



# **H** *series*

HighHigh Speed Rotary Tableting Press Machine

# Introduction

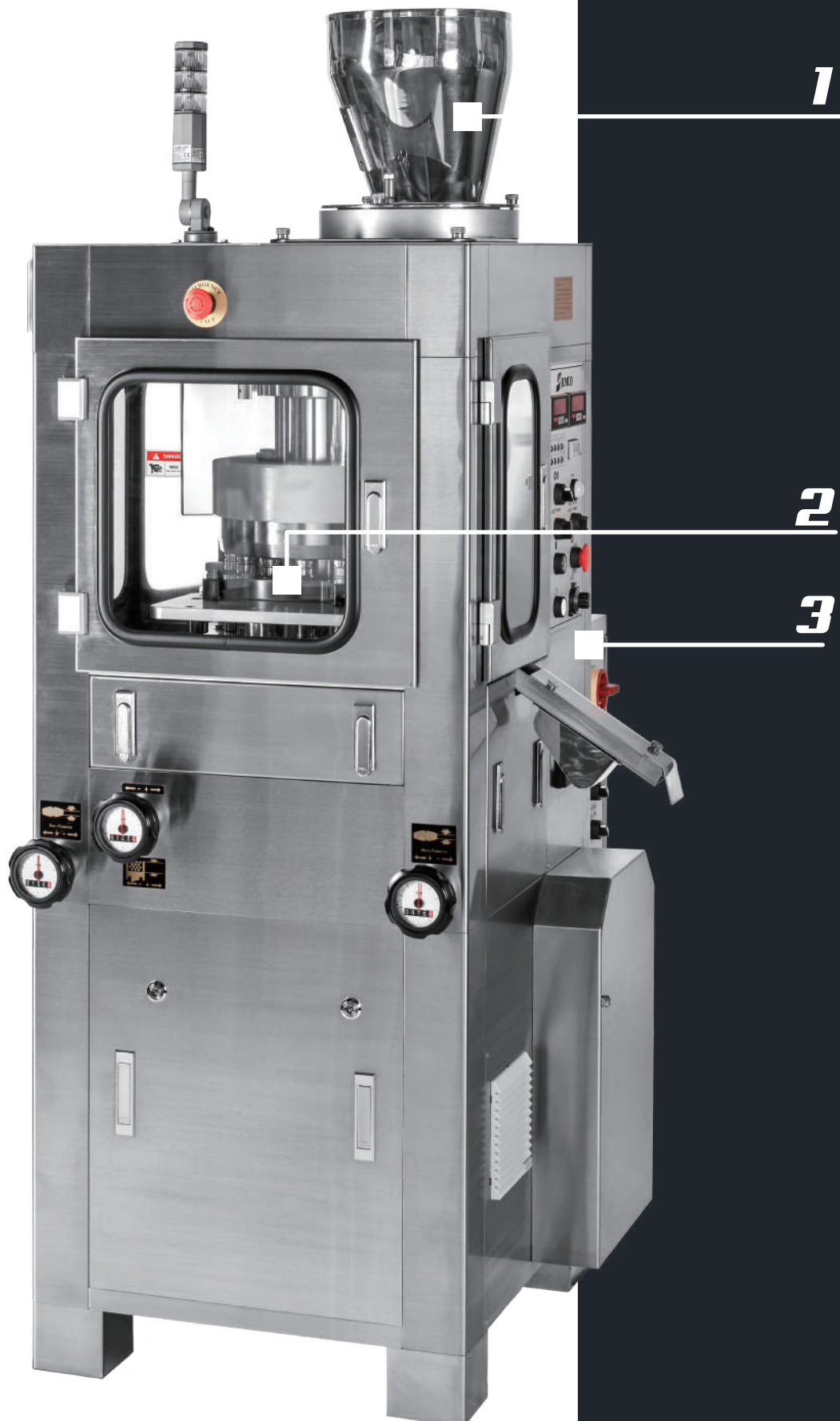
## H Series

- High Speed Rotary Tableting Press Machine
- Dual Compression(Pre & Main Compression)
- Single Layer Double Side Output
- Pre compression 3 Ton / Main Compression 10 Ton

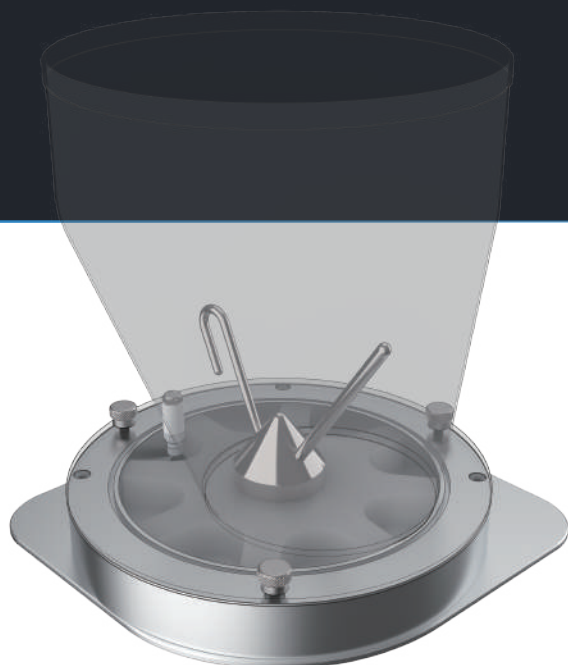
H series design with compact dimension, non restricted by tiny production space. Maximize the performance in minimize space, machine with dual compression(Pre & Main) and robust compacting system. Condense all functions which production scale machine type needed in small volume. Production, adjusting and driving zone are separated individually to minimize risk of cross-pollution during running. Turret with 16–24 station, suitable for small volume and research requirement.



# Equipment Feature



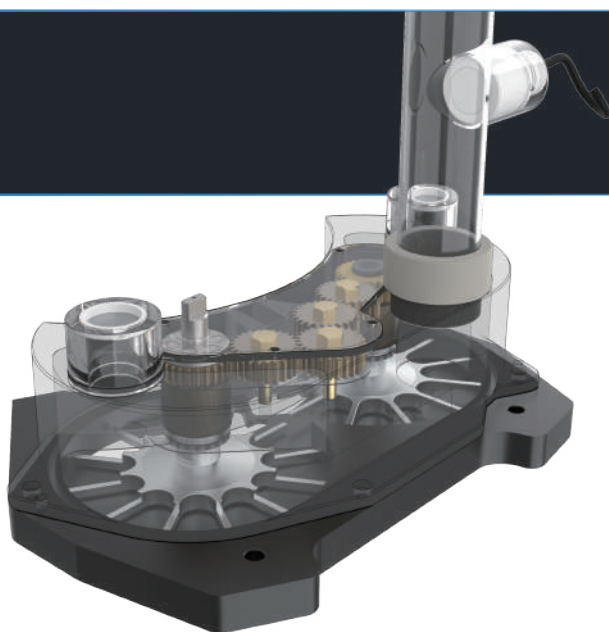
1



### Powder Level Control

Maintain consistent down-pressure in hopper as powder is consumed, thanks to our innovative quantitative refilling system. Device keeps stable downforce and provides good weight stability.

2



### Forced Feeder

With impellers rotating to enhance powder flowability and improve powder filling. Sealed type filling to minimize flying dust.

3



### Space-Optimized Machine Design

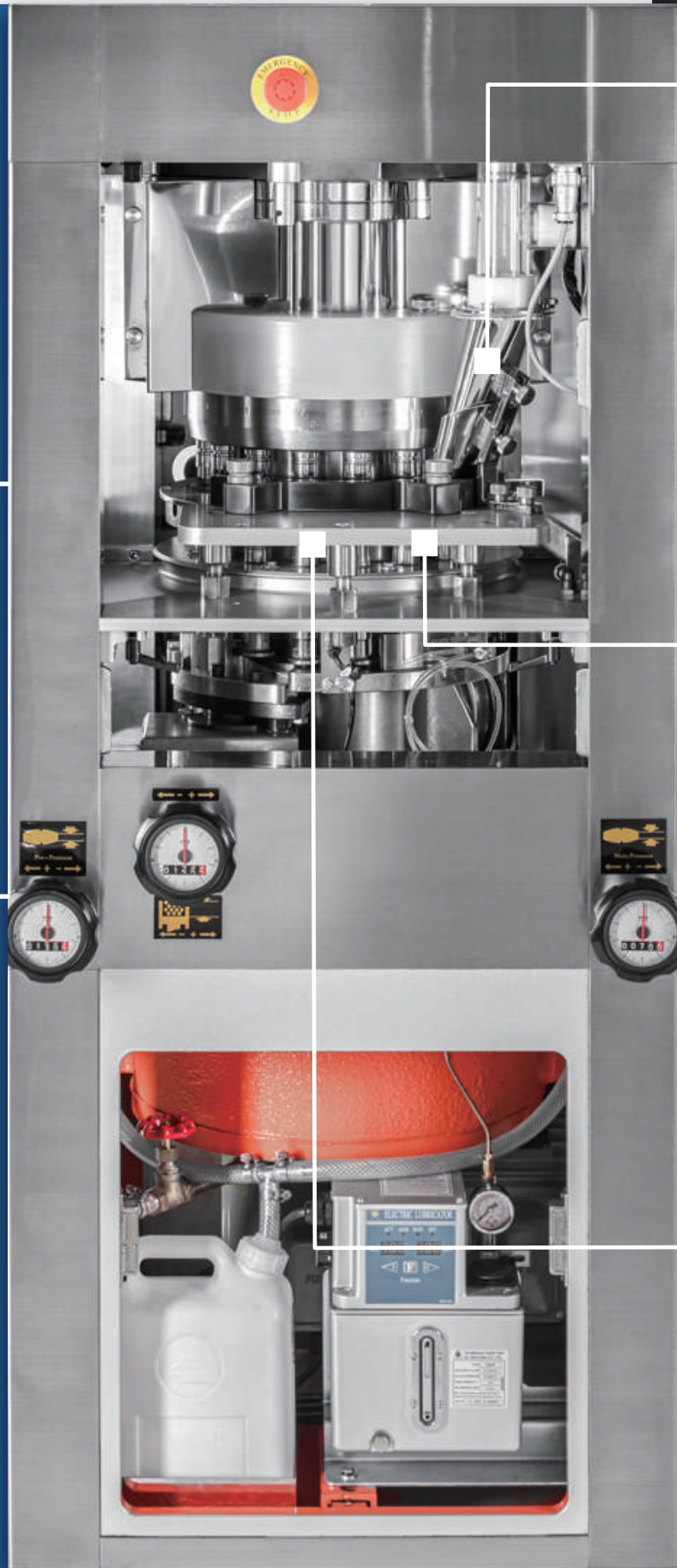
Unrestricted by spatial limitations, this compact machine maximizes functionality, condensing the essential features of a production model into a small footprint.



Production Zone

Adjusting Zone

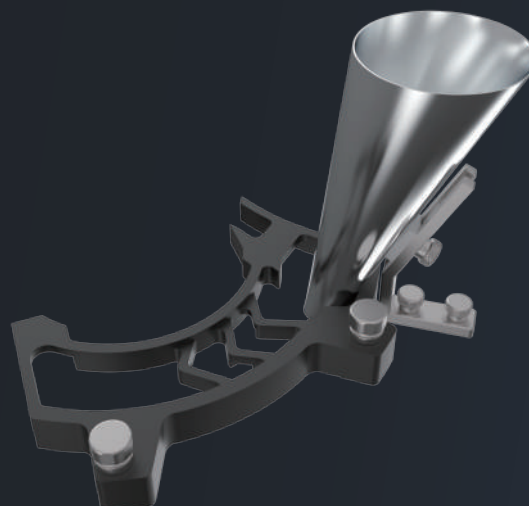
Driving Zone



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

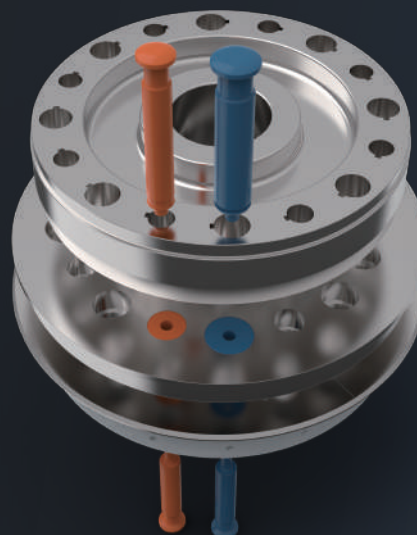
## 4 Experimental Hopper

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 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.



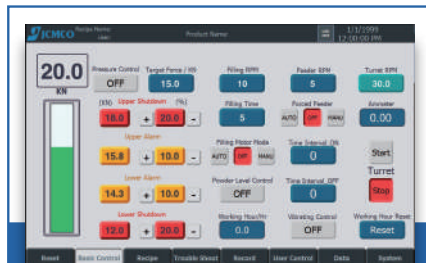
## 6 Dual Compression

Maximize efficiency in a compact space with dual compression system. Optimizes powder air release, ensuring tablets achieve ideal hardness and thickness.



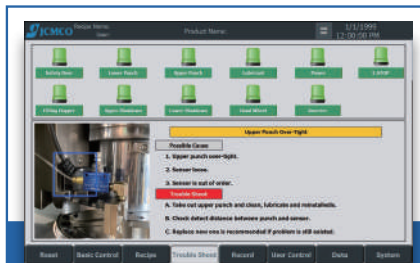
# HMI control Panel

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.



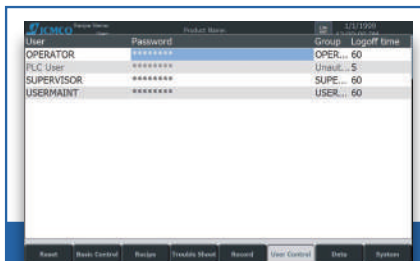
## Machine Alarm Trouble Shooting

Alarm position, information and solution.



## E-Product Recipes

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



## User Management Control

Access level setting.

## Smart Touch Screen

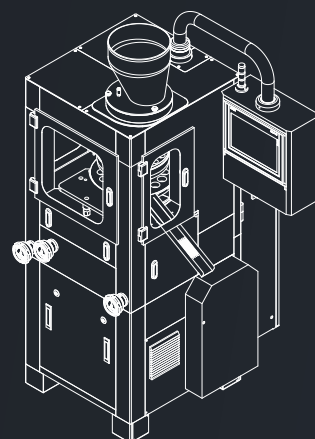
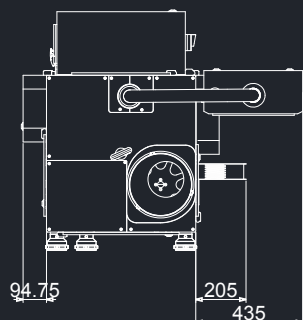


## Back Up System Manually Control

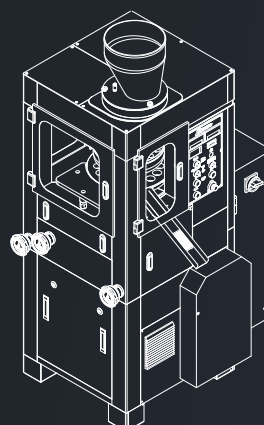
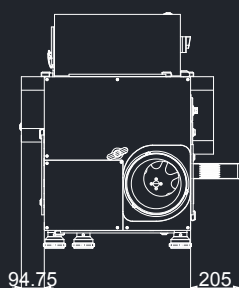
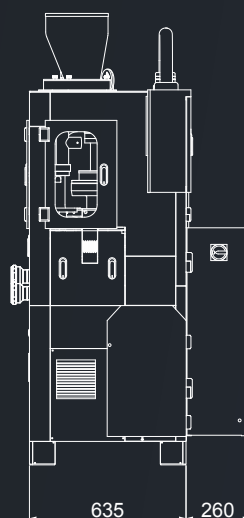
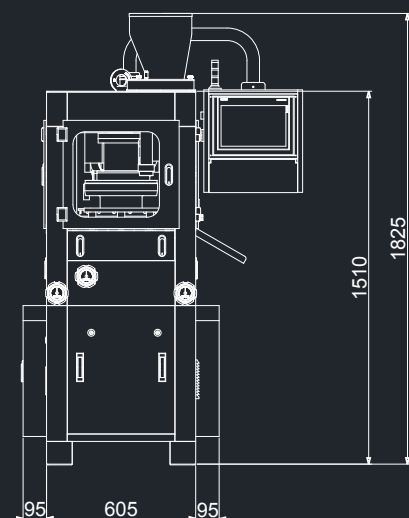




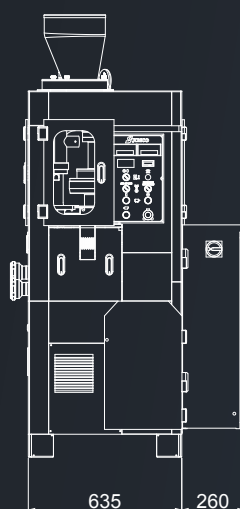
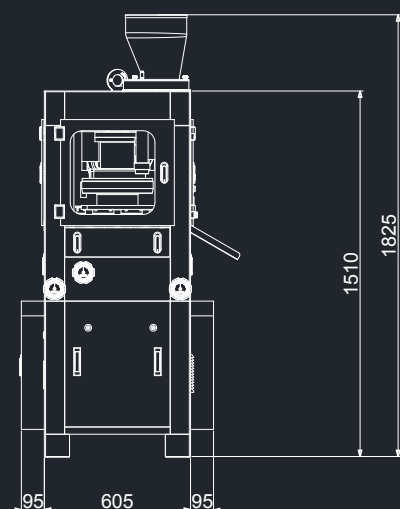
# Dimension



Swivel Arm



Basic



# Specification

JC-H-16D

JC-H-20DB

JC-H-20B

JC-H-24BB

|                                   |                 |                                       |        |       |         |
|-----------------------------------|-----------------|---------------------------------------|--------|-------|---------|
| Tooling stations                  |                 | 16                                    | 20     |       | 24      |
| 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                                    |        |       |         |
| Pre Compression                   | kN              | 30                                    |        |       |         |
| Tablet Max.<br>Length (Irregular) | mm              | 25                                    | 19     | 19    | 13      |
| Tablet Max.<br>Diameter (Round)   | mm              | 20                                    | 16     | 16    | 11      |
| Filling Depth Max.                | mm              | 19                                    | 19     | 19    | 19      |
| Turret RPM Max.                   | RPM             | 72                                    |        |       |         |
| Capacity Max.                     | Tabs/h.         | 69,100                                | 86,400 |       | 103,600 |
| Turret P.C.D                      | mm              | 253                                   |        |       |         |
| Motor Scale                       | hp              | 5(3.7kw)                              |        |       |         |
| Machine<br>Dimensions             | mm<br>L x W x H | 895 x 795 x1510(Not Including Hopper) |        |       |         |
| Machine Weight                    | kg              | 1200                                  |        |       |         |

# Standard & Optional Features

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



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