

# plas-aid

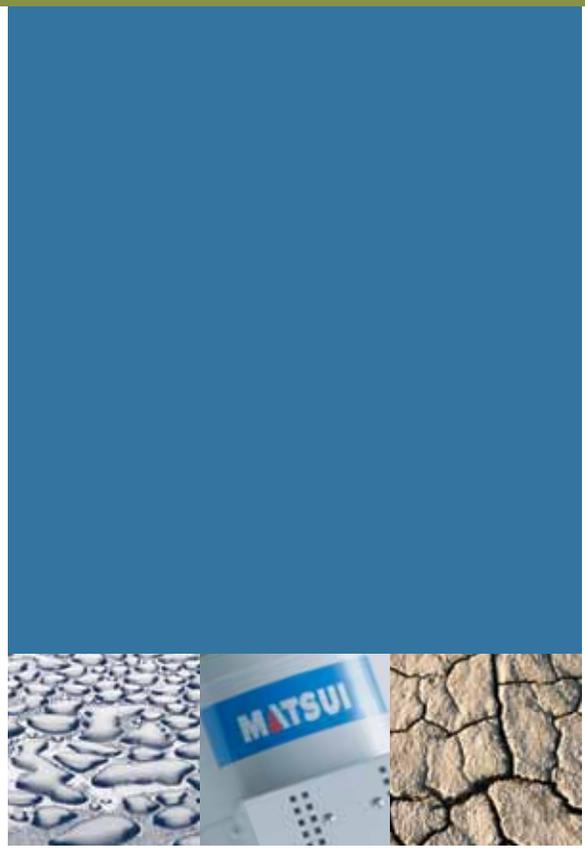
The reliable choice in portable dehumidifying dryers.

PERFORMANCE

PORTABILITY

DURABILITY

## DMZ2 SERIES



Introducing the

**DMZ2** Dehumidifying Dryer.

Versatile, high performance

in a compact, portable design.

Only from Matsui.

## DMZ2 SERIES

Take a look at what the new DMZ2 offers:

### PACKED WITH PERFORMANCE

The DMZ2 is the ideal dehumidifying dryer to integrate with your central loading system or to handle multiple hoppers. It offers more features as standard equipment with a smaller footprint than comparable systems, giving you maximum performance in minimal space.

### VIRTUALLY MAINTENANCE-FREE

Matsui has poured decades of research and development into technologies for drying plastic resin. One result is a one-of-a-kind 10-year warranty on the DMZ2's desiccant rotor, a rotor expected to run up to 15 years without replacement. Heater circuits have solid-state relays, providing 10 years of maintenance-free operation. Routine maintenance can be performed from the front of the system, quickly and easily.



### IDEAL FOR PET BOTTLE PRODUCTION

The ideal unit when exceptional quality is imperative, the DMZ2 maintains stable IV and low AA levels, and brings moisture content below 50 ppm. It can dry PET in as little as 3 hours and has throughput up to 1500 kg/hr and larger.

### HIGH PERFORMANCE HOPPER DESIGN

The DMZ2's drying hopper uses a unique diffuser-cone technology to create mass flow with no short pass. This ensures all resin leaving the hopper is consistently dry and up to temperature. Smaller units have a tilt-open feature to make cleanups and resin-changes fast and easy.



### TOUCHPAD PROGRAMMING

An easy-to-use touchpad simplifies programming, enabling you to preset operations, monitor settings, view progress and make changes effortlessly.

### ENERGY-SAVING PRODUCTION

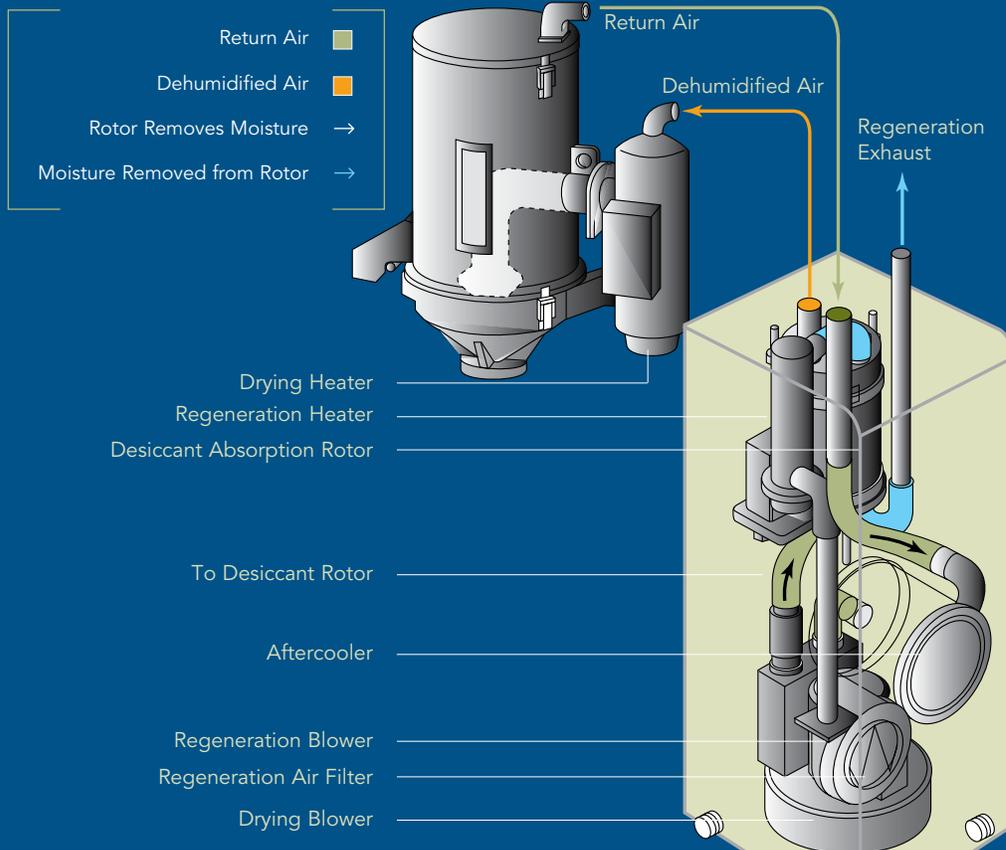
Insulated stainless steel construction prevents heat loss, and while drying resin in half the time, it saves hours of energy with every material change.



# Constant dry heat for the best drying environment.

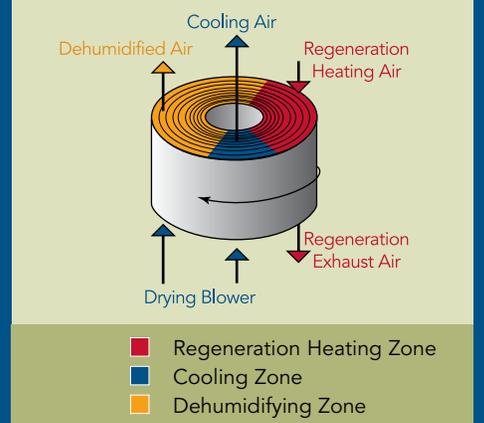
NOW IN A COMPACT PORTABLE DESIGN.

## Desiccant rotor technology cuts drying time



Matsui's desiccant rotor technology has become the industry standard in dehumidifying hot-air drying equipment. Its unique, honeycomb design—molecular sieve desiccant, bonded and then baked onto ceramic paper—eliminates powder that can contaminate the system. Its large contact area effectively absorbs at high temperatures, drying resin in half the time while stabilizing dew points at a constant  $-40^{\circ}\text{F}$ .

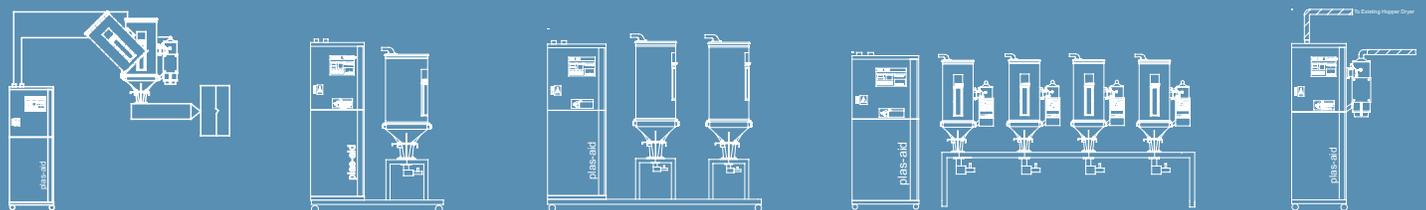
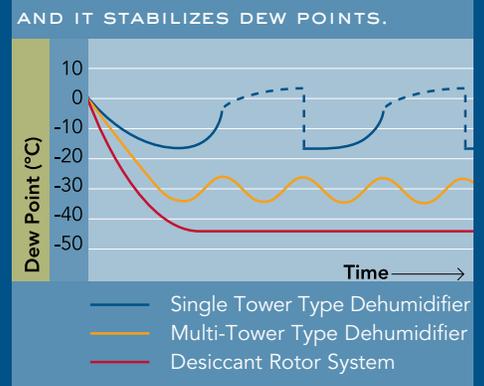
### THE STREAM OF AIR INSIDE THE ROTOR



## Compare Matsui to the competition:

THE DMZ2 DRIES RESIN FASTER.

Resin	Other Dryers	Desiccant Dryers
Polycarbonate	3-4 hours	1.5 hours
Nylon	4-6 hours	2.5 hours
PET	6-8 hours	3.0 hours

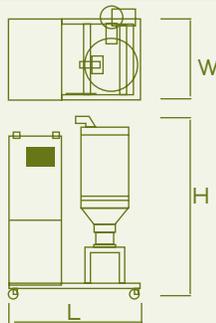


# DMZ2 SERIES SPECIFICATIONS

DMZ2 MODEL	40U	80U	120U	170U	240U	500U	700U	900U
DEW POINT (°F)	-40							
AIRFLOW (CFM)	23	47	70	106	165	294	412	530
AVAILABLE HOPPERS (LBS.)	33/55	110/165	220/330	440	660	880/1100	1540	2420/1980
HOPPER VOLUME (FT <sup>3</sup> )	0.88/1.4	3.0/4.4	6.0/8.8	12.0	17.6	24/30	41	53/65
DRYING BLOWER (KW)	.50	.85	1.55	1.75	2.55	2.55x2	2.55x3	6.3x2
REGENERATION BLOWER (KW)	.057	.113		.420	1.15	1.15x2	1.15x3	0.75
DRYING HEATER (KW)	1.5 (2.1H)	2.4 (4.0H)	3.3 (6.0H)	4.0 (7.8H)	6.0 (12.4H)	12.4 (23H)	18 (30H)	24 (40H)
REGENERATION HEATER (KW)	1.5	2.4	3.1	5.8	7.7	6.6x2	6.6x3	23.1
ABSORBENT	Zeoliterotor							
ABSORBENT MOTOR (KW)	.015			.025x2			.025x3	.090
AFTERCOOLER FLOW (GPM)	1.5	3.7	4.0	5.2	10.5	16	26.5	
AFTERCOOLER CONNECTION (IN)	3/8"				1"	1"	1.25"	
CONTROL	Microprocessor w/PID Heating							
AUTO START TIMER	Range: 10-min to 99hrs 50min							
ALARM & PROTECTION	Overheat, Thermal Trip, Reverse Phase, Automatic Cool Down							
POWER SUPPLY (VOLTS)	230V or 460V 3ph, 60Hz							
MAXIMUM TEMPERATURE	266°F (H-356°F)							
BREAKER-AMPS (230/460V)	20/20	30/40	40/50	50/30	75/40	125	175	225
HI-TEMP MODEL				60/40	100/50	125	200	225
WEIGHT (LBS)	264	352	440	760	800	1518	1980	2420
APPROXIMATE DIMENSIONS (INCHES)	17x22x52H	20x28x53H		31x35x72H		33x51x88H	33x67x88	56x58x88H
AVAILABLE OPTIONS	Weekly Timer, Dew Point Meter, Filter Alarm, Floor Frame, V-Box, Insulated Hopper							

## Portable Dryer Dimensions LxWxH (inches)

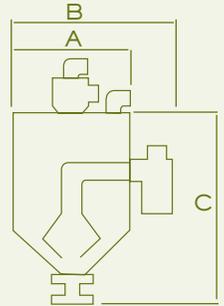
DMZ2-40-15	37 x 27 x 56H
DMZ2-40-25	37 x 31 x 62H
DMZ2-80-50	45 x 31 x 72H
DMZ2-120-75	45 x 34 x 72H
DMZ2-120-100	45 x 34 x 78H
DMZ2-120-150	50 x 44 x 84H
DMZ2-170-150	67 x 44 x 84H
DMZ2-170-200	67 x 44 x 94H
DMZ2-240-250	67 x 47 x 96H
DMZ2-240-300	67 x 47 x 102H



Contact Matsui America for dimensions of larger units

## Outer Dimensions of Hopper Dryer (inches)

MODEL	A	B	C
HD-15	11	24	25
HD-25	16	30	36
HD-50	16	30	46
HD-75	20	33	45
HD-100	20	33	53
HD-150	26	42	55
HD-200	26	42	64
HD-250	31	48	65
HD-300	31	48	71
HD-400	37.4	58.4	84
HD-500	51.4	58.4	93.2
HD-700	45.2	66.6	99.8
HD-900	45.2	69	112.4
HD-1100	51	76.3	110.5



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## CHICAGO HEADQUARTERS

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