

DH *series*

High Speed Rotary Tableting Press Machine

Introduction

DH Series – High Speed Rotary Tableting Press Machine

- Machine offers 10 ton main compression
- Single Layer Double Side Output
- Bi-layer Single Side Output

The DH has the flexibility to produce both single and bi-layer tablets. Bi-layer kit can be switched easily at any time, which includes first-layer sampling, both layers separation to avoid cross-pollution, tablet dyed and maximize the performance in minimize space. Production, adjusting and driving zone are separated individually to minimize risk of cross-pollution during running. Turret with 25–35 station, suitable for small to medium volume and research requirement.



Equipment Feature



1



Powder Level Control

Maintain consistent down-pressure in hopper as powder is consumed. Device keeps stable downforce and provides good weight stability.

2



Forced Feeder

With impellers rotating to enhances powder flowability and improves powder filling. Sealed type filling to minimize flying dust.

3



Composite Turret

Easy switch between B and D type on the same turret. This feature allows flexibility in developing various products and tooling types, enhancing research and product development.

Production Zone

Adjusting Zone

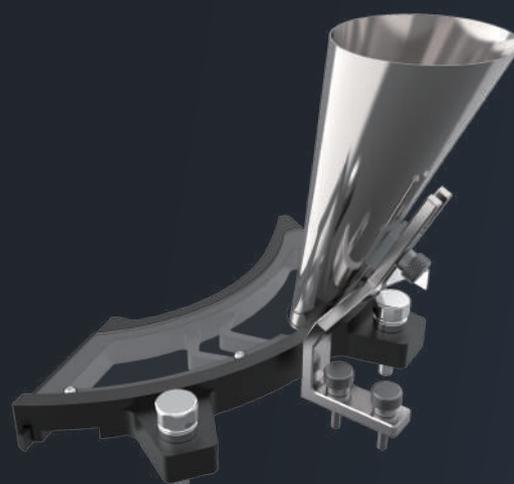
Driving Zone



Production, adjusting and driving zone are separated individually to minimize risk of cross-pollution during running.

4 Experimental Hopper

Designed for efficiency, hopper requires only small amounts of powder for continuous production. Eliminates the hassle of manual single tablet additions, significantly improving the convenience and stability of the experimental process.



5 Die Table Vacuum Cleaning

Die Table Vacuum Cleaning – On bi-layer tablet process, die tablet with vacuum cleaning to avoid cross-pollution and tablet dyed.



6 First Layer Sampling

Tablets though first pre-compression to get enough hardness without broken during sampling. Sampling automatically and quantity based on parameter setting. Sampling for manual as well.



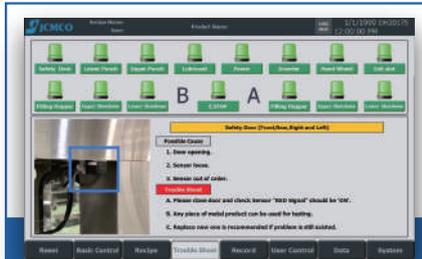
HMI control Panel

Quick and easy operating. Provide machine status, process data, production recipes and machine trouble shoot, etc. Interface user management with password control, fully 21 CFR part 11 compliant.



Tooling Compression Force Detect

Tooling compression display, keep and control accuracy easier during on production.



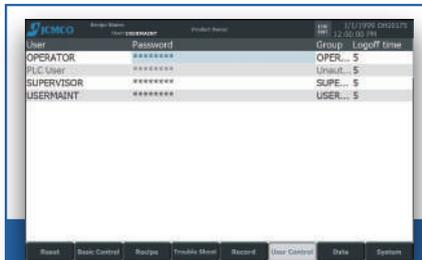
Machine Alarm Trouble Shooting

Alarm position, information and solution.



E-Product Recipes

Save and download product parameters automatically. Quickly and easily operate.



User Management Control

Access level setting.



Auto Tablet Sampling

1st layer sampling and 2nd layer defective rejected automatically based on parameter setting as requirement.

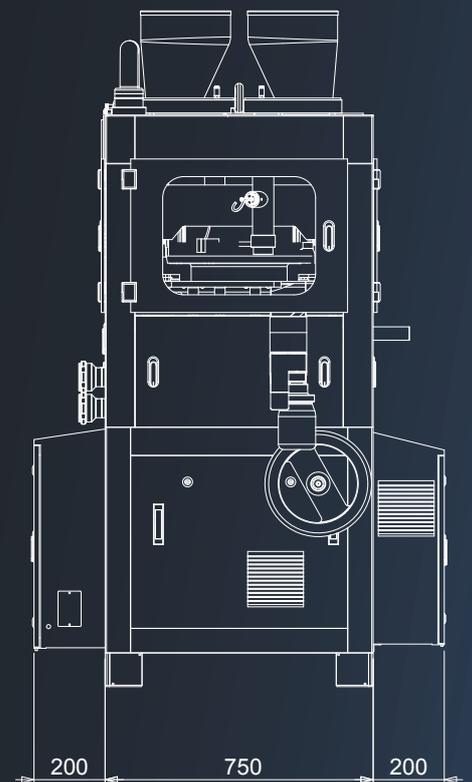
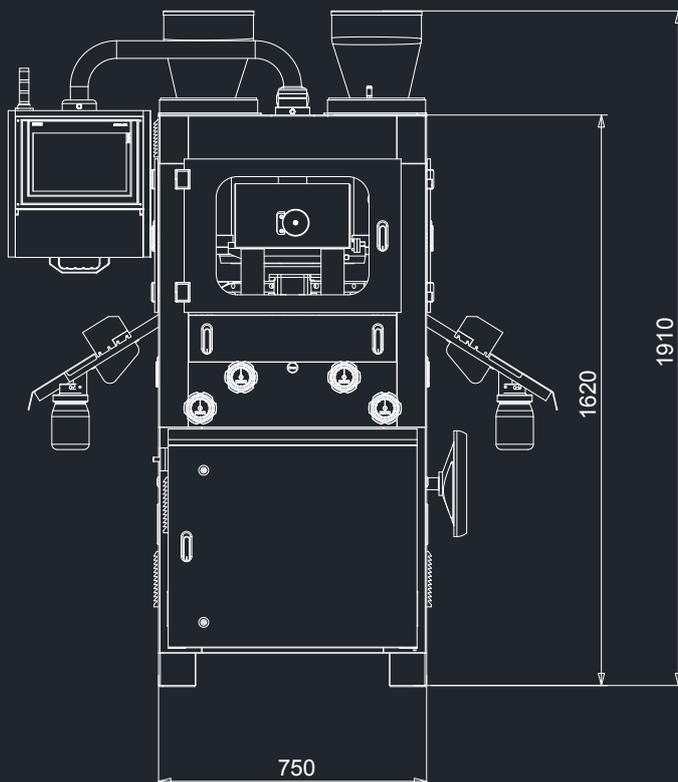
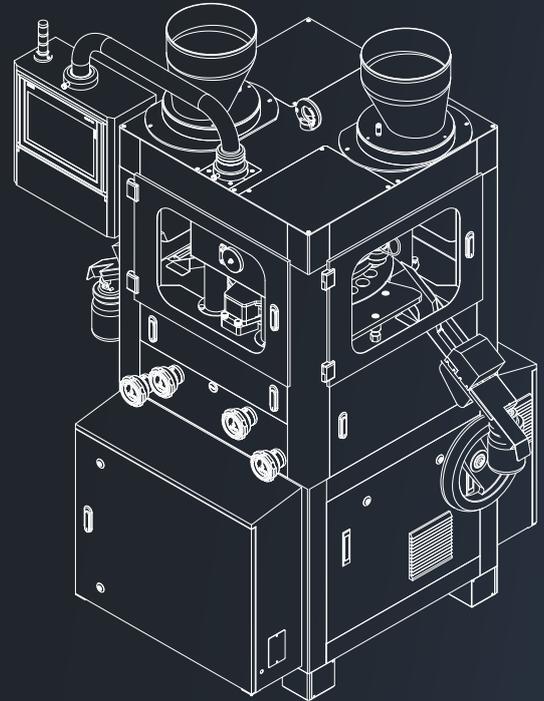
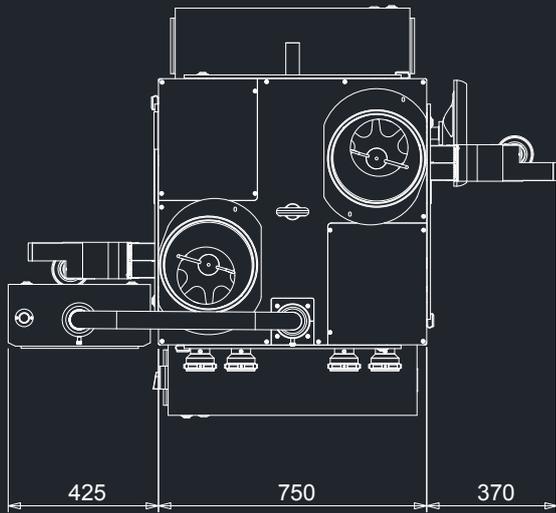
Smart Touch Screen



Back Up System Manually Control



Dimension



Specification

JC-DH-25D

JC-DH-29DB

JC-DH-32B

JC-DH-35BB

Tooling stations		25	29	32	35
Tooling Type	EU/IPT	D	DB	B	BB
Tooling Length	mm	133.6 (EU) / 133.35 (IPT)			
Tooling Diameter	mm	25.35		19	
Die Diameter	mm	38.1	30.16		24
Die Height	mm	23.81		22.22	
Main Compression	kN	98			
Tablet Max. Length (Irregular)	mm	25	19	19	13
Tablet Max. Diameter (Round)	mm	20	16	16	11
Filling Depth Max.	mm	19	19	19	19
Turret RPM Max.	RPM	50			
Capacity Max.	Tabs/h.	198,000(S) 99,000(Bi)	234,000(S) 117,000(Bi)	258,000(S) 129,000(Bi)	306,000(S) 153,000(Bi)
Turret P.C.D	mm	365			
Motor Scale	hp	3.0(2.2kw)			
Machine Dimensions	mm L x W x H	1150 x 750 x 1620			
Machine Weight	kg	1800			

Standard & Optional Features

Standard	Optional
Upper Turret Key Way	Composite Turret
Upper Punch Dust Proof Cover	Lower Turret Key Way
Turret RPM Indicator	Forced Feeder
Alarm Trouble Shooting	Filling Hopper with Impeller
Lower Tooling Seal	Hopper Vibrating Device
Capacity Counter	HMI Control Panel
Automatic sampling for 1st layer	Compression Force Detection
Lack Powder Detection	Tablet Deduster
Upper Punch Over-tight Protection	Customizes Shallow Filling Cam
Tooling Auto Lubricating	
Lack Lubricant Detection	
Open Feeder	
Powder Dust Collection	
Emergency Stop Switch	
Safety Door Protection	
Power Alarm Protection	



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