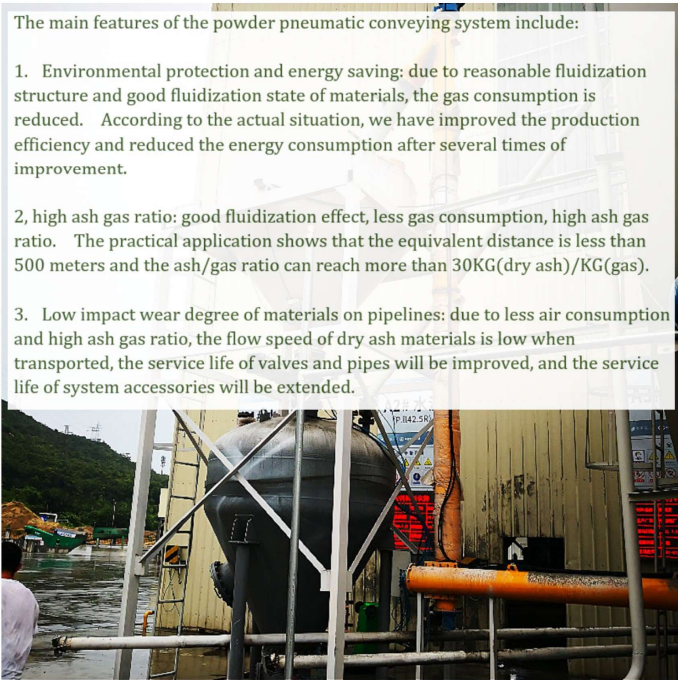
Specification	LD1.0	LD1.5	LD2.5	LD4.0	LD6.0	QSB8.0
Effective volume of pump body	1.0	1.5	2.5	4.0	5.0	8.0
delivery capacity	5~11	7~15	12~20	12~30	13~35	22~90
total weight	1296	1540	2492	2849	3085	4005
working pressure	0.15~0.4(11 varies with the transmission distance)					
conveying distance	~1500(Refers to the equivalent distance after conversion)					
Working temperature	-19~200(Working temperature over 120°C for special products, please explain.)					
Main material of pump body	16MnR					

Technical parameters of powder conveying system

Pneumatic powder delivery pump-lower ash discharge



Pneumatic powder delivery pump-lower ash discharge



Pneumatic powder delivery pump-lower ash discharge

Specification	Effective volume of pump body		delivery capacity	displacement of air compressor	weight	working pressure	conveying distance	working temperature	main material of pump body
	m ³	m ³ /h	m ³ /m	in	kg	Mpa	m	°C	
L-1.0	1.0	5~11	5	5	2500	0.2~0.45(it varies with the transmission distance)	~1500(Refers to the equivalent distance after conversion)	-19~200,Working temperature over 120°C for special products,please explain	16MnR
L-1.5	1.5	7~15	8	8	2720				
L-2.5	2.5	12~20	8	8	3050				
L-4.0	4.0	12~30	10	10	3650				
L-6.0	6.0	16~40	10~20	10~20	3950				
L-8.0	8.0	22~30	20~20	20~20	4250				

Model Specification:

Energy Saving Continuous Delivery Pump



The equipment has the characteristics of compact structure, flexible layout, low wind pressure, low energy consumption, easy operation, reliable operation and so on. It is a product with high performance in low-pressure continuous powder conveying equipment.

Widely used in power plant fly ash pneumatic conveying system, power plant desulfurization limestone powder pneumatic conveying, cement kiln head, kiln tail powder pneumatic conveying. In the actual use, we have completely solved the other low pressure pump upward leakage gas, leakage lock is not tight.

specifications				
type	dia (mm)	pitch (mm)	outputs (m ³ /h)	air pressure (MPa)
JSB150	150	150~100	4~10	0.015~0.24
JSB200	200	150~100	8~40	0.015~0.24
JSB250	250	190~120	20~75	0.015~0.24
JSB300	300	220~140	40~120	0.015~0.24

Low Pressure Continuous Delivery Pump

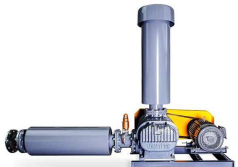
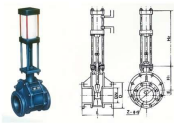


This product is widely used in medium and short-range ash collection and transportation in power ash removal, building materials transportation, construction sites and other industries. It is an excellent product in solid conveying pumps. It is not limited by terrain and elevation difference, fully enclosed, pollution-free, simple structure and small maintenance. The air source is roots blower or compressed air.

Configuration table

Product Name	type	capacity	entrance	exit	blast capacity
Low Pressure Continuous Delivery Pump	LB30-5	0~5t/h	DN100	DN125	10~15m ³ /min
	LB30-10	5~10t/h	DN125	DN150	15~25m ³ /min
	LB40-15	10~15t/h	DN125	DN170	25~35m ³ /min
	LB40-20	15~20t/h	DN150	DN200	35~45m ³ /min
	LB50-25	20~25t/h	DN200	DN250	45~55m ³ /min

Low Pressure Continuous Pneumatic Conveying System Accessories



Small portable crusher



Model Specifications

type	CF80	CF120	CF200
Dimensions (mm)	L 8000×W1800 × H2400	L 11000×W2100 × H2700	L 1200×W2400 × H2900
Hammer(pcs)	16	20	24
Hopper size (mm)	3600×1600	4100×1750	4600×1800
Inlet size (mm)	400*500	500*700	530*900
Motor (Kw)	37	55	75~90
Output (ton/h)	40	80	130~150
Diesel engine (optional)	4105	6105	6110

Small portable crusher

WIDELY USED

Crushed materials such as stones, cinder, shale, coal gangue, construction waste, etc.



Highway construction



Railway construction



Construction site



Urban Construction



Agent sales Various crushing products



Agent sales Various crushing products



Mobile earth and stone separator

Made of wear-resistant steel



Mobile

Efficient

Enhanced model

Produce 200-500 tons of aggregate per hour



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Sand screening machine



customizable
portable



High chromium manganese steel
more durable

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Custom Machined Parts

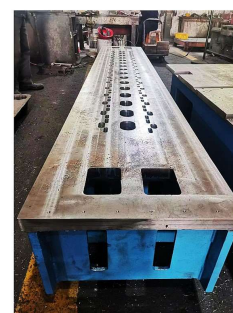


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