SaintyCo

Pharma Process & Packaging

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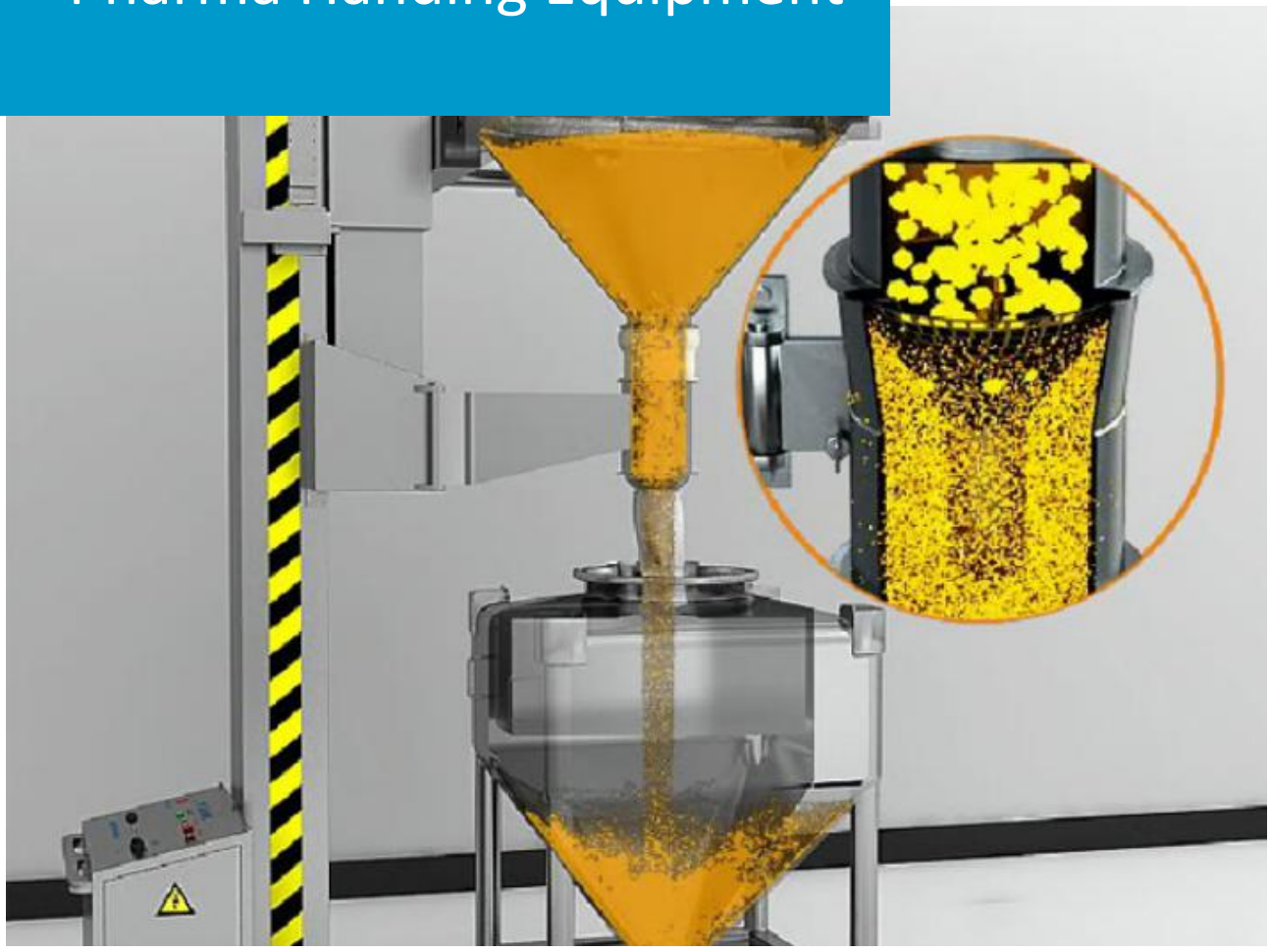
Solid

Pharma Handing Equipment



Bench Top Blender

HSD series Bench Top Blender is mainly used in laboratory solid preparation for mixing of granules and granules, granules and power, powder and powder. Meanwhile, it is widely used in pharmaceutical, chemical and foodstuff industries.

LDS Pharma Bin

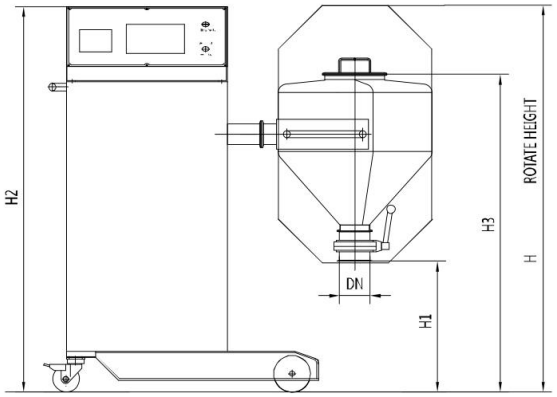
Principle:

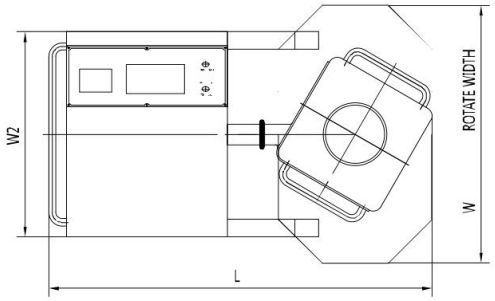
This equipment is composed of frame, drive and control systems, and fixed mixing bin, etc. When operating, charge the materials and lock the bin lid. Set the mixing time and speed, start the control system to execute the operation. On reaching the set time, the fixed bin stops being a horizontal position and the mixing task is finished.

Features:

- Suit for R&D.
- High efficiency mixing.
- Small footprint.
- Movable design.
- Detachable bin design for various batch size application.
- Efficient blending.

Dimensions:





Technical Data	HSD5	HSD10	HSD15	HSD20	HSD25	HSD30	HSD50	HSD75
L	920	1010	1010	1090	1090	1090	1310	1310
W	570	650	650	700	700	700	880	1050
W2	450	450	450	450	450	450	700	700
H	1000	1050	1050	1050	1050	1050	1320	1400
H1	470	410	410	360	370	370	440	370
H2	980	980	980	980	980	980	1315	1315
H3	830	800	880	820	880	925	1085	1150
DN	50	50	50	75	75	75	100	100
Blending speed(rpm)	3-25							
Max bin volume(L)	5	10	15	20	25	30	50	75
Loading volume(L)	4	8	12	16	20	24	40	60
Loading weight(Kg)	2.5	5	7.5	10	12.5	15	25	37.5
Total power(kW)	0.25	0.25	0.25	0.25	0.55	0.55	0.55	0.75
Total Weight(Kg)	150	160	170	180	185	190	200	230

Post Bin Blender

HTD series Post Bin Blender can automatically complete lifting, clamping, mixing and descending tasks and can be matched with different specification pharma bins to satisify large batch and various mixing. It is considered as ideal mixing equipment in pharmaceutical factory and iwidely used in pharmaceutical, chemical and foodstuff industries.

HTD

Principle:

This equipment is composed of column, frame, slewing fork mounting; drive, brake and control systems, etc. When operating, load the bin on the blending carriage and lock the nuts, and start the control system, the blending carriage is automatically raised to the blending height and reliably positioned. Then the drive system starts blending task according to the set time and rotation speed. All the set parameters have been reached, the brake system operates automatically to stop the blending carriage being a horizontal position and the blending task is finished. Then, the lifting system works to lower the bin on the ground and stops automatically on reaching that position. Finally, data of this batch are printed. Unfasten the nuts of the bin blending fork carriage and move out the bin to transfer it for the next process.

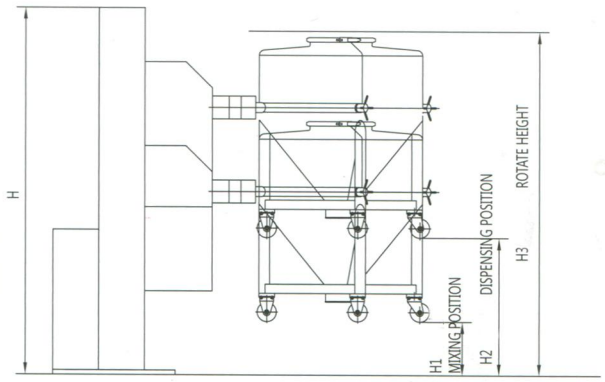
Features:

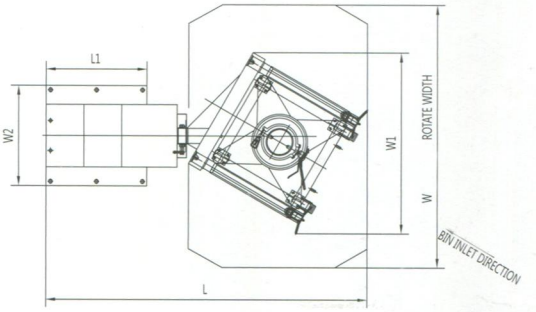
- Human/machine/product safety.
- High efficiency mixing less mixing time.
- Easy changing batch size.
- Small footprint.
- Inline hermetic transfer.
- Effcient blending.
- Detachable bin design for various batch size application.
- Easy cleaning.

HTD-1500

LDT Pharma Bin

Dimensions:





Technical Data	HTD400	HTD500	HTD600	HTD800	HTD1000	HTD1200	HTD1500	HTD2500
W	2100	2300	2400	2500	2700	2800	2800	3600
W1	1445	1530	1583	1730	1898	1888	1800	2650
W2	800	800	800	800	900	900	900	850
L	2555	2595	2663	2800	3020	3150	3200	4051
L1	800	800	800	800	820	980	1500	2350
H	2400	2500	2500	2500	2900	4250	2800	4000
H1	350	350	350	350	400	450	450	500
H2	750	750	750	750	900	1700	1700	2400
H3	2250	2400	2500	2600	2800	3100	3100	3800
Blending speed(rpm)	3-20	3-15	3-15	3-15	3-10	3-8	3-10	3-8
Max bin volume(L)	400	500	600	800	1000	1200	1500	2500
Loading volume(L)	320	400	480	640	800	960	1200	2000
Loading weight(Kg)	200	250	300	400	500	550	750	1250
Total power(kW)	5.2	5.2	5.2	7	7	7	6.2	9.7
Total weight(kg)	1000	1200	1300	1600	2000	2200	2000	5000

Holder Type Bin Blender

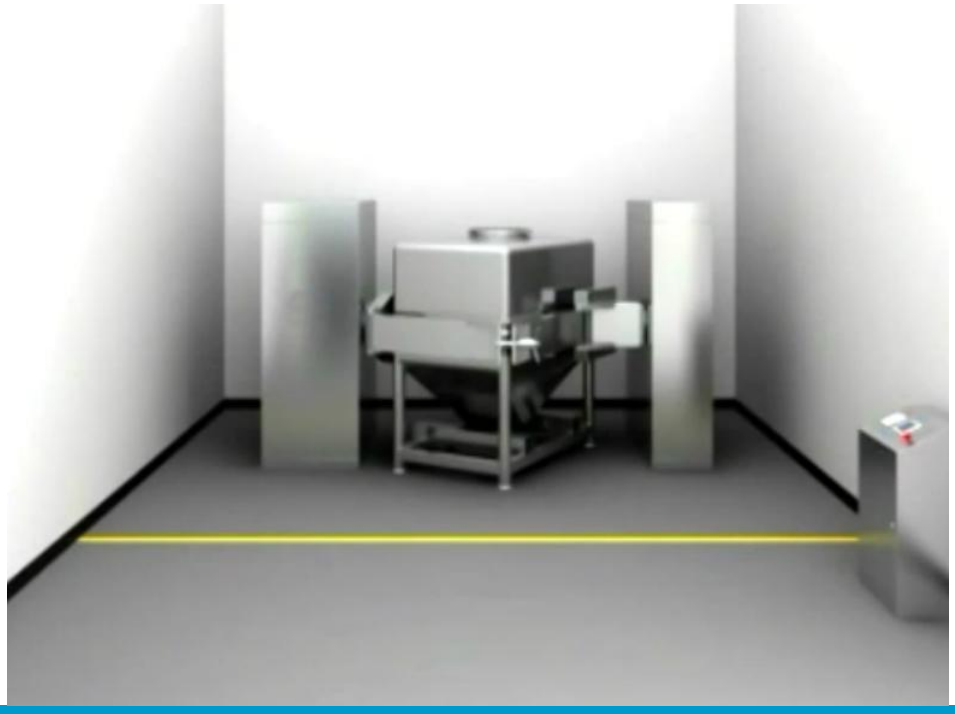
HYD series Holder Type Bin Blender can execute automatically raising, clamping, blending and lowering tasks. One main machine can be configured with various bin specifications, so different batches and requirements for various blending can be satisfied, consequently it is considered as the ideal blending equipment in pharmaceutical industry. It is also widely used in chemical, foodstuff industries, etc.

Principle:

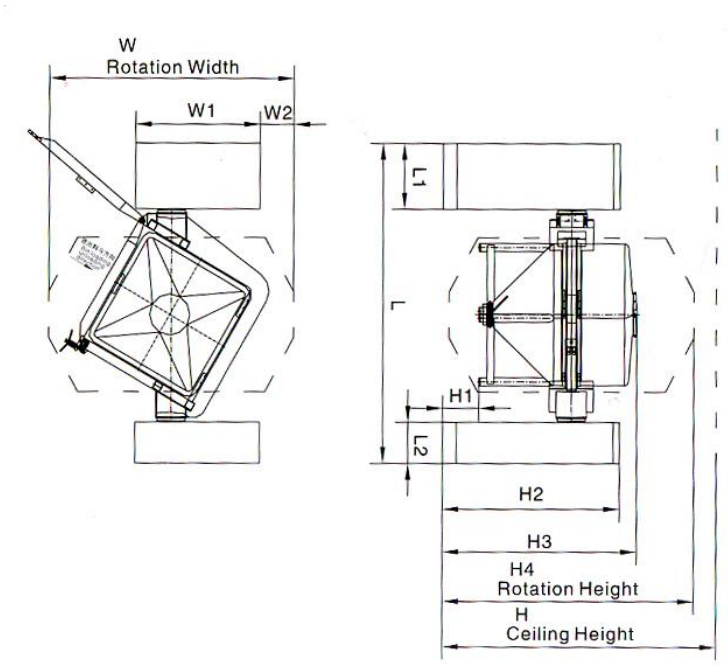
This equipment is composed of frames, rotating cage; drive, brake and control systems, etc. When operating, load and lock the bin in the rotating cage, and start the control system, the rotating cage is automatically raised to the blending height and reliably positioned. Then the transmission system starts blending task according to the set time and rotation speed. On reaching all the set parameters, the brake system operates automatically to stop the rotating cage being a horizontal position and the blending task is finished. Then, the lifting system works to lower the bin on the ground and on reaching that position, it stops automatically. Finally, data of this batch are printed. Unfasten the locking device of the rotating cage and move out the bin to transfer it for the next process.

Features:

This equipment is successfully designed on the basis of a wide research, absorption and digestion of foreign advanced models. It has a reasonable structure with stable performances and easy operation; the whole machine has no dead angle or exposed screws. Structural characteristics of this equipment are: the rotating cage (bin) is tilted 30° as compared to the rotation axis, the materials perform a double movement inside the bin: a constant and intense turn over following the frame rotation and also a relatively high tangential motion along the bin wall to realize an optimal blending effect and result. PLC, also infrared safety device and a device avoiding misoperation of butterfly valve are designed to ensure a fully automatic control and a safe production. All processes of the materials are finished in a same container without frequent materials transfer, charging and shift. Consequently, powder dust or cross pollution are effectively controlled to reduce materials losses, and on the other hand, an effective control of materials layers is achieved. Finally, the production process has been greatly optimized. HYD Series Holder type Bin Blenders comply entirely with GMP requirements for medicine production.



Dimensions:



Technical Data	Main structural dimensions											Blending speed	Net load	Total power	Machine weight
	L	L1	L2	W	W1	W2	H	H1	H2	H3	H4	rpm	kg	kw	T
HYD500	3325	925	500	2450	1400	205	3200	380	2300	1860	2550	3-20	250	707	2.2
HYD600	3325	925	500	2550	1400	205	3200	380	2300	1990	2550	3-20	300	707	2.3
HYD800	3425	925	500	2650	1400	255	3200	330	2300	2060	2750	3-20	400	707	2.4
HYD1000	3525	925	500	2850	1400	365	3400	330	2400	2205	2950	3-15	500	805	2.8
HYD1200	3625	925	500	3100	1400	480	3600	330	2500	2220	3200	3-15	600	805	3
HYD1500	3625	925	500	3100	1400	480	3600	330	2500	2400	3200	3-15	750	805	3.4
HYD1800	4015	1025	500	3350	1550	575	3850	350	2600	2575	3450	3-15	900	10.5	3.5
HYD2000	4115	1025	500	3240	1550	520	3600	450	2600	2620	3340	3-15	1000	10.5	3.6
HYD2500	4125	1025	500	3500	1550	600	3900	430	2800	2800	3600	3-15	1250	10.5	3.8
HYD3000	4235	1025	500	3800	1550	800	4100	430	2900	3050	3900	2-10	1500	10.5	4

Pharma IBC Blending System

HZD series Pharma IBC Blending System can automatically complete lifting, clamping, mixing and descending tasks and can be matched with different specification pharma bins to satisify large batch and various mixing. It is considered as ideal mixing equipment in pharmaceutical factory and iwidely used in pharmaceutical, chemical and foodstuff industries.

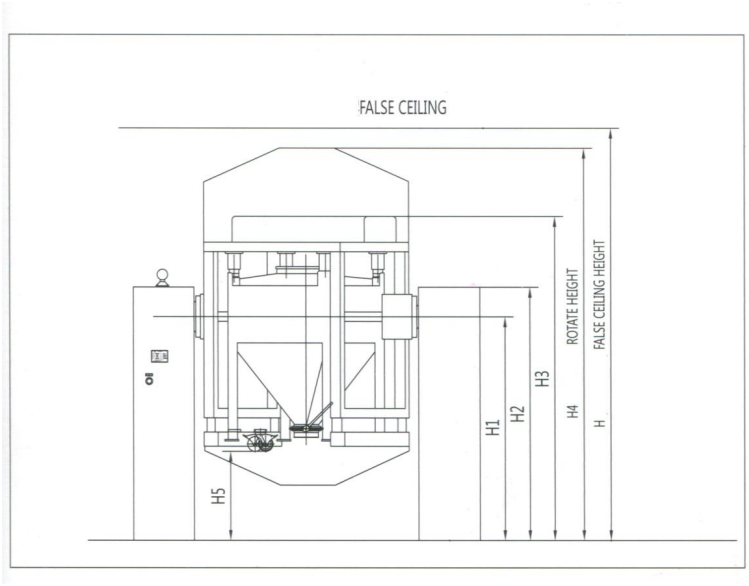
Principle:

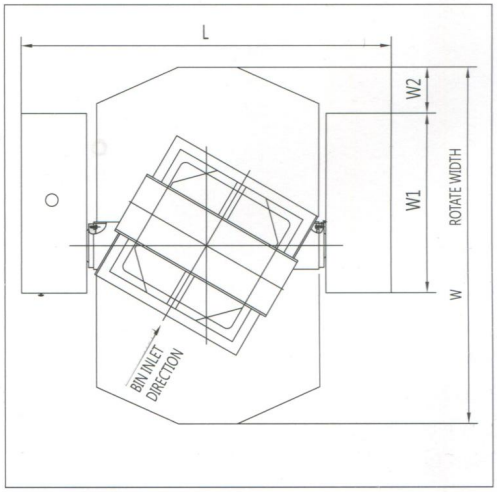
HZD series Bin Blender consists of shelf, rotary frame, driving system, lifting system, braking system and PLC control system, etc. To start to work, put the bin into the rotary frame, and press the confirmation button on the touch screen. The bin is then lifted to the required height and clamped. The driving sys tem starts to work and mix according to time and speed assigned in advance after the pressure sensors receive signal of tightly clamped. Reaching to the parameters assigned, the braking system starts to work and the rotary frame stops vertically. The mixing craft is over. The lifting system then works accordingly to lay down the bin. Pull the bin out from the rotary frame(can also separate materials from the bin directly in the frame)and the printer types the entire craft data. The working cycle finishes. The structure trait of HZD series Bin Blender is that the rotary frame(bin) and the mixing axis make of an angle, the movement of the materials inside the bin contains not only overturn, but tangent movement along the wall of bin. This gains it a perfect mixing efficiency effect.

Features:

- Human/machine/product safety.
- High efficiency mixing less mixing time
- Broader capacity range.
- Easy changing batch size.
- Easy operation.
- High automation.
- Efficient blending.
- Detachable bin design for various batch size application.
- Easy cleaning.

Dimensions:





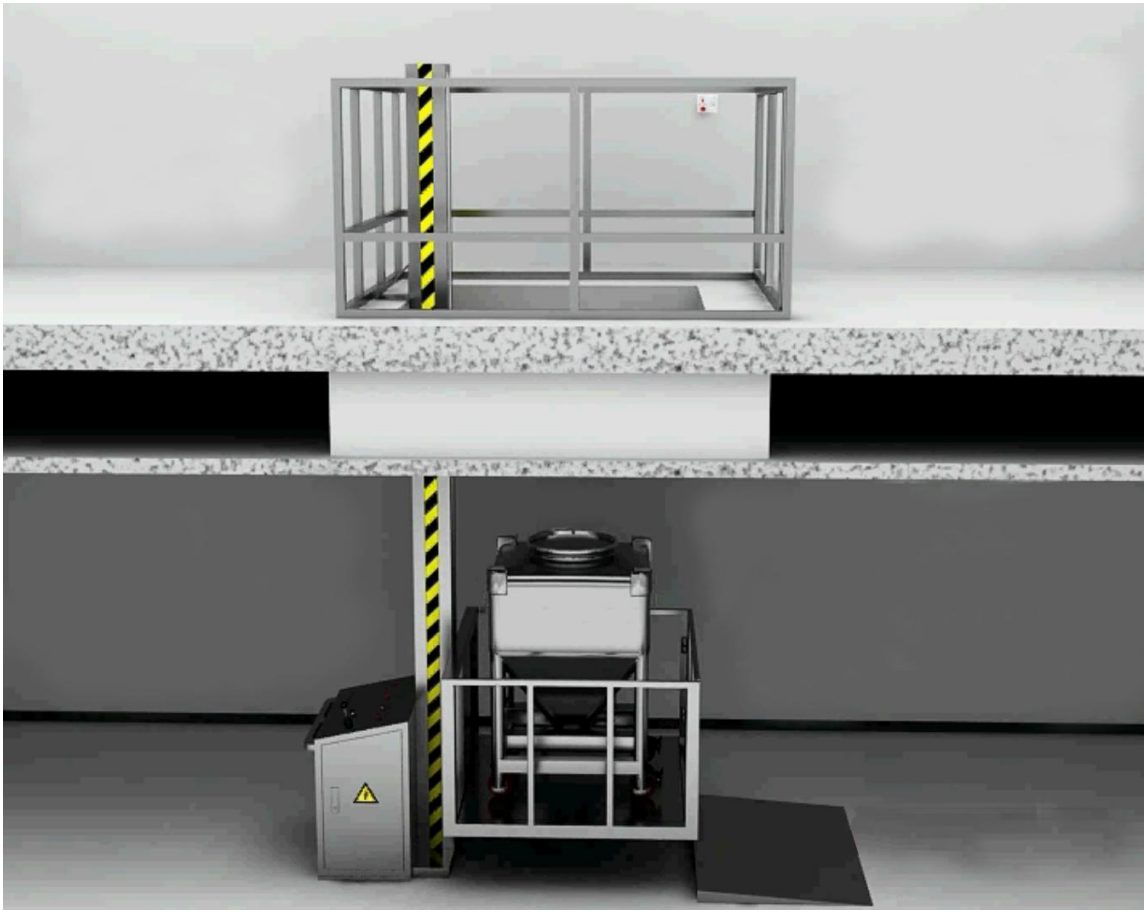
Technical Data	HZD1000	HZD1200	HZD1500	HZD1800	HZD2000	HZD3000
L	3330	3330	3500	3500	3500	4300
W	3040	3140	3300	3460	3580	4150
W1	1440	1440	1550	1550	1550	1550
W2	461	511	508	588	648	650
H	3700	3700	4000	4000	4200	4500
H1	1900	1900	2050	2130	2200	2270
H2	2150	2150	2300	2380	2450	2450
H3	2800	2898	3113	3241	3435	3435
H4	3420	3470	3700	3860	3990	4275
H5	740	688	723	741	740	740
Blending Speed(rpm)	3-15	3-15	3-15	3-15	3-15	2-12
Max Bin Volume(L)	1000	1200	1500	1800	2000	3000
Loading Volume(L)	800	960	1200	1440	1600	2400
Loading Weight(Kg)	500	600	750	900	1000	1500
Total Power(kW)	8.5	8.5	10.5	11.5	11.5	15
Total Weight(Kg)	3000	3200	3600	4000	4200	5500

Pharma Lifter-Between Floors

NTC series Pharma Lifer is mainly used in pharmaceutical industry for transferring solid dosage materials (in bulk, sachet, bag, tank, etc)between floors. Applying the NTC series Pharma Lifter has optimized the producing flow, avoided dust and cross pollution. It's the desirable transferring equipment in pharmaceutical industry for solid dosage sector. Meanwhile, it can be widely used in such areas as raw medicine material industry, chemical industry, foodstuff industry. etc.

Features:

- Max load: 2000 kg.
- Special design for material transfer between floors.
- Safe and stable performance.
- Ease of handling of material in bin, drum or bag.
- Labour saving.
- Anti-falling system.
- Safety lock.
- Remote control.
- cGMP compliant



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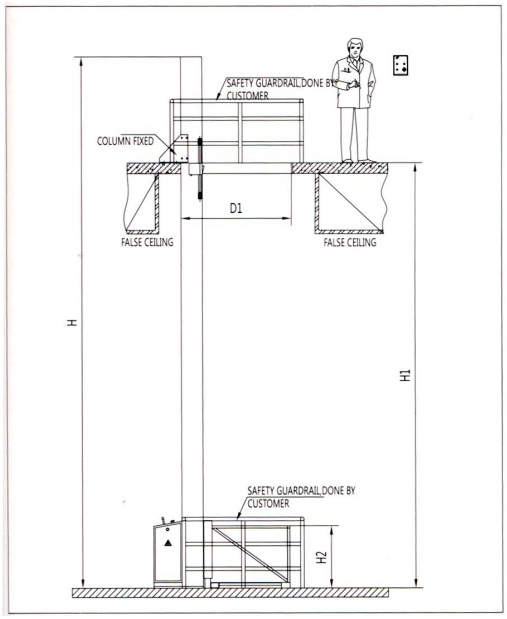
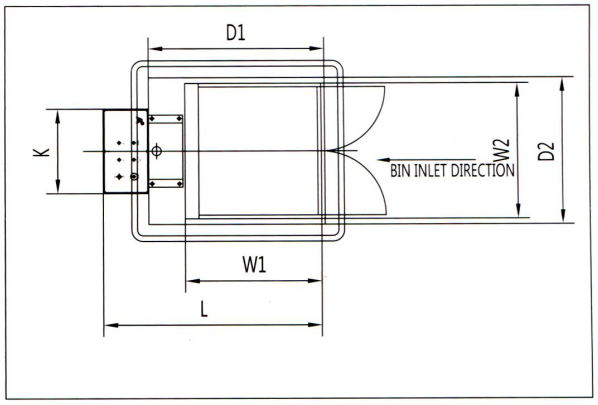




Technical Data	NTC200	NTC300	NTC400	NTC600	NTC800	NTC1000	NTC1200	NTC1500	NTC1800	NTC2000
H（mm）	H1+1500	H1+1500	H1+1500	H1+1500	H1+1500	H1+1500	H1+1500	H1+1500	H1+1500	H1+1500
H1（mm）	6000	6000	6000	6000	6000	6000	6000	6000	6000	6000
H2（mm）	880	880	880	880	880	880	880	880	880	880
K（mm）	750	750	750	750	750	750	750	750	750	750
L（mm）	1720	1720	1720	1920	1920	2120	2120	2120	2140	2140
W1（mm）	1000	1000	1000	1200	1200	1400	1400	1400	1400	1400
W2（mm）	1000	1000	1000	1200	1200	1400	1400	1400	1400	1400
D1（mm）	1350	1350	1350	1550	1550	1750	1750	1790	1790	1790
D2（mm）	1100	1100	1100	1300	1300	1500	1500	1500	1500	1500
Net Load(Kg)	200	300	400	600	800	1000	1200	1500	1800	2000
Total Power(Kw)	3	3	3	3	3	3	3	3	3	3

Pharma Lifting Column-For Bin

NTD series Pharma Lifter is mainly sued in pharmaceutical industry for transferring and charging powder and granules. It can be used along with such main equipments as bin blender, tablet press, capsule filling machine and so on. Applying the NTD series Pharma Lifter has optimized the producing flow, avoided dust and cross pollution. It's the desirable transferring equipment in pharmaceutical industry for solid dosage sector. Meanwhile, it can be widely used in such areas as raw medicine material industry, chemical industry, foodstuff industry, etc.

NTD

Features:

- Pharmaceutical design:- Ra < 1,5 µm for exterior surface
- Max load: 3000 kg
- Column height max. 6000 mm
- Lifting, lowering motorized
- Pick up by lifting arm at floor level
- Arm rotated
- Slewing motorized
- Column floor - / ceiling mounted
- Stainless steel collar for sealing of intermediate ceiling
- Height stop device for exact repetition and safe positioning height: - Pneumatically retractable
- Pneumatic drive for butterfly valve of container
- Valve opening system incl.:

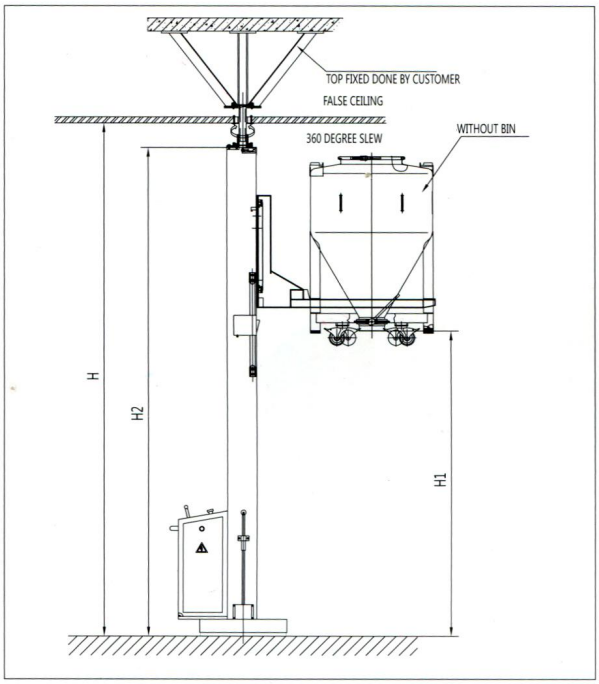
  1.Pneumatic control

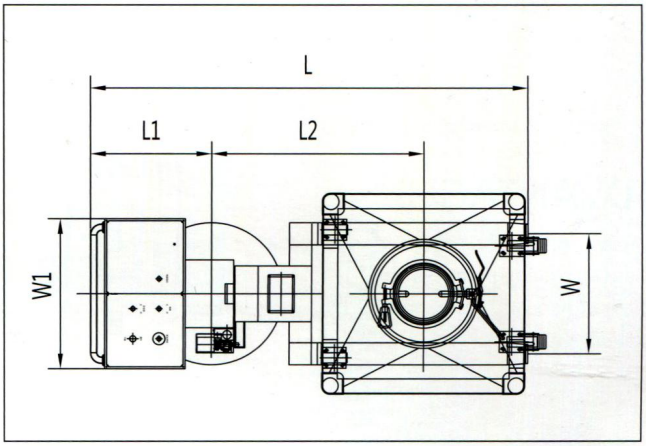
  2.Integration of piping inside of column

  3.Controls onto cabinet

  4.Linear vibrator operating with push buttons
- Pendant control, yellow 3 m cable between the machine and the controls
- For each function one operating element Hold-to-run control to execute the movement
- Interlock in order to prevent damage or mal operation, following functions are locked:
- Slewing only in max. lift position
- Height stop device only retractable at pick up slew position
- Lifting and lowering only possible in 2 slew-end-positions
- Non explosion proof design
- Location of control cabinet at the back of the Machine
- Electric installation acc. EN 60204, with single core labelling

Dimensions:





Technical Data	NTD 200	NTD 300	NTD 400	NTD 600	NTD 800	NTD 1000	NTD 1200	NTD 1500	NTD 1800	NTD 2000	NTD 2500	NTD 3000
L	1765	1965	1965	2165	2165	2365	2365	2365	2365	2365	2610	2660
L1	600	600	600	600	600	600	600	600	600	600	610	610
L2	850	950	950	1050	1050	1150	1150	1150	1150	1150	1250	1300
W	410	460	460	600	600	750	750	750	750	750	880	880
W1	750	750	750	750	750	750	750	750	750	750	750	750
H	4000	4000	4000	4100	4200	4200	4300	4400	4600	4800	5000	5000
H1	2500	2500	2500	2500	2500	2500	2500	2500	2500	2500	2500	2500
H2	3800	3800	3800	3900	4000	4000	4100	4200	4400	4600	4800	4800
Net Load(Kg)	200	300	400	600	800	1000	1200	1500	1800	2000	2500	3000
Total Power(Kw)	2.2	2.2	2.2	2.2	2.2	3	3	3	3	3	3	3
Total Weight(Kg)	500	550	600	650	800	850	950	1100	1200	1300	1900	2000

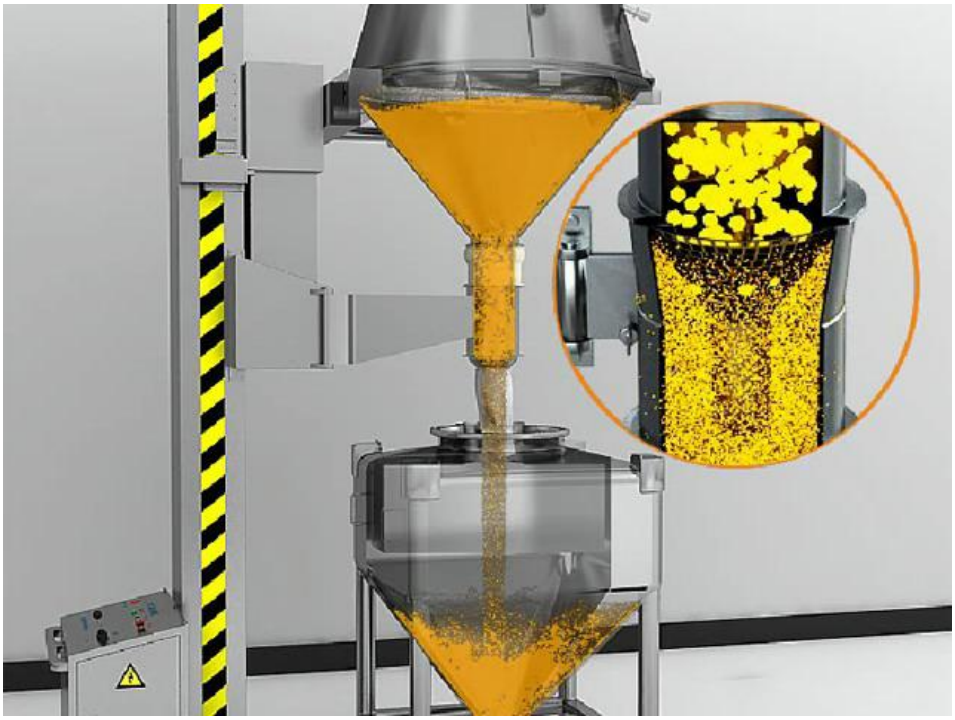
Pharma Lifter-For Fluid-bed Granulator Bowl

NTF series Pharma Lifter is mainly used in pharma-ceutical industry for shifting, transferring the operated granules out from the bowl of fluid-bed granulator or dryer and charge for the next processing equipment. It can be used along with such main processing equipments as flued-bed granulator of dryer and shift materials to the next processing equipment. Meanwhile, it can be widely used in such areas as raw medicine material industry, chemical industry, foodstuff industry, etc.

NTF

Features:

- Max load: 1000 kg.
- It's made of austemitic stainless steel.
- There is no dead angle, no concave-convex face, no screw on surface.
- Easy to wash.
- Tailor-made butterfly valve with no dead angle, no remnant, and appliance against wrong way operation is easy to dismantle and wash.
- Especially equipped with cone adapter with sealing set and butterfly valve for the bowl of FBG, the dust and cross pollution are well controlled.
- The surface contacting with materials is polished to high quality.
- Roughness degree inside is Ra≤0.2μm,and outside is Ra≤0.4μm.
- cGMP compliant.
- CE Marked.



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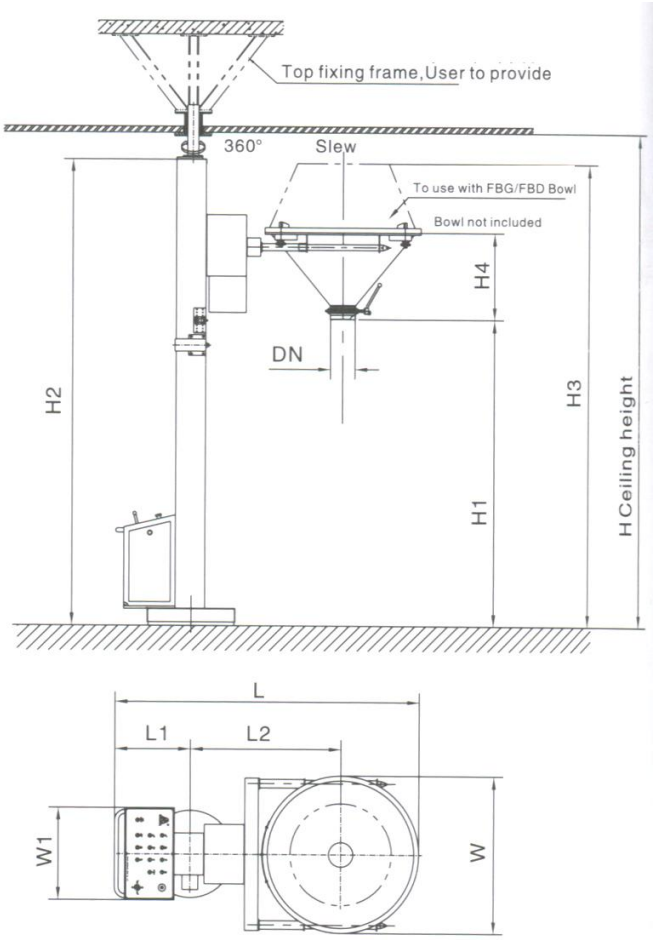


Technical Data	NTF50	NTF100	NTF200	NTF300	NTF500	NTF800	NTF1000
L	1544	1744	2340	2520	2741	2920	3150
L1	504	504	600	600	600	600	600
L2	750	850	1200	1280	1400	1480	1600
W	580	780	1080	1280	1482	1680	1900
W1	700	700	750	750	750	750	750
H	2100	2800	4000	4300	4300	4400	4500
H1	1300	1600	2500	2500	2500	2500	2500
H2	1900	2300	3800	4100	4100	4200	4300
H3	1930	2582	3694	3775	4125	4281	4311
H4	310	460	610	710	810	910	1010
DN	200	200	200	200	200	200	200
Net Load(Kg)	50	100	200	300	500	800	1000
Total Power(Kw)	1.62	1.62	2.75	2.75	3.55	3.75	3.75
Total Weight(Kg)	600	900	900	1100	1400	1600	1800

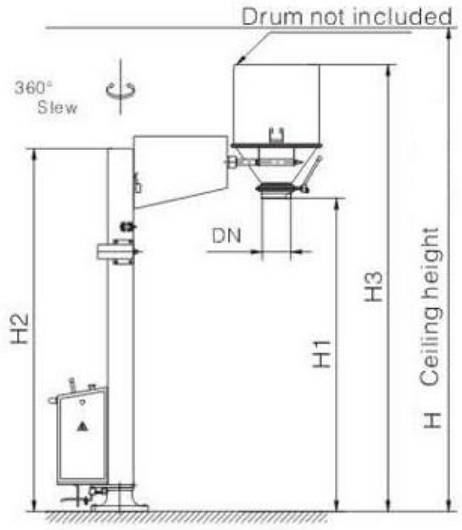
Drum Lifting Column-Fixed only in the floor

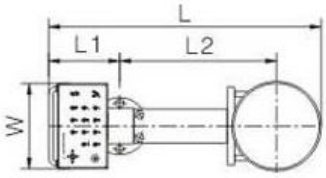
NTG series Drum Lifting Column is mainly used in the solid dosage production procedure for transferring and discharging materials, consequently it is operated with corollary equipments such as granulator, blender, tablets press, capsule filling machine, etc. Pharma Lifters, stationary are widely used in pharmaceutical, chemical, foodstuff industries, etc.

Features:

- Max load: 300 kg.
- It composed of chassis, column and drum inversion system.
- It has a reasonable structure with stable performances and easy operation.
- There has no dead angle or protruded screws.
- It designed with a device avoiding misoperation of the butterfly valve.
- Easy to wash.
- cGMP compliant.

Dimensions:





Technical Data												
Model	Main structural dimensions									Lifting Capacity (with drum)	Total power	Machine weight
	L	L1	L2	W	H	H1	H2	H3	DN	kg	kw	kg
NTG50	1800	420	1100	600	3200	2200	2550	2985	150	50	1.5	270
NTG100	1920	500	1100	700	3400	2200	2550	3150	200	100	2	340
NTG150	1920	500	1100	700	3510	2200	2550	3260	200	150	2.2	340
NTG200	1920	500	1100	700	3510	2200	2550	3320	200	200	2.5	340
NTG300	1920	500	1100	700	3150	2200	2550	3500	200	300	2.5	340

Closed Material Conveying System-split valve

NTJ series system is mainly used for closed material conveying in the solid dosage production procedure. High containment split valve is also named α β valve, split valve, is used in closed environment material transfer application for sterile product, toxic product or which harmful to human body.

NTJ

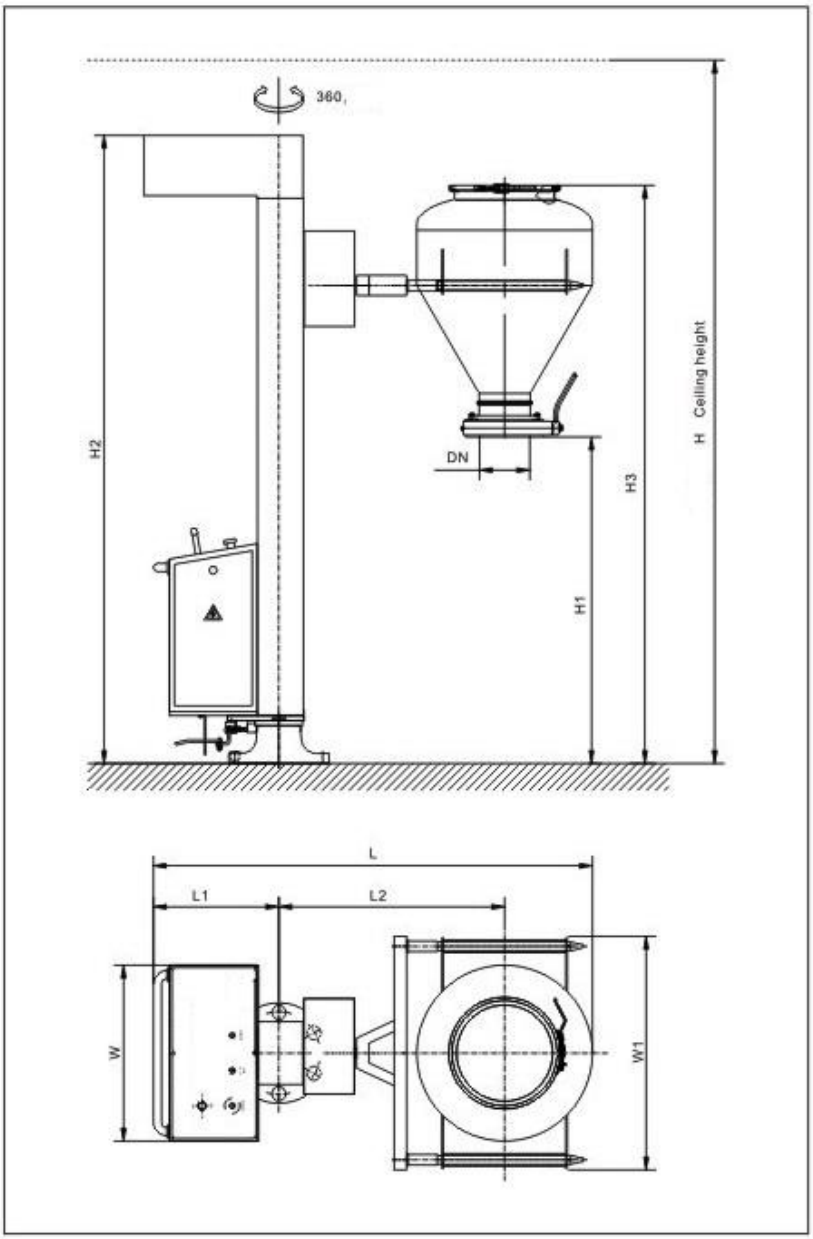
Principle:

The system is composed of pharma lifter, material container, split valve, etc. When working, pharma lifter lifts material container(with passive valve)to certain height, then inverts the container to connect downstream equipment receiving port. Connect and lock passive valve and active valve, and then open the split valve to transfer material.

Features:

The equipment is successfully designed on the basis of a wide research, absorption and digestion of foreign advanced models. It has a reasonable structure with stable performances and easy operation; the whole machine has no dead angle or protruded screws. Configured split valve in the system provides a high containment environment, is easy to deploy and washing for pollution control, ensuring a safe conveying process. The system complies entirely with GMP and FDA requirements for medicine production.

Dimensions:



Technical Data	Main structural dimensions									Net load(with bin)kg	Total Power Kw	Machine Weight Kg
	L	L1	L2	W	W1	H	H1	H2	DN			
NTJ100	1750	500	900	700	930	2800	1300	2500	200	100	1.5	400

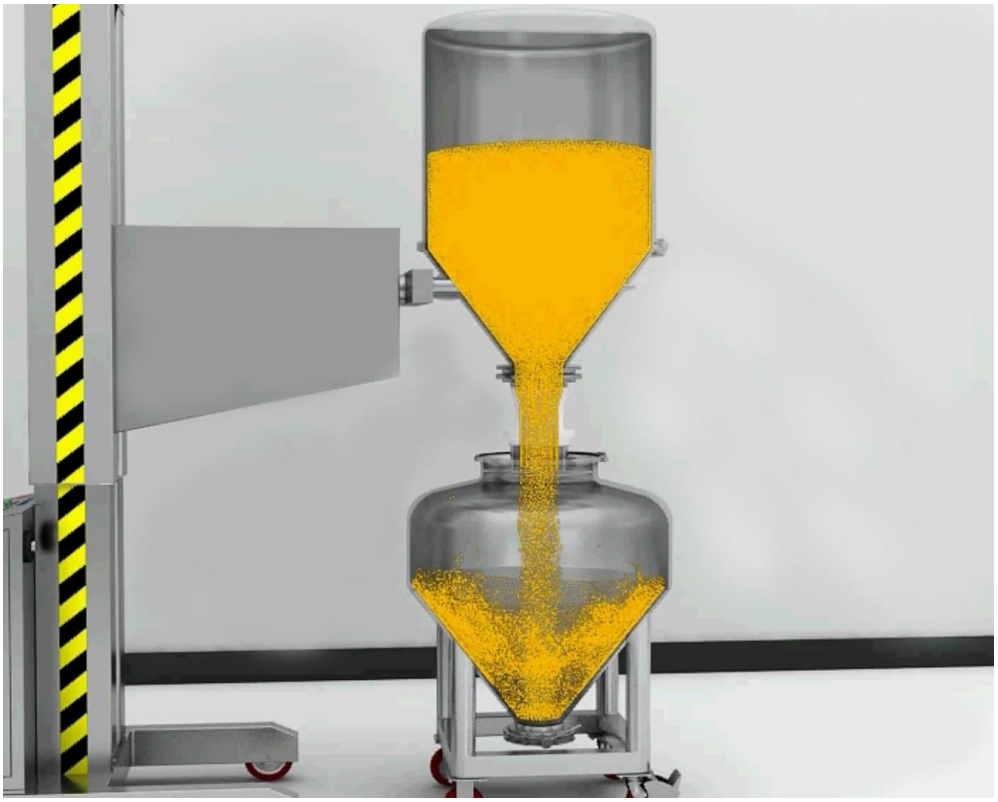
Pharma Lifter-Telescopic&Movable

NTS series Pharma Lifter is mainly used in pharmaceutical industry for transferring and charging powder and granules. It can be used along with equipments such as blender, mixers, mill cum sifter, tablet press, coating machines, capsule filling machines and so on. Using the TS series Pharma Lifter has optimized the producing flow and avoided dust and cross pollution. It's the desirable transferring equipment in pharmaceutical industry for solid dosage sector. Meanwhile, it can be widely used in such areas as raw medicine material industry, chemical industry, and foodstuff industry.

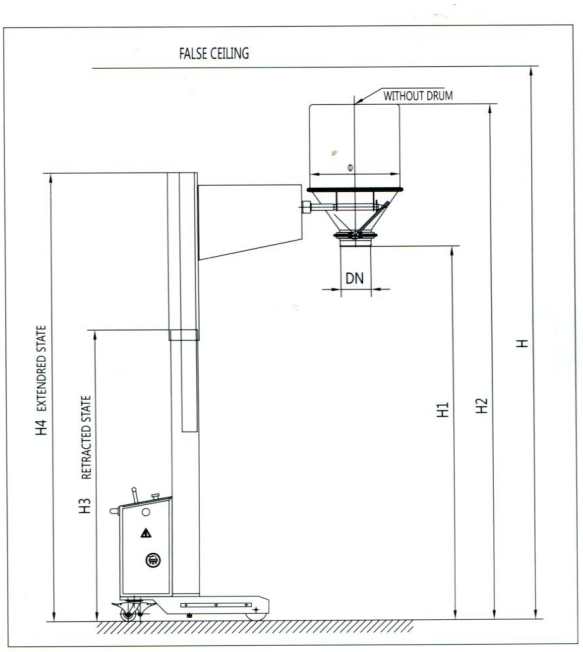
NTS

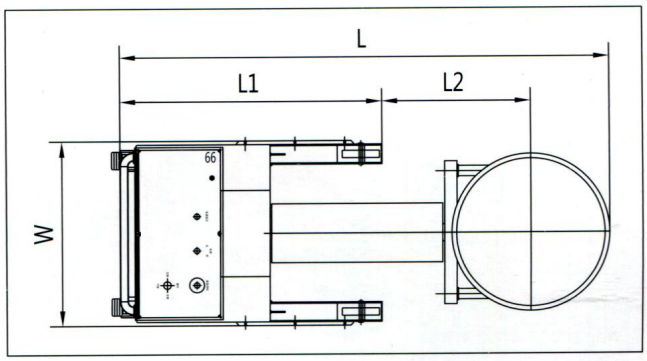
Features:

- Max load: 130 kg.
- Suit for discharging to coating machine,packing machine etc.
- Discharge at any heights.
- Labour saving.
- Application in other rooms.
- Telescopic column.
- Movable.
- Rotary drum.
- Dead man operation.
- cGMP compliant.



Dimensions:





Technical Data	NTS50	NTS80	NTS100	NTS120	NTS150	NTS200
L	1700	1700	1980	1980	1980	1980
L1	950	950	1060	1060	1060	1060
L2	500	500	600	600	600	600
W	650	650	750	750	750	750
H	3500	3500	3500	3600	3700	3800
H1	2500	2500	2500	2500	2500	2500
H2	3135	3285	3280	3340	3450	3620
H3	1950	1950	1950	1950	1950	1950
H4	3000	3000	3000	3000	3000	3000
φ	500	500	600	600	600	600
DN	150	150	200	200	200	200
Net load	30	50	65	80	100	130
Total power	1.12	1.12	1.87	1.87	1.87	1.87
Total Weight	370	370	470	470	470	470

Drum Lifting Column-Movable

NTY series Pharma Lifter is mainly used in the solid dosage production procedure for transferring and discharging materials, consequently it is operated with corollary equipments such as blender, mill facility, coater, tablets press, capsules filling machine, etc. Pharma Lifters, movable are widely used in pharmaceutical, chemical, foodstuff industries, etc.

NTY

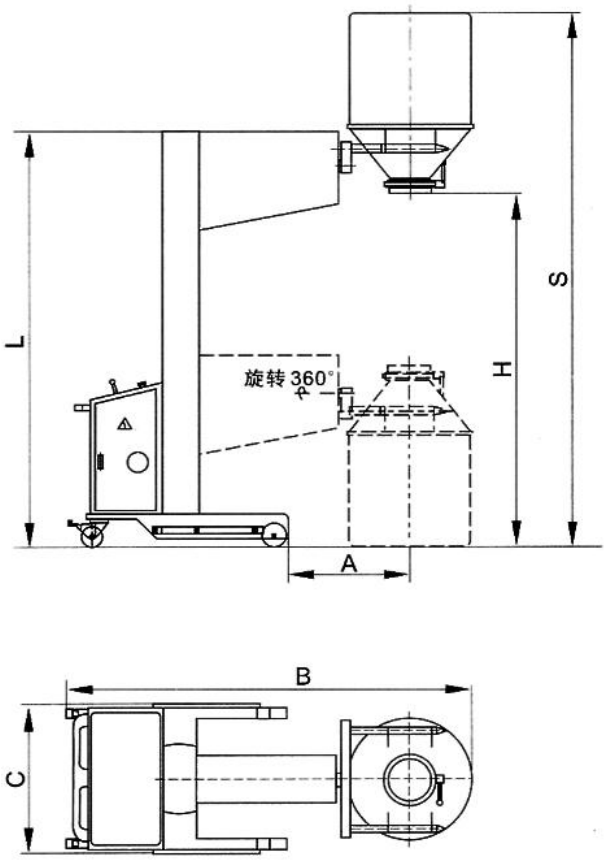
Principle:

This equipment is composed of chassis trolley, lifting and drum inversion systems. When operating, lock first the drum with the cone adapter, then press “Raise” button to raise the drum. When it’s raised in position, press “Invert” button to invert it 180° and align the Pharma Lifter, movable to dock to the inlet of the next processing equipment, and then open the butterfly valve to discharge the materials.

Features:

This equipment is successfully designed on the basis of a wide research, absorption and digestion of foreign advanced models. It has a reasonable structure with stable performances and easy operation; the whole machine has no dead angle or exposed screws. To ensure a safe production, it is also designed with a device avoiding misoperation of the butterfly valve which is easy to dismantle and wash. Consequently, powder dust or cross pollution are effectively controlled to optimize the production process. NTY Series Pharma Lifters, movable comply entirely with GMP requirements for medicine production.

Dimensions:



Technical Data	NTY50	NTY100
A	500	600
B	1700	2000
C	650	750
L	1950	1950
H	1800	1800
S	2570	2750
Load(kg)	50	100
Power(Kw)	0.75	1.5
Weight(kg)	310	420

Lifting Conic Mill-Moveable

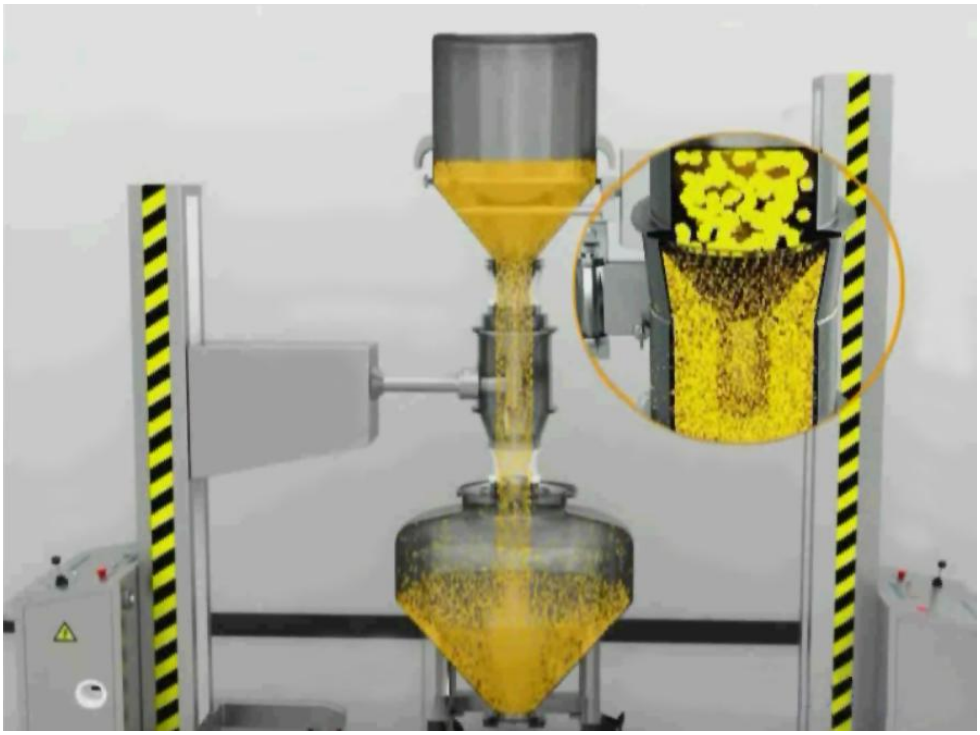
ZLT series Lifting Conic Mill is mainly widely used in pharmaceutical, chemical, foodstuff industries, etc. for mill and homogenization of granules, and de-agglomeration of agglomerates in order to obtain acceptable uniform granules according to the process requirements.

Principle:

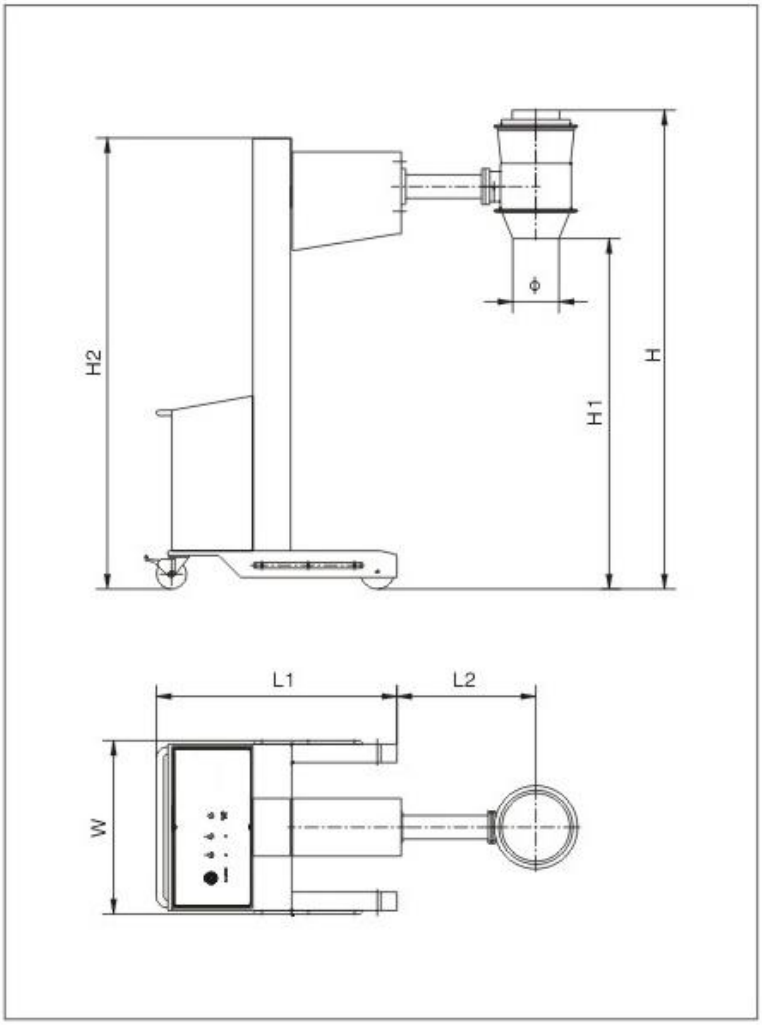
Move the Lifting conic mill under NTF Series Pharma Lifter, for FBG/FBD Bowl; and align it with the butterfly valve of the cone adapter. Then, start operating; granules are discharged into the cone mill where they are going to be extruded, cut and grinded by the mill blades which force the granules to pass through the conical screen and get a uniform size. And finally, granules are discharged into bins.

Features:

The chassis is set with four casters supporting a great mobility. The height of the mill cum sifter can be raised or lowered according to specific height requirements, therefore satisfying customer's production process requirements. Consequently, powder dust or cross pollution are effectively avoided. ZLT Series Lifting Mill cum Sifter complies entirely with GMP requirements for medicine production.



Dimensions:



Technical Data													
Model	L1	L2	W	H			H1			H2	Ø	Power Kw	Max mill production capacity kg/h
				Low Pos	Mid.Pos	High Pos	Low Pos	Mid.Pos	High Pos	Column			
ZLT200	950	600	650	2030	2530	3030	1500	2000	2500	1950	200	1.1	200
ZLT450	950	600	650	2070	2570	3070	1500	2000	2500	1950	200	4.0	450
ZLT700	950	600	650	2080	2580	3080	1500	2000	2500	1950	200	5.5	700
ZLT1000	950	600	650	2100	2600	3100	1500	2000	2500	1950	200	5.5	1000

Moveable & Semi-Auto Washer for Bin and Container

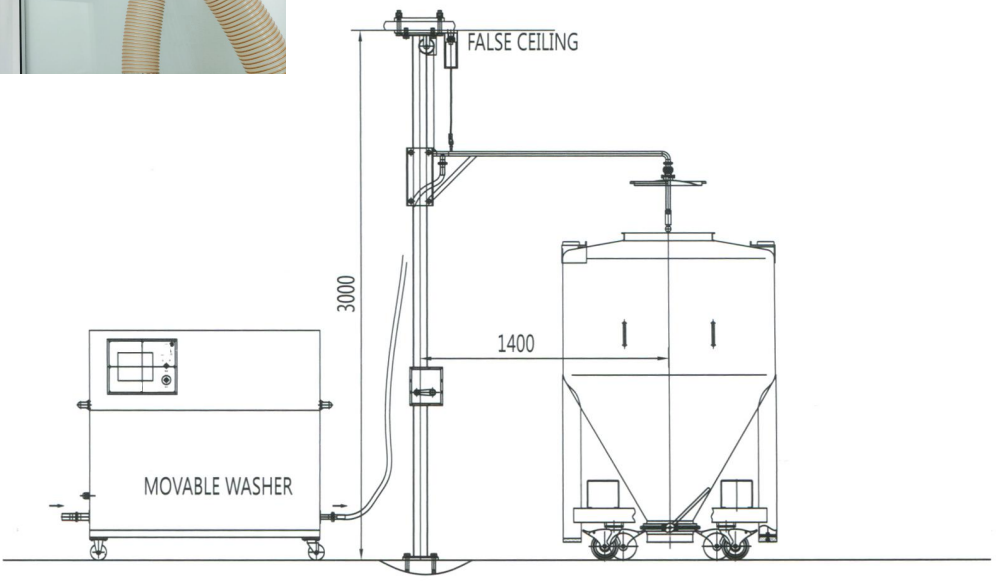
QY-5 Movable Washer is the main containers washing equipment in the solid dosage production procedure. One main machine can wash various bin and container specifications and, consequently it is considered as the ideal washing equipment in pharmaceutical industry. It is also widely used in chemical, foodstuff industries, etc

Principle:

This equipment is composed of pump station, washing and control systems. When operating, push the used bin or container in the washing room, take down the bin lid, then put on the lid installed with rotating washing ball and prepare all the washing processes. Then, set the washing procedure according to the process requirements. On confirmation, start the washing procedure according to the set parameters. When the washing is finished, the machine stops automatically. Outer surfaces of the bin or container are washed manually by the operator with a high pressure water jet. Finally, push the washed bin or container in a drying room for drying purpose and then store it in a clean room for next production usage.

Features:

This equipment is successfully designed on the basis of a wide research, absorption and digestion of foreign advanced models. It has a reasonable structure with stable performances and easy operation; the whole machine has no dead angle or protruded screws. The washing process has been greatly optimized with user friendly operation. QY Series Movable Washers comply entirely with GMP requirements for medicine production.



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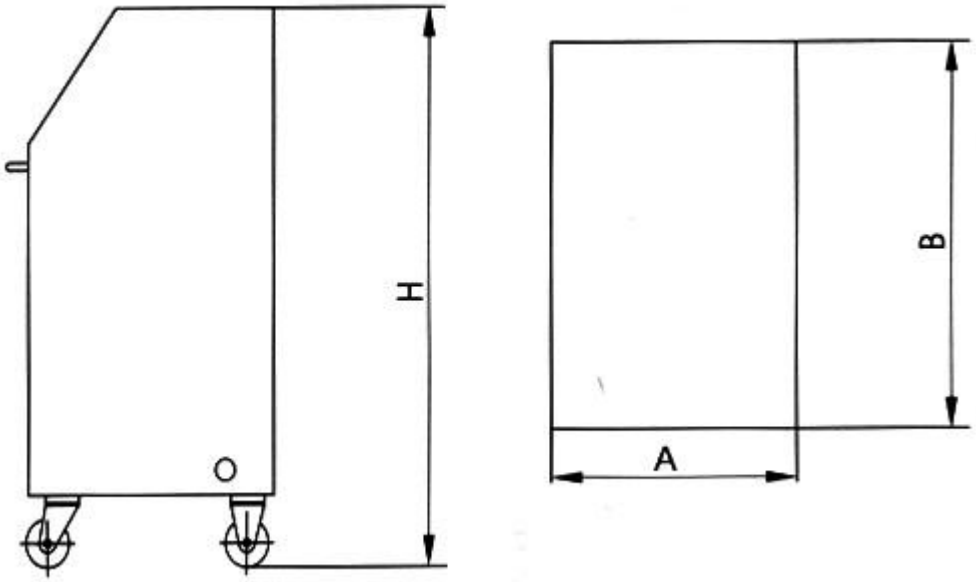


Technical Data	QY-5
Flow rate(T/h)	5
Pressure(Bar)	6.3
B	1300
A	800
H	1300

Automatic Washing Station for IBC Bin

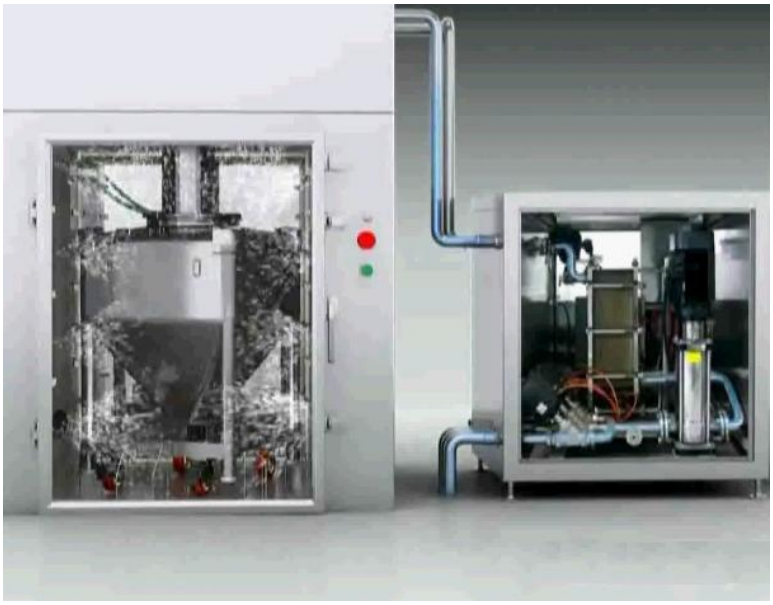
QD series bin washing station is mainly used in solid preparation process for vessel automatic washing and drying. It can satisfy different specification pharma bins or IBC washing requirements. Considered as ideal equipment for vessel automatic washing, it is widely used in pharmaceutical, chemical and foodstuff industries.

Principle:

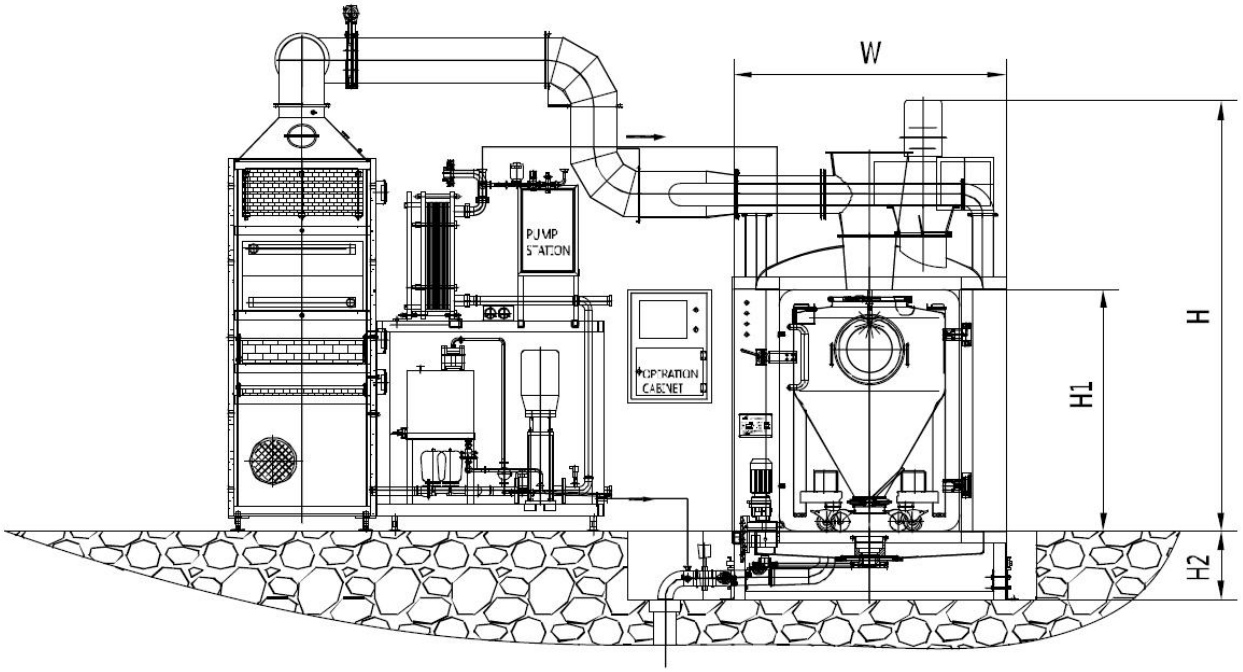
QD series Automatic Washing Station consists of washing system, pump system, air handling system, and control system. To start to work, open the entrance door of the washing station, push the used containers such as bins, intermediate bulk containers into the station. When oriented, close the entrance door, and prepare for cleaning. Assign the working procedures (hot water, detergent, ionic water) and parameters at cleaning time, drying time according to craft requirements. After confirmed, switch on the whole system to start to work according to procedures and parameters assigned in advanced. The surfaces outside of the container are cleaned by the nozzles proportioned on the inner walls of the station; the surfaces inside of the container are cleaned by the spray nozzle with telescopic appliance. After cleaned, drying procedure works automatically Until finishing the whole work cycle. Open the exit door of the washing station, pull out the cleaned and dried container and shift it to the intermediate storage for use of the next work cycle to attain a safe production.

Features:

- Low power and cosumption,energy saving.
- Highest cleaning performance.
- Easy operation.
- Repeatable and validatable process.
- Washing and drying executed in the same chamber.
- High automation.
- Suit for multi-specification bin washing.
- Self cleaning.
- Recycle washing system
- Turn plate.



Dimensions:



Technical Data	QD400	QD600	QD800	QD1000	QD1200	QD1500	QD1800	QD2000	QD3000
W(mm)	1600	1800	1800	2100	2100	2100	2100	2100	2600
H(mm)	2500	2840	2840	3000	3100	3250	3400	3600	4050
H1(mm)	1350	1600	1600	1700	1800	1950	2100	2300	2650
H2(mm)	450	450	450	450	450	450	450	450	500
Pump Power(kW)	3	3	3	3	3	3	3	3	5.5
Pump Flow(t/h)	10	10	10	10	10	10	10	10	15
Pump Pressure Bar(MPa)	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.67
Compress Air Pressure(MPa)	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
Comp-Air Consumption(m3/min)	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
Steam Pressure(MPa)	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
Steam Flow(kg/h)	800	800	800	800	800	800	800	800	800
Fan Power(kW)	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
Exhaust Fan Power(kW)	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5
Total Power(kW)	11	11	11	11	11	11	11	11	13.5
Machine Weight(t)	3.7	3.9	3.9	4.1	4.1	4.3	4.3	4.6	4.6

Bin Washing Station-Double Chamber

QDS series bin washing station is mainly used in solid preparation process for vessel automatic washing and drying. It can satisfy different specification pharma bins or IBC washing and drying requirements. Considered as ideal equipment for vessel automatic washing and drying on a large scale, it is widely used in pharmaceutical, chemical and foodstuff industries.

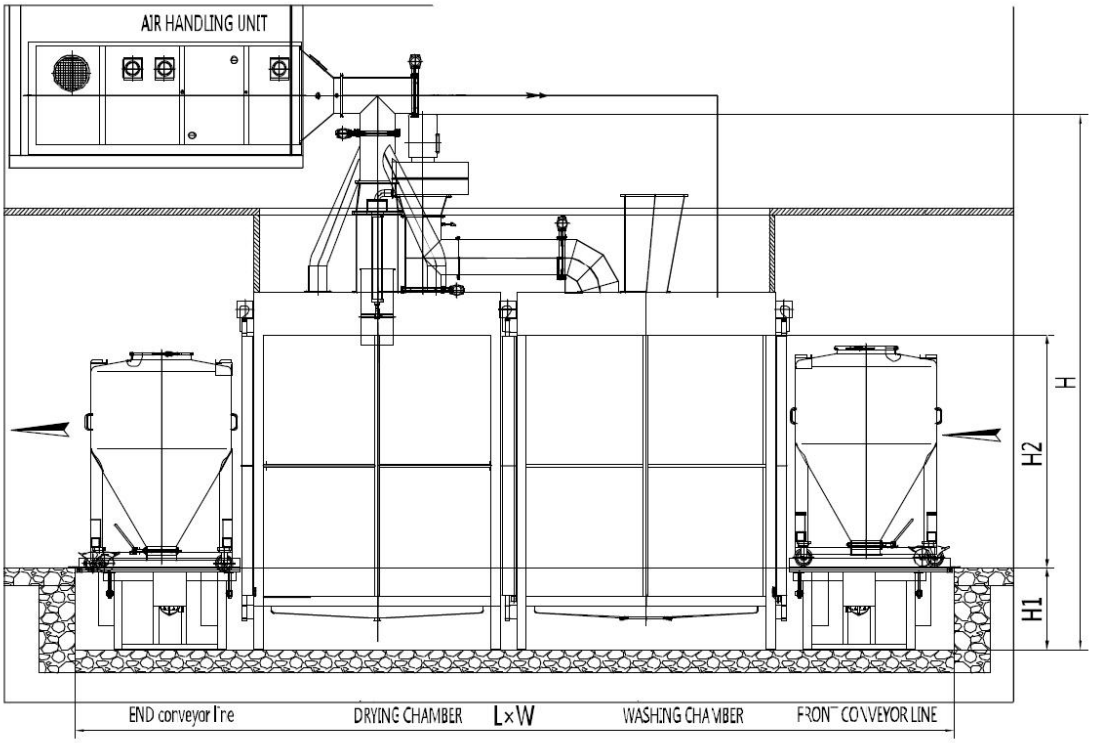
Principle:

This equipment is composed of front conveyor line, washing chamber, drying chamber, rear conveyor line, pump station, air handing unit(AHU),electric cabinet and operation box. Bin conveying, washing, drying and cooling are finished automatically according to preset recipe. Continuous operation is achieved by automatic PLC control. When operator push the bin on the front conveyor line, the bin automatically go through washing, drying, cooling processes and arrive rear conveyor line. Then remove the bin and store it in a clean intermediate room for next production usage.

Features:

- Low power and cosumption.
- Highest cleaning performance.
- Easy operation.
- Repeatable and validatable process.
- Save washing time.
- Parallel washing and drying process at the same time.
- High automation.
- Continous working.
- Automatic Identification system(AIS) available.
- Suit for multi-specification bin washing.
- Safety and interlock system.
- Self chamber cleaning.
- Recycle washing system.

Dimensions:



Technical Data	QDS600	QDS800	QDS1000	QDS1200	QDS1500	QDS1800	QDS2000
L(mm)	6900	6900	8150	8150	8150	8150	8150
H(mm)	4150	4150	4300	4400	4550	4700	4900
H1(mm)	700	700	700	700	700	700	700
H2(mm)	1500	1500	1650	1750	1900	2050	2250
Pump Power(kW)	3	3	3	3	3	3	3
Pump Flow(t/h)	10	10	10	10	10	10	10
Pump Pressure Bar(MPa)	0.63	0.63	0.63	0.63	0.63	0.63	0.63
Compress Air Pressure(MPa)	0.6	0.6	0.6	0.6	0.6	0.6	0.6
Comp-Air Consumption(m3/min)	2.3	2.3	2.3	2.3	2.3	2.3	2.3
Steam Pressure(MPa)	0.4	0.4	0.4	0.4	0.4	0.4	0.4
Steam Flow(kg/h)	800	800	800	800	800	800	800
Fan Power(kW)	1.5	1.5	1.5	1.5	1.5	1.5	1.5
Exhaust Fan Power(kW)	5.5	5.5	5.5	5.5	5.5	5.5	5.5
Total Power(kW)	15	15	15	15	15	15	15
Machine Weight(t)	6.8	6.8	6.8	7.2	7.2	7.2	7.2

Round IBC Bin

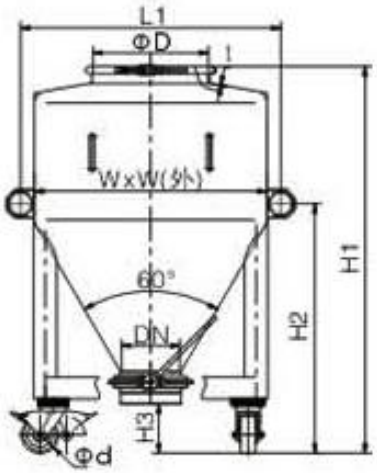
Materials Storage, Transportation

LDC Series Pharmaceutical Bin is one of the most popular shifting containers used in the producing flow of solid dosage. Different processing crafts for solid materials can be operated in the same container. The frequent charging and discharging of materials are reduced thus avoiding the dust and cross pollution. It’ s conformity with GMP requirements.

Features:

It's made of Austenitic stainless steel. All angles are cambered. There is no dead angle, no concave/convex face and no screw on the surface. The surfaces outside and inside are polished to high quality. Roughness degree inside is Ra =0.2 μ m, and outside is Ra= 0.4 μ m. Applying sealing appliances made of silicon latex on the cover to gain a good airproof quality. Tailor-made butterfly valve with no dead angle, no remnant, and appliance against wrong way operation is easy to dismantle and clean.

Dimensions:



Parameters	Volume	Main structural dimensions						
	L	H1	H2	H3	ØD1	ØD1	Ød	DN
LDC100	100	900	140	160	400	660	100	150
LDC150	150	992	140	167	400	750	100	200
LDC200	200	1104	140	167	400	750	100	200
LDC300	300	1106	185	87	400	900	125	200
LDC400	400	1261	185	87	400	900	125	200
LDC500	500	1416	185	87	400	900	125	200
LDC600	600	1468	185	231	500	1200	125	250
LDC800	800	1654	185	231	500	1200	125	250
LDC1000	1000	1654	185	81	500	1200	125	250

Square IBC Bin

Materials Storage, Transportation

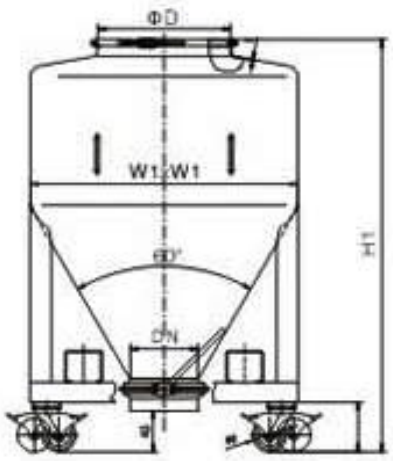
LDF Series Pharmaceutical Bin is one of the most popular shifting containers used in the producing flow of solid dosage. Different processing crafts for solid materials can be operated in the same container. The frequent charging and discharging of materials are reduced thus avoiding the dust and cross pollution. It’ s conformity with GMP requirements.

LDF

Features:

It's made of Austenitic stainless steel. All angles are cambered. There is no dead angle, no concave/convex face and no screw on the surface. The surfaces outside and inside are polished to high quality. Roughness degree inside is Ra =0.2 μ m, and outside is Ra= 0.4 μ m. Applying sealing appliances made of silicon latex on the cover to gain a good airproof quality. Tailor-made butterfly valve with no dead angle, no remnant, and appliance against wrong way operation is easy to dismantle and clean.

Dimensions:



Parameters	Volume	Main structural dimensions						
	L	H1	H2	H3	ØD	Ød	W1	DN
LDF100	200	1097	150	158	400	100	594	150
LDF300	300	1178	185	202	400	125	794	200
LDF400	400	1293	185	170	400	125	794	200
LDF600	600	1371	185	187	500	125	994	250
LDF800	800	1541	185	152	500	125	994	250
LDF1000	1000	1591	211	173	500	150	1194	250
LDF1200	1200	1741	211	186	500	150	1194	250
LDF1500	1500	1888	211	119	500	150	1194	250
LDF1800	1800	2088	211	103	500	150	1194	250
LDF2000	2000	2238	211	113	500	150	1194	250

Round Tablets Bin

Tablets Storage, Transportation

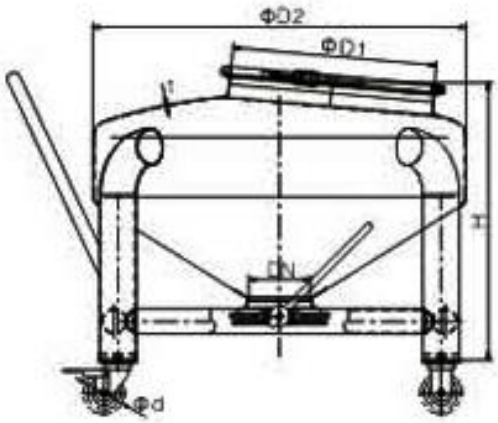
LDP Series Pharmaceutical Bin is one of the most popular shifting containers used in the producing flow of solid dosage. Different processing crafts for solid materials can be operated in the same container. The frequent charging and discharging of materials are reduced thus avoiding the dust and cross pollution. It’ s conformity with GMP requirements.

LDP

Features:

It's made of Austenitic stainless steel. All angles are cambered. There is no dead angle, no concave/convex face and no screw on the surface. The surfaces outside and inside are polished to high quality. Roughness degree inside is Ra =0.2 μ m, and outside is Ra= 0.4 μ m. Applying sealing appliances made of silicon latex on the cover to gain a good airproof quality. Tailor-made butterfly valve with no dead angle, no remnant, and appliance against wrong way operation is easy to dismantle and clean.

Dimensions:



Parameters	Volume	Main structural dimensions				
	L	ØD1	ØD2	Ød	DN	H
LDP200	200	400	900	100	150	672
LDP300	300	400	900	100	150	738
LDP400	400	400	1200	100	150	858
LDP500	500	400	1200	100	150	959
LDP600	600	400	1200	100	150	1050

Pharma Bin

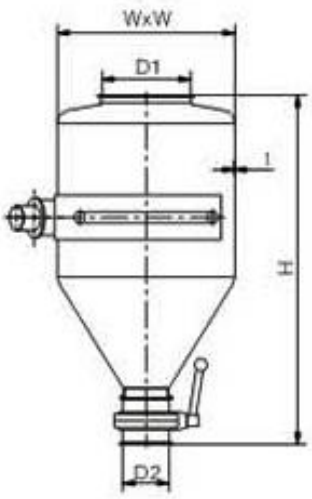
To use with HSD Bin Blender

LDS Series Pharmaceutical Bin is one of the most popular shifting containers used in the producing flow of solid dosage. It can be used along with HSD series Bin Blender. Different processing crafts for solid materials can be operated in the same container. The frequent charging and discharging of materials are reduced thus avoiding dust and cross pollution. It’ s conformity with GMP requirements.

Features:

It's made of Austenitic stainless steel. All Angles are cambered. There is no dead angle, con concave-convex face and no screw on surface. The surface outside and inside are polished to high quality. Roughness degree inside is Ra = 0.2 μ m, and outside is Ra = 0.4 μ m. Applying sealing appliance made of silicon latex on the cover to gain a good airproof quality. Tailor-made butterfly valve with no dead angle, no remnant, or appliance against wrong way operation is easy to dismantle and clean. It's in conformity with GMP requirements.

Dimensions:



Parameters	Volume	Main structural dimensions			
	L	H	ØD1	ØD2	W
LDS2	2	151	101.6	38	150
LDS5	5	358	127	50	190
LDS10	10	384	127	50	260
LDS15	15	465	127	50	260
LDS20	20	456	200	75	320
LDS25	25	506	200	75	320
LDS30	30	556	200	75	320
LDS35	35	606	200	75	320
LDS50	50	638	200	100	400
LDS75	75	783	200	100	400
LDS100	100	653	400	200	550

Pharma Bin

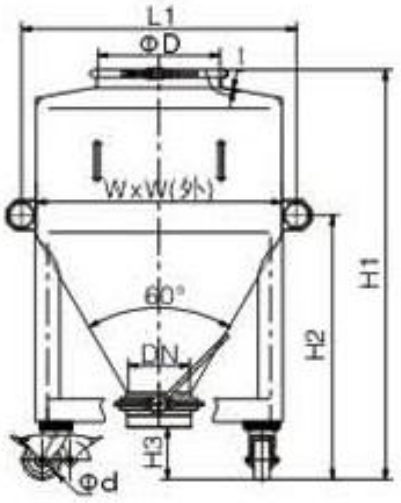
To use with HTD Bin Blender

LDT Series Pharmaceutical Bin is one of the most popular shifting containers used in the producing flow of solid dosage. It can be used along with HTD series Post Bin Blender. Different processing crafts for solid materials can be operated in the same container. The frequent charging and discharging of materials are reduced thus avoiding dust and cross pollution. It ' s conformity with GMP requirements.

Features:

It's made of Austenitic stainless steel. All Angles are cambered. There is no dead angle, con concave-convex face and no screw on surface. The surface outside and inside are polished to high quality. Roughness degree inside is Ra = 0.2 μ m, and outside is Ra = 0.4 μ m. Applying sealing appliance made of silicon latex on the cover to gain a good airproof quality. Tailor-made butterfly valve with no dead angle, no remnant, or appliance against wrong way operation is easy to dismantle and clean. It's in conformity with GMP requirements.

Dimensions:



Parameters	Volume	Main structural dimensions							
	L	H1	H2	H3	L1	ØD	Ød	W1	DN
LDT50	50	714	500	130	630	200	100	394	150
LDT100	100	910	550	204	630	400	100	544	150
LDT200	200	946	700	100	770	400	100	694	200
LDT300	300	1258	800	180	788	400	125	694	200
LDT400	400	1318	850	166	888	400	125	794	200
LDT600	600	1475	950	163	988	500	125	894	200
LDT800	800	1508	1000	141	1088	500	125	994	200
LDT1000	1000	1672	1050	125	1210	500	125	1094	250

Pharma Bin

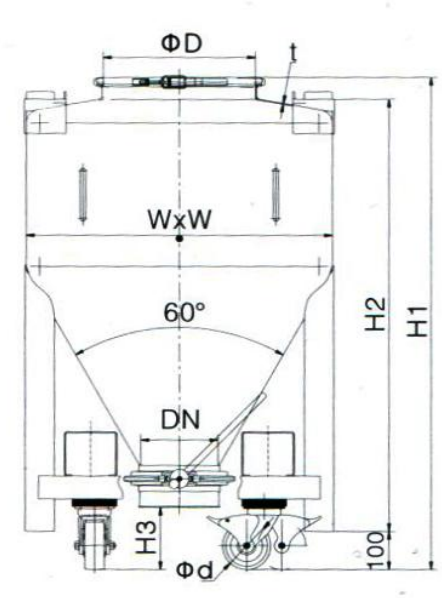
To use with HZD, HDD Bin Blender

LDZ Series Pharmaceutical Bin is one of the most popular shifting containers used in the producing flow of solid dosage. It can be used along with HZD series Bin Blender, HDD series Bin Blender, etc. Different processing crafts for solid materials can be operated in the same container. The frequent charging and discharging of materials are reduced thus avoiding dust and cross pollution. It’ s conformity with GMP requirements.

Features:

It's made of Austenitic stainless steel. All Angles are cambered. There is no dead angle, con concave-convex face and no screw on surface. The surface outside and inside are polished to high quality. Roughness degree inside is Ra = 0.2 μ m, and outside is Ra = 0.4 μ m. Applying sealing appliance made of silicon latex on the cover to gain a good airproof quality. Tailor-made butterfly valve with no dead angle, no remnant, or appliance against wrong way operation is easy to dismantle and clean. It's in conformity with GMP requirements.

Dimensions:



Parameters	Volume	Main structural dimensions							Weight
	L	H1	H2	H3	ØD	Ød	W1	DN	kg
LDZ300	300	1118	960	138	400	125	794	200	145
LDZ400	400	1287	1130	165	400	125	794	200	155
LDZ600	600	1366	1200	151	500	125	994	200	185
LDZ800	800	1545	1375	118	500	125	994	200	200
LDZ1000	1000	1586	1400	168	500	150	1194	250	248
LDZ1200	1200	1736	1550	181	500	150	1194	250	285
LDZ1500	1500	1868	1680	99	500	150	1194	250	312
LDZ1800	1800	1982	1800	141	500	150	1194	250	328
LDZ2000	2000	2238	2055	113	500	150	1194	250	355
LDZ3000	3000	2395	2185	100	500	150	1500	250	400

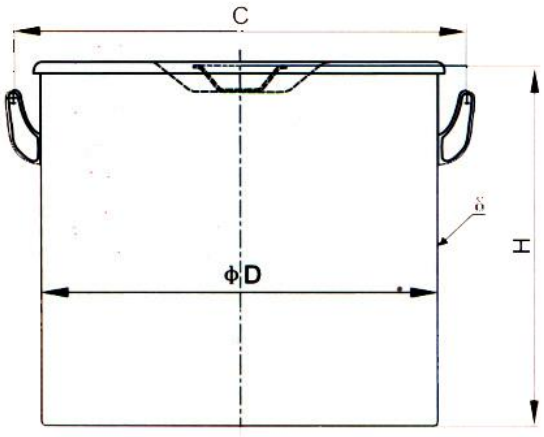
Drum

LT series Drum is one of the popular transferring and shifting containers used in the producing flow of solid dosage. By using them along with NT series Pharma Lifters and sone other related equipments, the producing flow and materials transferring system is optimized, the dust and cross pollution are well controlled. It’s in conformity with GMP requirements.

Features:

It's made of Austenitic stainless steel. All angles are cambered. There is no dead angle, no concave-convex face and no screw, no remnant on surface. The surface outside and inside is polished to high quality. It's in conformity with GMP requirements.

Dimensions:



Parameters	C	ØD	H	δ
LT50	580	Ø500	460	1
LT100	680	Ø600	570	1

SaintyCo also offer:

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Capsule Counting Line

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