

## *LDTH-1000 Single Column Bin Blender*



LDTH series bin blender is widely applied in pharmaceutical production to mix dry powders with dry powders or granules of different substances. This machine can be equipped with multiple models of hopper and applied in large or medium enterprises. The single machine can mix medicine of different substances and batches according to technical requirements so that it can be multifunctional.

### **Overview**

- 1) This machine is an integration of mechanism, electricity and hydraulicity. It is also a high-tech product, driven by frequency converter and controlled by PLC. Therefore, the machine can be controlled simply and its technical parameters adjusted conveniently.
- 2) Control system is sensitive, machine structure is compact and operation is stable and reliable.
- 3) A single machine can be equipped with hoppers of different models. The mixture needn't to be discharged but the whole hopper will be dismantled and transferred to the next process. Such a design can improve machine efficiency, avoid cross contamination and conform to GMP requirements.
- 4) The mixing bucket is the burden bucket in the previous process, as well as the material feeding hopper is the next process.
- 5) Mixing uniformity can reach 99% and loading coefficient 0.8. The bucket is smooth and has no dead corners inside and outside.
- 6) After mixing of every batch, the empty hopper will be cleaned in special cleaning room so that the workshop can keep clean.

### **Features**

- 1) Automatic PLC control system is applied for simple control and convenient parameter adjustment.
- 2) Control system is sensitive, machine structure is compact and operation is stable and reliable.

- 3) The single machine can be equipped with hopper of different specifications to improve machine efficiency and avoid material cross contamination.
- 4) The mixing uniformity can reach over 99% and loading coefficient 0.8. The bucket is smooth and has no dead corner internally and externally.
- 5) The machine complies with GMP requirements completely.

### Technical parameters

<b>Model</b>	<b>LDTH-1000</b>
Max. Hopper volume	1000L
Max. Working volume	800L
Max. Loading weight	500Kg
Rotating speed	3-10rpm
Total power of motor	7KW
Machine weight	1800Kg
Overall dimensions	(L*W*H)3000*2600*2800mm