

Bucket Elevator

Operating Instruction



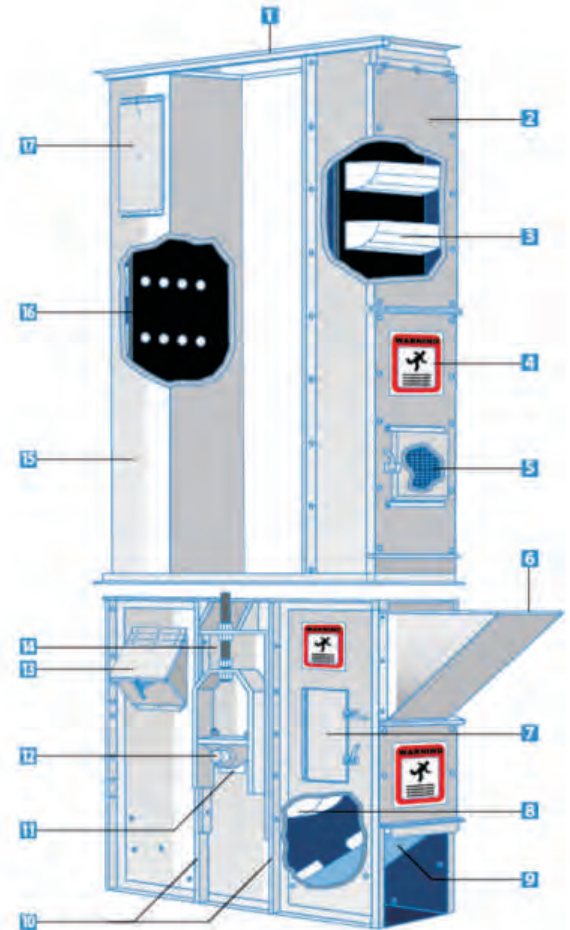
Henan Shibo Heavy Machinery Co., Ltd.

Overview

Grinding Machine is suitable for grinding the barite, limestone, ceramic, slag which are non-flammable materials with Mohs hardness not more than 9.3, and the humidity below 6. The device is suitable for

high fine powder processing of a variety of materials in mining, metallurgy, chemical industry, building materials or other industries.

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| 1.Horizontal Trunking Flanges - fixturewelded to ensure trunking stacks straight, saving erection costs | 9.Drop Down Clean-Out Panels - to provide easy access and clean out |
| 2.Oversized Removable Access Panels - make belt and bucket installation and maintenance more efficient | 10.Boot Side Panels - reinforced with structural angle iron |
| 3.Elevator Buckets - supplied standard in UHMW polyethylene or in optional steel, nylon or urethane | 11.UHMW Shaft Seal Plate |
| 4.Safety Labels - applied throughout | 12.Externally Mounted Pillow Block Bearings - prevent bearing exposure to boot interior |
| 5.Hinged Inspection Door - features quick latch and mesh cover for convenient and safe monitoring of belt and buckets | 13.Clean-Up Shovel Pocket (optional) |
| 6.Large Boot Hopper - directs material flow for proper bucket fill | 14.Screw Take-Up - designed for rugged duty |
| 7.Hinged Inspection Door with Quick Latch - allows easy access for inspection | 15.Heavy-Gauge Trunking - ensures structural integrity and is available in single or double leg casing |
| 8.Crown-Faced Boot Pulley - ensures proper belt tracking and is available in wing styles | 16.Durable Rubber or PVC Belting - engineered to PPIW strength requirements |
| | 17.Pressure Relief Panel - designed to current NFPA standards |



Features

Compared to other grinding mill and under the same dynamic condition.

The ore materials of 9.3 degree can all be processed and crushed.

Dust removal effect can completely reach to the national dust emission standard.

The analytical engine is easy to adjust.

Why Choose Us?

- 1 Bucket elevator has small drive power, adopts flow type feeding, and the feeder, induction discharge, and hopper with large capacity are intensively arranged to enhance the material back and dig the material, with less reactive power.
- 2 Wide range of upgrade, such hoist on the types of materials, less performance requirements, not only can improve the general powdery, granular materials, but also enhance the larger abrasive materials, with sealing and less environmental pollution.
- 3 Good operational reliability, advanced design principles and processing methods to ensure the reliability of the machine operation, no down time more than 20,000 hours, with high lifting height and smooth hoist operation, so you can upgrade to a higher level.

Characteristics

Lift height: 28-32.7 m

Throughput: 3-60m³/h

Applied material: coal, cement, stone, sand, clay and ore

Applied area: ore dressing, coal mining, the chemical industry, etc.

Working principle

The hopper scoops up the material from the following storage and upgrades to top with belt and chain and turns downward bypassing the top wheel, bucket elevator pours materials into the tank. The belt of bucket elevator generally uses a rubber band, attached to lower or upper to drive rollers and turn

drum. Bucket elevators with chain transmission are generally equipped with two parallel transmission chains, and there are a pair of transmission chain top or down and a pair of redirection sprocket down or top. Bucket elevator are generally equipped with chassis to prevent the dust will be blew in bucket elevator.





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Technical data

Specification	Max. lifting height (m)	Conveying capacity (m³/h)	Pitch of buckets (mm)	Motor power (kw)
160 type	28	3-8	500	3-7.5
200 type	31.5	6-15	500	3-7.5
250 type	30.16	10-25	500	4-11
300 type	30.16	25-35	500	5.5-15

350 type	31	19-40	600	7.5-18.5
400 type	39	35-55	512	7.5-22
500 type	38	70-95	512	15-30






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