

MRC-D

ROTARY TABLET PRESS





We Make Your Dream Come True Through Market- Friendly Technology



High quality materials
Superior functional design
Advanced operation control
Precise manufacturing
Qualified service team

THE NEXT GENERATION OF...

Sejong Pharmatech offers the advanced ideal solution for your tableting process.

With hundreds experience of tablet press manufacturing, Sejong Pharmatech provides high class quality to fulfill the International market standard and GMP, CGMP,CE requirements.

Well experienced experts develop the modern quality and performance of tablet press for customer's requirements.

Sejong Pharmatech is ready to meet opportunities to serve your demand in tableting process.





MRC-D

ROTARY TABLET PRESS



This is the prototype of being generally and widely supplied, which has the strong point of easy maintenance and after-sales-service. Furthermore, this model is able to be operated in a very high speed with automated controlling functions. Stable production can be guaranteed through the function of data storage & management.

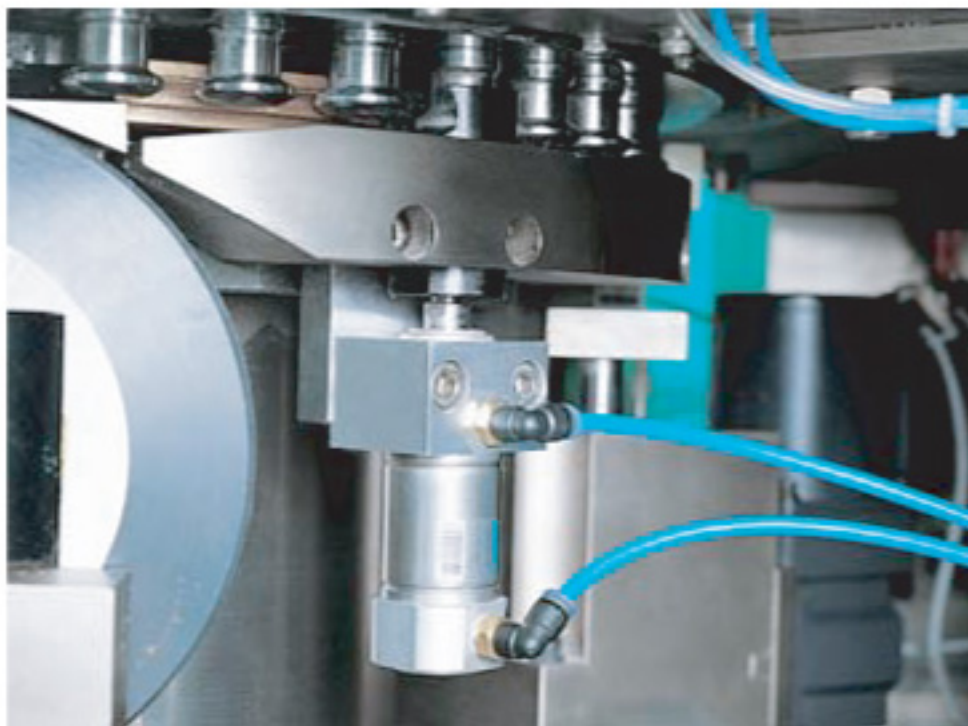
- The operator can easily control the operation through the touch screen.
- All the required conditions and data values are displayed on the touch screen.
- The pre-pressure roll is equipped, which enables the tablets to be more solid and precise.
- <Tablet thickness> and <Filling depth> can be adjusted by the motor through the touch screen controls where the data values of <Tablet Thickness> and <Filling depth> are displayed.
- The specified <Automated lubricating system> prevents an abrasions on the upper and lower punches.
- The complicated circuit is simplified through PLC(Programmable Logic Controller) System.
- Various kinds of safety sensors can protect the operators and the machine.
If there is any trouble on the machine or its operation, the alarm sound & message are to be automatically given with the machine stopped.



CONSTRUCTION

This model is designed in consideration of the convenience and safety of the users, offering easy operational tools based on <computer-controlling system>, which conforms the <GMP Regulations>. The design is originated from the preciseness of 3 dimensional drawing. The quality is supported by the strict QA, QC system . The stable production condition is guaranteed by the <PDM system> which can scrutinize each process from the production to the dispatch of the machine.

The tablet press, MRC-T is designed based on <computer system control>-oriented high technology. it offers<User-friendly> operation and conforms the <GMP regulations> The increased size of the compression rollers and the intensified frame structure enable the machine to stand the high pressure. This machine has the structure and design of the stable operation and easy maintenance.



OPERATION TOUCH SCREEN

| Operation screen | Tightness screen | Safety message screen | Product Parameter | A.W.C screen | A.W.C Parameter |
 | Report screen | Supervisor manager | Machine Config | Screen print | Product print | Pressure print |

Data Print

Data is printed through three sections of <Report>, <Product Print> and <Pressure Print>. From <Report> section, the data of <Log in/out>, <Alarm> and <Operation> is to be printed.

Production-related data including each pressure value of each punch is printed from <Product Print> section.

Operation Mode

- Disk Speed
- Pre-Pressure
- Oil Lubrication
- Dust Collector
- Feeder Speed
- Main-Pressure
- Target Quantity
- Buzzer
- Filling Depth
- Air Pressure
- Powder Status



AUTOMATIC WEIGHT CONTROLLER

| A.W.C Mean Pressure | Individual Pressure | Selected Punch | Rot. Avg. Min/Max Pressure |
| Standard Deviation | Auto Rejection | Automatic Adjustment of Filling Depth |

A.W.C(Automatic Weight Controller) is a <computerized> device which can control the tableting production management through a <Central Processing Unit>. AWC has the function of carrying out a statistical analysis and production managing document reporting by itself.

The tablet weight can be adjusted automatically through this device. Based on the current pressing pressure, it gives various kinds of functions to the main machine, controlling the process. In order to keep the proper weight and thickness of tablets as per the pre-set value, it supervises the process, collecting all the data.

The perfect process/production report can be made with all the data statistically analyzed.



CONSTRUCTION

Lower compressing roll is consisted of Pressure roll, Adjust shaft and Hydraulic system.

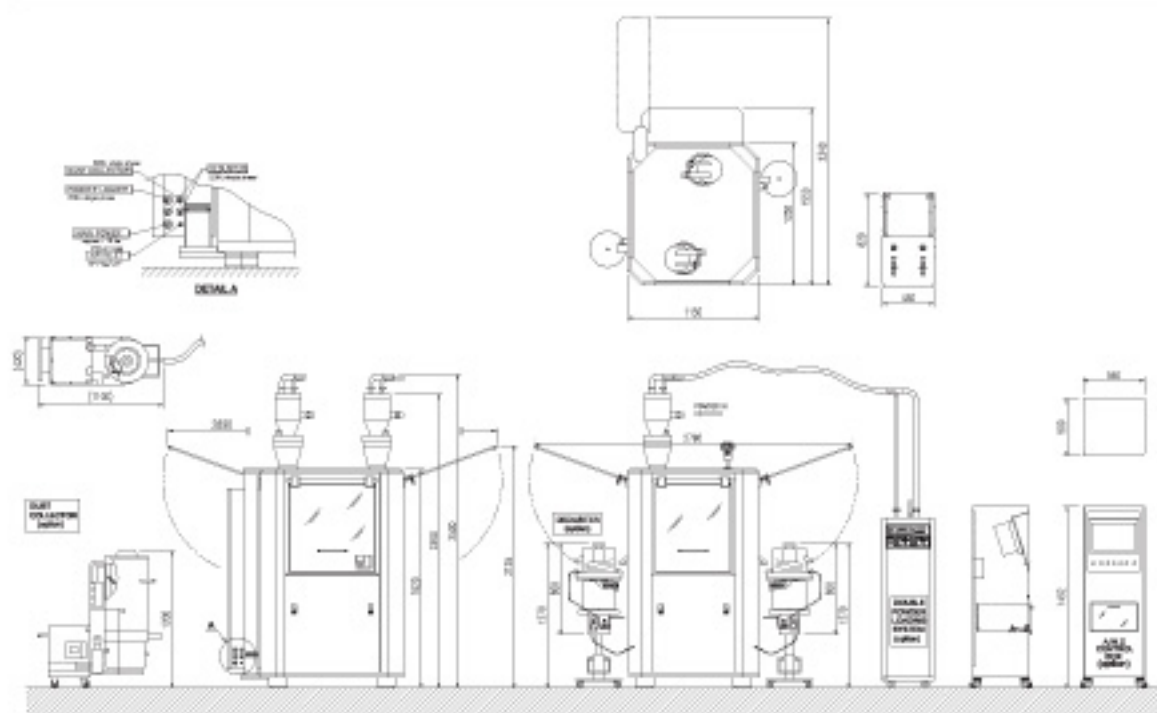
Adjust shaft is revolving by the Induction motor, and compressing roll is moved up and down through the Worm gear according to the Adjust shaft driving.

Hydraulic cylinder absorbs the shock from the compressing process and it is located below the lower roll housing.

Lower compressing system is consisted of Compressing roll, Adjustment equipment, Linear scale, Hydraulic cylinder and Load cell.



DIMENSIONS



SPECIFICATION AND TECHNICAL REFERENCE

Model Name		MRC-37D	MRC-45D	MRC-55D
Number of Station		37	45	55
Pitch Circle Diameter			φ508	
Output / Hour		226,400	378,000	462,000
Revolution of Disk(R,P,M)		2-60	2-70	2-70
Max. Tablet Diameter(mm)	Round	φ25	φ16	φ13
	Shape	25	19	14
Max. Tablet Thickness(mm)			8.5	
Filling Depth(mm)			0.5-6 (Option)	
			4.5-10	
			8.5-14	
			12.5-18	
Upper Punch Insert(mm)			0.5-6	
Max. Pre Pressure(Ton)		3	3	3
Max. Main Pressure(Ton)		10	8	8
Die Size		D	B	BB
Punch Size		EU-D, TSM-D	EU-B, TSM-B	EU-B, TSM-B
Machine Height(mm)	Excluding Hopper		1,920	
	Including Hopper		2,100	
Machine Floor Space(mm)			1,150 × 1,550	
Net Weight of Machine(kg)			Approx. 4,000	
Power of Main Motor			15Hp(11Kw)	

In case of two layers tablet

Output / Hour	77,700 TAB/H	108,000 TAB/H	132,000 TAB/H
Revolution of Disk (R,P,M)	2-35	2-40	2-40

The above specification can be subject to be changed without notice.

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