

**YUDO** Material Handling Line-up

Matrix Feeding system



**PM SERIES**  
Matrix filter & blower

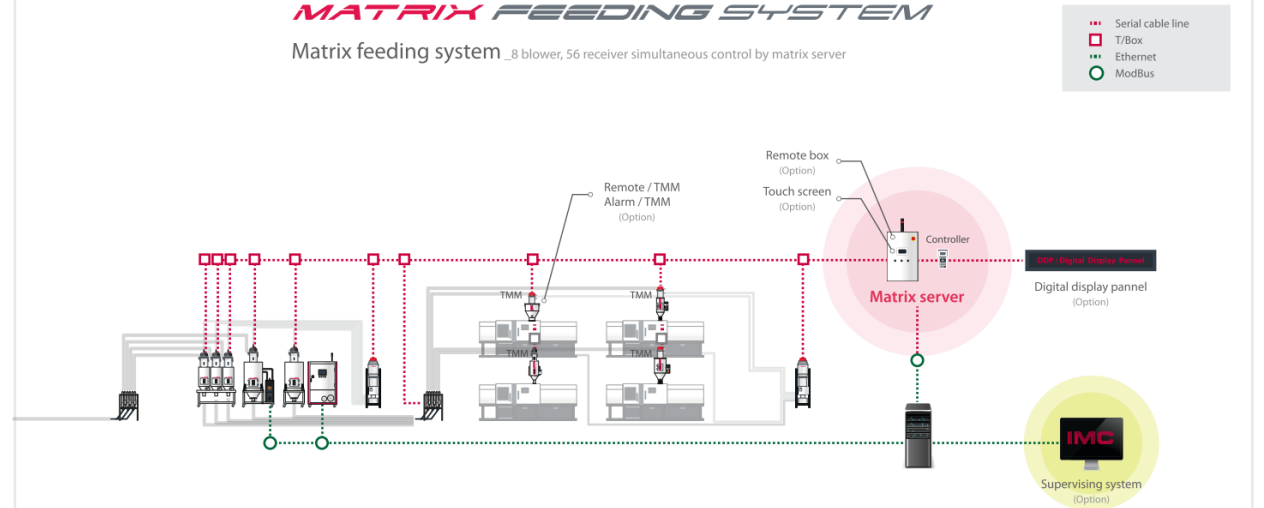


**TMM SERIES**  
Matrix receiver

Type	Matrix filter & blower					Type	Matrix receiver													
Model	PM3-FC2-50	PM4-FC2-50	PM5-FC3-60	PM7-FC3-60	PM11-FC3-70	Model	TMM2	TMM4	TMM5	TMM10	TMM25	TMM50								
Power source ▶	AC 380V ± 10%, 50/60Hz 3 phase																			
Max capacity ▶	500kg/h	600kg/h	1000kg/h	1500kg/h	2000kg/h	Capacity ▶	2ℓ	4ℓ	5ℓ	10ℓ	25ℓ	50ℓ								
Motor power ▶	3kW	4kW	5.5kW	7.5kW	11kW	Weight ▶	7kg	8kg	10kg	12kg	15kg	17kg								
Depres ▶	260mbar	430mbar	430mbar	430mbar	430mbar							Maintenance hoppers								
Noise level ▶	70dB(A)	75dB(A)	75dB(A)	80dB(A)	80dB(A)	Type	Pyrex	Stainless steel	Aluminium insulated											
Vac. line ▶	50Φ	50Φ	50/60Φ	60Φ	70Φ	Model	H2MX	H3MX	H5M	H15M	H30M	H5MC	H15MC	H30MC						
Filt. surf ▶	6.7 m <sup>2</sup>		11 m <sup>2</sup>																	
Filt. deqr ▶	8μ																			
Filter cleaning ▶	Self-cleaning																			
Weight ▶	60kg	135kg	190kg	210kg	230kg							2ℓ	3ℓ	5ℓ	15ℓ	30ℓ	5ℓ	15ℓ	30ℓ	
													60mm							
													4kg	5kg	8kg	9kg	15kg	9kg	11kg	18kg

**MATRIX FEEDING SYSTEM**

Matrix feeding system \_8 blower, 56 receiver simultaneous control by matrix server



**PVN SERIES**  
Ratio valve



Line cleaning valve



Manifold



Type	Ratio valve			Line cleaning valve	Manifold		
Model	PVN40C	PVN50C	PVN60C	MATRIX Line Cleaning Valve	MATRIX Automatic Manifold	MATRIX Manual Manifolds	
Power source ▶	AC 220V±10%, 50/60Hz						
Material pipe diameter ▶	40mm	50mm	60mm				
Required pressure ▶	6~8bar			Piping			
Compressed air consumption ▶	0.5Nℓ			Piping			
Electric consumption ▶	5W			Piping			
				Glass bend	Ceramic coated bend	Anti-static hose	Quick connection

## Dosing & Granulating



**DM SERIES**  
Volumetric dosing unit



**BD SERIES**  
Conveying blender

Type		Volumetric dosing unit				Type		Conveying blender					
Model		DM10	DM20	DM30	DM40	Model		BD-200	BD-500	BD-900	BD-2500	BD-4000	BD-6000
Throughput DxP screw	8 x 8 ▶	0.06 ~ 0.84kg/h				Mixing capacity ▶		90 kg/hr	227 kg/hr	410 kg/hr	1135 kg/hr	1815 kg/hr	2725 kg/hr
	12 x 8 ▶	0.07~1.35, 0.24~0.28kg/h					Of materials to be blended ▶	2~4	2~6	2~8	2~8	2~8	2~8
	16 x 10 ▶	0.5~6kg/h					Slide gate ▶	50mm	50mm	50mm	63mm	76mm	76mm
	20 x 12 ▶	1~11.7kg/h					Hopper capacity ▶	40ℓ	40ℓ	40ℓ	85ℓ	212ℓ	212ℓ
	20 x 20 ▶	1.4~17.5kg/h					Mixer cap ▶	7ℓ	7ℓ	16ℓ	31ℓ	77ℓ	77ℓ
	25 x 20 ▶		2.2 ~ 26.5kg/h				Mixer moter power ▶	0.124kW	0.124kW	0.124kW	0.25kW	0.75kW	0.75kW
	30 x 20 ▶		3~39kg/h				Moter speed ▶	21rpm	21rpm	21rpm	22rpm	22rpm	22rpm
	50 x 50 ▶			20~140, 40~280kg/h			Load cell capacity ▶	2@3kg	2@3kg	2@5kg	2@10kg	2@15kg	2@15kg
80 x 80 ▶				50~400, 100~800kg/h	Discharge opening ▶	76.2mm	76.2mm	76.2mm	102mm	102mm	102mm		
Power source ▶	AC 220V ± 10%, 50/60Hz Single phase				Weight ▶	170kg	170kg	205g	295kg	500kg	500kg		
Gearbox ratio ▶	1:75, 1:38	1:38	1:75, 1:38	1:75, 1:38	Dimension (W x D x H) ▶	1308 x 952 x 940	1308 x 952 x 940	1435 x 940 x 1016	1765 x 1156 x 1181	2172 x 1461 x 1448	2337 x 1461 x 1448		
Hopper capacity ▶	15ℓ	15ℓ	30ℓ	50ℓ									
Central hopper capacity ▶	25d m <sup>3</sup>	25d m <sup>3</sup>											
Moter capacity ▶	0.1kW		0.22kW										
Moter speed ▶	3000rpm												
Weight ▶	19kg	21kg	25kg	28kg									
Option	Venturi loader throughput ▶	50kg/h											
	Compressed air consumption ▶	6.3l/s											
	Compressed air pressure ▶	6bar											



**JAWS 400**  
Low speed granulator



**JAWS 500**  
High speed granulator

Type	Low speed granulator							High speed granulator								
Model	JAWS-402	JAWS-403	JAWS-405	JAWS-407	JAWS-410	JAWS-415	JAWS-420	JAWS-505	JAWS-507	JAWS-510	JAWS-515	JAWS-520	JAWS-530	JAWS-550	JAWS-575	JAWS-5100
Power source ▶	AC 220/380V ± 10%, 50/60Hz 3phase							380/220V 4HP X 4P	380/220V 7.5HP X 4P	380/220V 10HP X 4P	380/220V 15HP X 4P	380/220V 20HP X 4P	380/220V 30HP X 4P	380/220V 50HP X 4P	380/220V 75HP X 4P	380/220V 100HP X 4P
Motor capacity ▶	1.5kw	2.2kw	3.75kw	5.5kw	7.5kw	11kw	15kw	3.7kw	5.5kw	7.5kw	11kw	15kw	22kw	37kw	55kw	75kw
Motor speed ▶	29rpm			25rpm				580rpm	570rpm	570rpm	560rpm	555rpm	555rpm	550rpm	550rpm	500rpm
Inlet ▶	265 x 335	360 x 335	445 x 415	565 x 455	670 x 725	900 x 750	900 x 815	200 x 200	280 x 245	360 x 245	420 x 245	480 x 330	630 x 385	720 x 500	800 x 500	1000 x 700
Crushing capacity ▶	20-25kg/h	25~30kg/h	35~55kg/h	60~75kg/h	90~105kg/h	100~140kg/h	145~180kg/h	ABS Screen Ø10 100~150kg/HR	ABS Screen Ø10 100~150kg/HR	ABS Screen Ø10 100~150kg/HR	ABS Screen Ø10 100~150kg/HR	ABS Screen Ø10 100~150kg/HR	ABS Screen Ø10 100~150kg/HR	ABS Screen Ø10 100~150kg/HR	ABS Screen Ø10 100~150kg/HR	ABS Screen Ø10 100~150kg/HR
Crushed piece ▶	4~8mm	5~8mm		8~10mm												
Blade ▶	1Axis Blade				2Axis Blade											
Weight ▶	320kg	490kg	690kg	1000kg	1600kg	2600kg	3000kg	320kg	480kg	550kg	710kg	1100kg	1860kg	3950kg	4950kg	11600kg
Dimension (W x D x H) ▶	480 x 1100 x 1150	480 x 1260 x 1150	610 x 1400 x 1410	850 x 2000 x 1400	1220 x 1850 x 2040	1320 x 1950 x 2230	1400 x 2070 x 2430	547 x 1198 x 1410	697 x 1435 x 1545	742 x 1420 x 1494	875 x 1510 x 1500	940 x 1350 x 1835	2160 x 2010 x 2235	2365 x 2555 x 2620	2445 x 2555 x 2620	2970 x 3010 x 3555

# YUDO

## Take-out Robot Line-up



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**YUDO-SUNS CO., LTD.**

415, Cheongneung-daero,  
Namdong-Gu, Incheon, 405-817, KOREA

T . + 82 32 450 7800

F . + 82 32 819 3200

E-mail . yudosuns@yudosuns.com

This catalogue provides a customer  
with product image and the information.  
All reference specifications are subjected  
to change with out prior notice.

## Desiccation & Dehumidification



### CAD SERIES

Compressed air dehumidifier



### DWC SERIES

Honeycomb rotor dehumidifier  
(2Blower compact type)



### DW SERIES

Honeycomb rotor dehumidifier  
(2blower type)



### DAKA SERIES

Honeycomb rotor dehumidifier

Type	Compressed air dehumidifier			
Model	CAD-6A	CAD-15A	CAD-30A	CAD-50A
Power source ▶	AC220V/230V ±10 50/60Hz, Single Phase			
Process temperature ▶	40°C ~ 160°C			
Capacity ▶	6ℓ	15ℓ	30ℓ	50ℓ
Air flow ▶	4~12 m <sup>3</sup> /h		6~16 m <sup>3</sup> /h	
Dew point ▶	-25 ~ -50°C			
Heating power ▶	0.65kW		0.95kW	
Installed power total ▶	0.7kW		1.0kW	
Compressed air pressure ▶	6 ~ 8bar			
Display ▶	LCD			
Safety device ▶	Over heat (circuit breaker)			
Dimension (W x D x H) ▶	430 x 330 x 450	470 x 390 x 605	500 x 450 x 680	510 x 490 x 910

Type	Honeycomb dehumidifier			
Model	DWC75	DWC150	DWC250	DWC500
Power source ▶	AC 220V/380V ±10, 50/60Hz, 3Phase			
Hopper capacity ▶	75ℓ	150ℓ	250ℓ	500ℓ
Air flow ▶	20~40m <sup>3</sup> /h	30~70m <sup>3</sup> /h	60~140m <sup>3</sup> /h	100~280m <sup>3</sup> /h
Process temperature ▶	70 ~ 140°C			
Heating power ▶	1.2kW	2kW	3.5kW	5kW
Blower power ▶	0.75kW	0.75kW	1.3kW	1.6kW
Power heating regeneration ▶	0.8kW	2kW	2kW	3.5kW
Blower power of regeneration ▶	0.08kW	0.2kW	0.2kW	0.4kW
Installed power total ▶	2.83kW	4.95kW	7kW	10.5kW
Weight ▶	160kg	220kg	240kg	300kg
Dimension (W x D x H) ▶	550 x 1142 x 1695	660 x 1312 x 1718	660 x 1312 x 1718	825 x 1477 x 2423

\* High temperature

Type	Honeycomb dehumidifier						
Model	DW50i	DW80i	DW120i	DW200i	DW250i	DW400i	DW600i
Power source ▶	AC220V 50/60Hz, Single Phase	AC 380V ±10, 50/60Hz, 3Phase					
Air flow ▶	25~50m <sup>3</sup> /h	40~80m <sup>3</sup> /h	60~120m <sup>3</sup> /h	100~200m <sup>3</sup> /h	125~250m <sup>3</sup> /h	400m <sup>3</sup> /h	600m <sup>3</sup> /h
Process temperature ▶	75 ~ 150°C	75 ~ 150/190°C					
Power heating process ▶	1.2kW	2kW	2/3.5kW	3.5/5kW	5/9kW	7.5/15kW	15/22.5kW
Blower power ▶	0.45kW	0.4kW	0.75kW	1.1kW	1.6kW	4kW	5.5kW
Power heating regeneration ▶	0.8kW	2kW	2kW	3.5kW	3.5kW	9kW	9kW
Blower power of regeneration ▶	0.1kW	0.2kW	0.2kW	0.4kW	0.4kW	0.37kW	0.37kW
Installed power total ▶	2.55kW	4.6kW	5/6.5kW	8.5/10kW	10.5/14.5kW	21/28.5kW	30/37.5kW
Flow (in/out) ▶	Ø50	Ø50	Ø50	Ø63	Ø63	Ø89	Ø125
Weight ▶	80kg	140kg	150kg	175kg	185kg	400kg	450kg
Dimension (W x D x H) ▶	530 X 834 X 842	540 x 1062 x 1294	540 x 1062 x 1294	540 x 1062 x 1294	540 x 1062 x 1294	950 x 1095 x 1858	950 x 1095 x 1858

Type	Honeycomb		Type
Model	DAKA-R15	DAKA-R30	Mod
Power source ▶	AC220V/230V ±10 50/60Hz, Single Phase		Power
Process temperature ▶	55°C ~ 180°C		
Capacity ▶	15ℓ	30ℓ	De
Air flow ▶	2~14 m <sup>3</sup> /h		Blower
Dew point ▶	-40°C		Power heating reg
Heating power ▶	0.45kW		Blower power of reg
Blower power ▶	0.009kW		
Power heating regeneration ▶	0.45kW		Cool
Blower power of regeneration ▶	0.004kW		Temperature of cool
Display ▶	Graphic LCD		Installed pow
Installed power total ▶	1.0kW		Dimension (W
Dimension (W x D x H) ▶	542 X 557 x 687	595 x 584 x 754	



### DP SERIES

Dehumidifier (2Tower+2Blower)



### HED SERIES

Low speed granulator

Type	Dehumidifier (2Tower + 2Blower)								
Model	D803P	D804P	D805P	D806P	D808P	D810P	D815P	D818P	D820P
Power source ▶	AC 220V / 380V ± 10%, 50/60Hz, 3Phase								
Air flow ▶	300m <sup>3</sup> /h	400m <sup>3</sup> /h	500m <sup>3</sup> /h	600m <sup>3</sup> /h	750m <sup>3</sup> /h	1000m <sup>3</sup> /h	1350m <sup>3</sup> /h	1450m <sup>3</sup> /h	2000m <sup>3</sup> /h
Blower power of process ▶	3kW	5.5kW	5.5kW	5.5kW	7.5kW	8.5kW	12.5kW	15kW	18kW
Power heating regeneration ▶	5kW	5kW	5kW	12kW	12kW	12kW	18kW	18kW	24kW
Blower power of regeneration ▶	0.4kW	0.4kW	0.4kW	0.85kW	0.85kW	0.85kW	1.5kW	1.5kW	4kW
Installed power total ▶	8.4kW	10.9kW	10.9kW	18.35kW	20.35kW	21.35kW	32kW	34.5kW	46kW
Weight ▶	330kg	410kg	440kg	1450kg	1480kg	1520kg	1530kg	1550kg	1650kg
Dimension (W x D x H) ▶	950 x 1 095 x 1858	950 x 1095 x 1858	950 x 1095 x 1858	1210 x 1850 x 2180	1210 x 1850 x 2180	1210 x 1850 x 2180	1210 x 1850 x 2180	1210 x 1850 x 2180	1650 x 1700 x 2220

Type	Hot air dryer											
Model	HED-25	HED-50	HED-75	HED-100	HED-150	HED-200	HED-250	HED-300	HED-400	HED-500		
	AC 220V / 380V ± 10%, 50/60Hz, 3Phase											
	42ℓ	83ℓ	125ℓ	167ℓ	250ℓ	333ℓ	417ℓ	500ℓ	667ℓ	833ℓ		
	2.6(2.6)kW	3(4)kW	4.5(6)kW	4.5(6)kW	8.5(11)kW	8.5(11)kW	12.5(16.5)kW	12.5(16.5)kW	18.5(22)kW	18.5(22)kW		
	0.135kW	0.17kW	0.21kW	0.21kW	0.46kW	0.46kW	0.5kW	0.5kW	0.88kW	0.88kW		
Option	Dimension (W x D x H) ▶	A type ▶	550 x 755 x 1000	620 x 860 x 1200	680 x 970 x 1300	680 x 970 x 1600	840 x 1200 x 2050	840 x 1200 x 2300	1100 x 1300 x 2250	1100 x 1300 x 2420	1350 x 1480 x 2600	1350 x 1480 x 2800
	I type ▶	610 x 850 x 1040	700 x 930 x 1230	750 x 1060 x 1290	750 x 1060 x 1590	940 x 1190 x 1980	940 x 1190 x 2260	1200 x 1360 x 2220	1200 x 1360 x 2370	1380 x 1600 x 2540	1380 x 1600 x 2750	
	Standard ▶	2.8(2.8)kW	3.2(4.2)kW	4.8(6.8)kW	4.8(6.8)kW	8.9(11.4)kW	8.9(11.4)kW	12.9(16.9)kW	12.9(16.9)kW	19.6(23.1)kW	19.6(23.1)kW	
	Insulated Hopper ▶	A	A	A	A	A	A	A	A	A	A	
	D	D	D	D	D	D	D	D	D	D		
	I	I	I	I	I	I	I	I	I	I		

\* ( )는 보온호퍼 사양입니다.

## Material Feeding



### Honeycomb

Model ▶ DAKA-R500

Power source ▶ AC380V 50/60Hz, 3Phase

Air flow ▶ 600m<sup>3</sup>/h

Low point ▶ Max. -40℃

Power ▶ 6.3kW

Generation ▶ 0.3kW

Generation ▶ 6kW

Display ▶ 7" LCD

Cooling type ▶ Water cooling

Cooling water ▶ Min. 20℃  
Max. 34℃

Power total ▶ 13kW

Size (x D x H) ▶ 900 x 1500 x 1715



### H SERIES

Insulated hopper



Multi hopper system

Type	Hopper									
Model	H30	H50	H75	H100	H150	H200	H300	H400	H600	H800
Capacity ▶	30ℓ	50ℓ	75ℓ	100ℓ	150ℓ	200ℓ	300ℓ	400ℓ	600ℓ	800ℓ
Heat insulation thickness ▶	60mm					100mm				
Weight ▶	22kg	25kg	45kg	50kg	75kg	90kg	155kg	170kg	190kg	210kg



### C SERIES

Storage bins (Barrel type)



### EZS SERIES

Storage bins (Square type)

Type	Storage bins (Barrel type)				Storage bins (Square type)											
Model	C100	C200	C350	C800	EZS-50	EZS-100	EZS-150	EZS-200	EZS-300	EZS-400	EZS-500	EZS-750	EZS-1000	EZS-1500	EZS-2000	EZS-3000
Capacity ▶	100ℓ	200ℓ	350ℓ	800ℓ	84ℓ	167ℓ	250ℓ	334ℓ	500ℓ	667ℓ	834ℓ	1250ℓ	1667ℓ	2500ℓ	3334ℓ	5000ℓ



### HELA SERIES

Hopper loader

Type	Hopper loader				
Model	HELA-200	HELA-300	HELA-500		
Power source ▶	AC 220V / 380V ±10%, 50/60Hz, 3Phase				
Blower power ▶	1.5kW	2.55kW	3.54kW		
Air flow ▶	4.25m <sup>3</sup> /min	4.25m <sup>3</sup> /min	5.25m <sup>3</sup> /min		
Air flow pressure ▶	-150mbar	-260mbar	-280mbar		
Hose (mm)	Material ▶	Ø38.1	Ø38.1	Ø50.8	
	Vacuum ▶	Ø38.1	Ø50.8	Ø60.5	
Cyclon ▶	HECA-5	HECA-10	HECA-15		
Weight ▶	20kg	25kg	32kg		
Max power consumption ▶	1.6kW	2.8kW	3.7kW		
Option	Limit sensor ▶	Standard ▶	L	L	L
		2 Way(Optional) ▶	LD	LD	LD
	Proximity sensor ▶	Standard ▶	A	A	A
		2 Way(Optional) ▶	AD	AD	AD
	Motor sensor ▶	Standard ▶	M	M	M
		2 Way(Optional) ▶	MD	MD	MD



### VLM SERIES

Single phase loader



### HECA SERIES

Cyclone



### RVR SERIES

Ratio valve

Type	Single phase loader				
Model	VLM2	VLM4	VLM5	VLM10	VLM25
Power source ▶	AC 220V ± 10%, 50/60Hz Single phase				
Max. capacity ▶	40kg/h	60kg/h	80kg/h	120kg/h	350kg/h
Blower power ▶	0.85kW	0.85kW	0.9kW	0.9kW	1.8kW
Vacuum ▶	180mbar	180mbar	210mbar	210mbar	210mbar
Noise level ▶	<80dB(A)	<80dB(A)	<80dB(A)	<80dB(A)	<80dB(A)
Capacity ▶	2ℓ	4ℓ	5ℓ	10ℓ	25ℓ
Pipe size (mm) ▶	Ø40	Ø40	Ø40	Ø40	Ø50/60

Type	Cyclone							
Model	HECA-2	HECA-4	HECA-5	HECA-10	HECA-15	HECA-25	HECA-50	
Capacity ▶	2ℓ	4ℓ	5ℓ	10ℓ	15ℓ	25ℓ	50ℓ	
Hose	Suction (mm) ▶	Ø38	Ø38	Ø38	Ø50.8	Ø50.8	Ø60.5	Ø60.5
	Material (mm) ▶	Ø38	Ø38	Ø38	Ø50.8	Ø50.8	Ø60.5	Ø60.5
Option	Limits switch ▶	L	L	L	L	L	L	L
	Motor switch ▶	M	M	M	M	M	M	M

Type	Ratio valve		
Model	RVR-38-2	RVR-50-2	RVR-60-2
Transfer pipe (mm) ▶	Ø38	Ø50.8	Ø60.5