

# MRC-D Series



One of the key features of MRC-D series lies in the fact that it can produce double-layer tablets and in case of the production of single-layer tablets, it is possible to increase productivity two-fold by applying a double-sided discharge system.

Also, compared with the HRC-S model of Sejong, though it is relatively smaller in appearance, it enables mass-production.

In producing double-layer tablets, in particular, it is equipped with a powder retrieval function to minimize color mixing between different tablet layers, thereby ensuring more effective double-layer tablet production.

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- Since the dust collector is designed as all-in-one type from the outlet scraper to discharge chute, it makes dust collecting more effective and reduces dust inside the machine.
- As it adopts the all-in-one type Feeder Driving Shaft Housing method, it is easy to disassemble, assemble, and repair and maintain.
- Adopted implement auto-sampling function to the first layer of the double-layer tablet

# Product Specification

## MRC-D Series

Description		Model		
		MRC-39D	MRC-49D	MRC-61D
Number of Stations		39	49	61
Pitch Circle Diameter (Ø)		580		
Max. Output / Hour	Single Layer	280,800	411,600	512,400
	Double Layer	81,900	117,600	146,400
Revolution of Disk (R.P.M)	Single Layer	15-60	15-70	15-70
	Double Layer	10-35	10-40	10-40
Max. Tablet Diameter	Round (Ø)	25	16	13
	Oblong (mm)	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		
		16.5-22 (Option)	.	
Upper Punch Insert (mm)		1-6		
Max. Pre Pressure (kg-f)		3,000	3,000	3,000
Max. Main Pressure (kg-f)		10,000	10,000	10,000
Die Type		D	B	BB
Punch Type		EU-D, IPT-D	EU-B, IPT-B	EU-B, IPT-B
Machine Height (mm)	Excluding Hopper	2,021		
	Including Hopper	2,140		
Machine Floor Space (mm)		1,400 X 1,820		
Weight of Machine (kg)		Approx. 4,500		
Power of Main Motor		15hp (11kW)		
Power Supply Data		220 / 380 / 400 / 415 / 440 V, 50 / 60 Hz, 3Phase		

※ Pre- pressure and Main pressure could be changed depending on the size of the compress and filling depth, powder or granulation. It is dependent on the physical specification of the used material for the compress.

※ The above specification is subject to change without prior notice for the technical development.

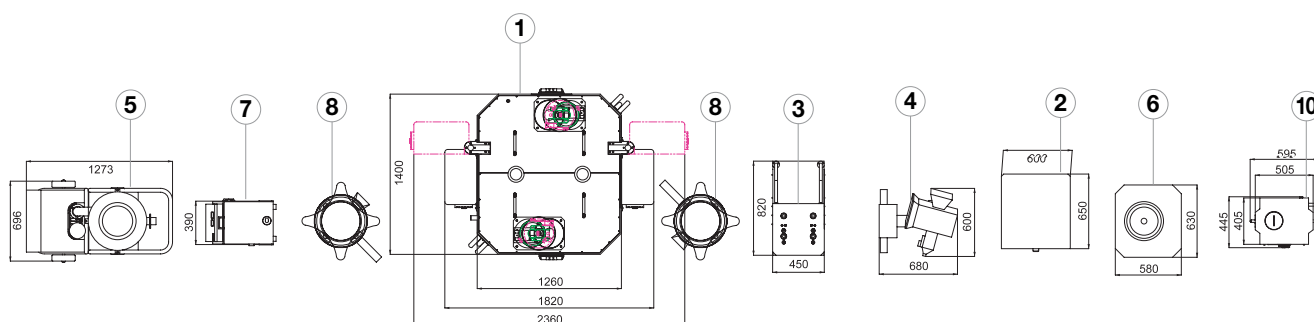
※ The disk revolution speed is standard of round type.

# Dimensions with Layout

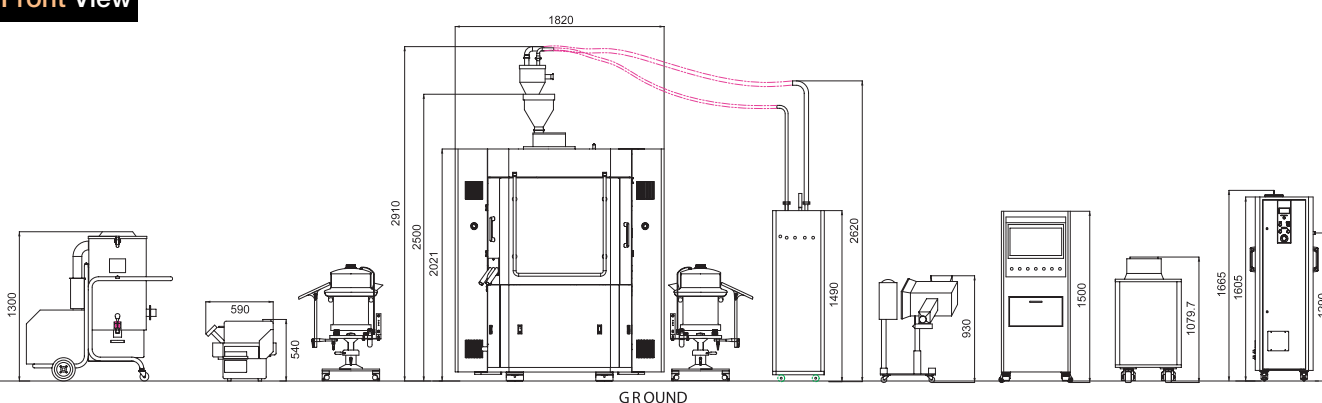


- ① Main Machine
- ② A.W.C
- ③ Power Loading System (Option)
- ④ Metal Detector (Option)
- ⑤ Dust Collector (Option)
- ⑥ Disk Table (Option)
- ⑦ U.T.S (Option)
- ⑧ Deduster (Option)
- ⑨ C.A.F (Option)
- ⑩ Magnesium Spray System (Option)

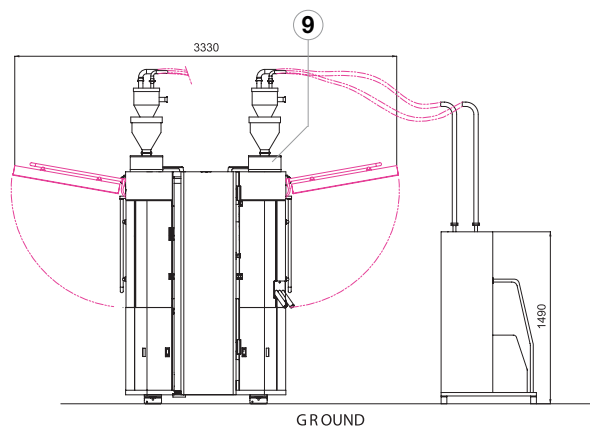
## Top View



## Front View



## Side View



# Machine Details

(\*) Double layer apply

● Standard

○ Option

△ Applicable Soon

— Not Applicable

Model			GRC-S Series			MRC-D Series		
			GRC-15S	GRC-18S	GRC-22S	MRC-39D	MRC-49D	MRC-61D
Number of Stations			15	18	22	39	49	61
Punch Size	EU-35		—	—	—	—	—	—
	EU-D		●	—	—	●	—	—
	IPT-D		○	—	—	○	—	—
	EU-B		—	●	●	—	●	●
	IPT-B		—	○	○	—	○	○
Die Size	EU-35		—	—	—	—	—	—
	D Type		●	—	—	●	—	—
	B Type		—	●	—	—	●	—
	BB Type		—	—	●	—	—	●
	BBB Type		—	—	—	—	—	—
Filling Depth (mm)	Manual	4.5~18mm	○	○	○	—	—	—
	A.W.C	A CAM (0.5~6mm)	○	○	○	○	○	○
		B CAM (4.5~10mm)	●	●	●	●	●	●
		C CAM (8.5~14mm)	●	●	●	●	●	●
		D CAM (12.5~18mm)	●	●	●	●	●	●
		E CAM (16.5~22mm)	○	—	—	○	—	—
Compression Roller Adjustment	Upper Pre Compression		Manual	Manual	Manual	Motorized	Motorized	Motorized
	Lower Pre Compression		Manual	Manual	Manual	Manual	Manual	Manual
	Upper Main Compression		Manual	Manual	Manual	Motorized	Motorized	Motorized
	Lower Main Compression		Motorized	Motorized	Motorized	Motorized	Motorized	Motorized
Ejection Force			●	●	●	△	△	△
Lubrication System with Oil Distribute Pump			●	●	●	●	●	●
Upper Tight Sensing Device			●	●	●	●	●	●
Lower Tight Sensing Device			●	●	●	●	●	●
Discharge	Single Side		●	●	●	○ (*)	○ (*)	○ (*)
Chute	Dual Side		—	—	—	●	●	●
Programmable Logic Controller (OMRON)			●	●	●	●	●	●
Graphic Panel	A.W.C with HMI (Pro-face Panel PC)		●	●	●	●	●	●
	Manual (Pro-face Touch Screen)		○	○	○	○	○	○
Optional Item	A.W.C with HMI		●	●	●	●	●	●
	Manual		○	○	○	○	○	○
	Disk Change Device		—	—	—	○	○	○
	Additional Disk (with upper and lower rail)		—	—	—	○	○	○
	Disk Table (only turret change device)		—	—	—	○	○	○
	Auto Powder Loading	Single Type	○	○	○	○	○	○
		Double Type	—	—	—	○	○	○
	Tablet Deduster	Bottom Up Type	○	○	○	○	○	○
		Top Down Type	○	○	○	○	○	○
	Dust Collector	Normal Type	○	○	○	○	○	○
		SUS304	○	○	○	○	○	○
		1.5kW	○	○	○	—	—	—
		2.2kW	—	—	—	—	—	—
		3.7kW	—	—	—	○	○	○
	Metal Detector		○	○	○	○	○	○
	C.A.F (Constant Amount Feeder)		○	○	○	○	○	○
	U.T.S (Universal Tablet Testing System)		○	○	○	○	○	○
	Calibration Kit for Load-cell		○	○	○	○	○	○
	Magnesium Spray System		△	△	△	△	△	△
	Drum Changer Device		○	○	○	○	○	○
	Open Feeder		○	○	○	△	△	△
	Spare Parts for 2 years		○	○	○	○	○	○
Machine	Excluding Hopper		1,728	1,728	1,728	2,021	2,021	2,021
Height (mm)	Including Hopper		1,987	1,987	1,987	2,140	2,140	2,140
Machine Floor Space (mm)			800X1,300	800X1,300	800X1,300	1,400 X 1,820	1,400 X 1,820	1,400 X 1,820
Weight of Machine (kg)			Approx 2,500			Approx 4,500		
Power Supply Data			220 / 380 / 400 / 415 / 440 V. 50 / 60 Hz. 3Phase			220 / 380 / 400 / 415 / 440 V. 50 / 60 Hz. 3Phase		

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without notice



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