

# plas-aid

The reliable choice in portable hot-air dryers.

PERFORMANCE

PORTABILITY

ECONOMY

## MGD SERIES



## Introducing the **Matsui Global Dryer**

Hot Air Dryer and Loader.

Versatile, high performance

in a compact, **portable** design.

**Only from Matsui.**

## MGD SERIES

Take a look at what the new MGD offers:

### ECONOMY AND PERFORMANCE

An economical alternative to our MJ3 desiccant dryer, the power-sipping, portable MGD hot-air dryer/vacuum loader uses significantly less energy and slightly longer drying times to efficiently dry resin to optimum moisture levels.

### VIRTUALLY MAINTENANCE FREE

The MGD is so simple in design it's a snap to set up, and runs virtually maintenance free. Heater circuits with solid state relays provide 10 years of maintenance-free operation. Its efficient, streamlined design uses just a single blower and heater, reducing energy consumption. Routine maintenance can be performed from the front of the system, quickly and easily.

### POINT-TO-POINT JUST-IN-TIME CONVEYING

The MGD's drying hopper is designed to create mass flow with no short pass. It is equipped with a programmable loader, which releases measured amounts of resin at specific intervals. Pellets are conveyed and delivered for the next loading cycle on a just-in-time schedule. This helps keep pellets at the optimum moisture level from the dryer to molding machine, maximizing performance and minimizing part defects.

### TOUCHPAD PROGRAMMING

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

### ENERGY-SAVING CONSTRUCTION

Insulated stainless steel "dual-hopper" design prevents heat loss and saves energy.



# MGD or MJ3...which drying technology is best for you

COMPACT PORTABLES FOR EVERY NEED.

## MGD hot-air technology

- Extremely low initial investment
- Extremely low operating costs
- Engineered for years of maintenance-free operation
- Longer drying times compared to MJ3
- Simple design is easy to maintain
- Compact, portable both dries and conveys
- All components easily accessed from one side of machine
- Reliable solid state circuitry

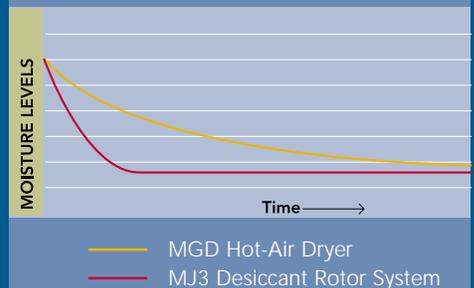
## MJ3 with desiccant rotor technology

- Cuts drying times in half
- Low operating costs
- Unique, desiccant rotor drying technology lasts 15 years
- Reaches -40 dew point in a fraction of the time
- Stainless steel components are easy to maintain
- Compact, portable both dries and conveys
- Easy access to components from one side of machine
- Reliable solid state circuitry

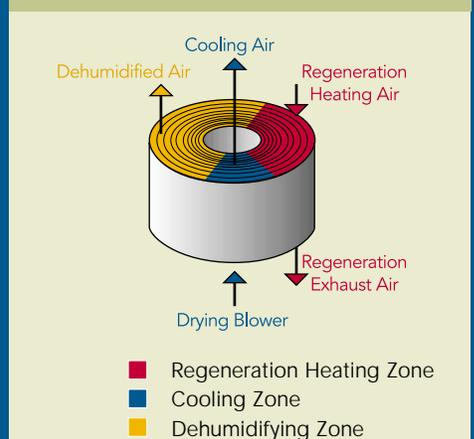
### COMPARE MATSUI DRYERS ON TIME

Resin	MGD Dryers	MJ3 Desiccant Dryers
Polycarbonate	3-4 hours	1.5 hours
Nylon	4-6 hours	2.5 hours
ABS	3-4 hours	2.0 hours

### COMPARE DRYING PERFORMANCE



### DESICCANT ROTOR TECHNOLOGY



# MGD SERIES SPECIFICATIONS

MGD MODEL	15J	25J	50J	75J	100J	150J	200U	250U	300U
HOPPER CAPACITY CU. FT. (L)	0.99(28)	1.55(44)	3.18(90)	4.41(125)	6.00(170)	8.83(250)	12.36(350)	15.01(425)	17.66(500)
STOCK CAPACITY *1 LBS (KG)	33(15)	55(25)	110(50)	165(75)	220(100)	330(150)	440(200)	550(250)	660(300)
HOPPER INSULATION	Glass Wool Insulation and Outer Panel								
DRYING TEMPERATURE (°F)	320°F (180°C)Max.								
DRYING BLOWER (w)	34	200	200	195	195	300	300	400	400
DRYING HEATER HEATER (kW)	2.1	4.0	5.4	6.3	7.5	12.4	17.1	19.8	19.8
HEATER CONTROL	PID Control with SSR Contactor								
POWER SUPPLY VOLTAGE	230V/460V 3Phase 60Hz								
BREAKER CAPACITY (230/460v)	30A/15A	30A/15A	30A/15A	30A/15A	40A/20A	50A/30A	60A/30A	100A/50A	100A/50A
COMPRESSED AIR REQUIREMENT	60 ~ 110 PSI (0.4 ~ 0.6MPa) 2.6GPM (10L/min)								
CONVEYING BLOWER	1.1kW						2.5kW		
PRIMARY CONVEYING HOSE	1.5"-15ft. (Option 1.5"-30ft.)						2" - 15ft. (Option 2" -30ft.)		
#1 SECONDARY CONVEYING HOSE	1.5"-15ft.						2" - 15ft. (Option 2" -30ft.)		
OPTION #2 SECONDARY CONVEYING	1.5"-15ft.						2" - 15ft. (Option 2" -30ft.)		
SYSTEM PROTECTION	Soft and Mechanical Over Heat, Reverse Phase Alarm, Automatic Cool Down Mode, Alarm Buzzer								
APPROX. SHIPPING WEIGHT LBS. (KG)	330(150)	375(170)	460(210)	500(230)	530(240)	600(270)	880(400)	1,280(580)	1,350(600)
APPROXIMATE DIMENSIONS (INCHES)	34.6x23.8x 66.8H	34.6x23.8x 76.6H	39.4x28.5x 84.9H	39.4x28.5x 96.7H	43.2x30.7x 90.0H	43.2x30.7x 105.4H	57.1x27.8x 99.9H	65.3x34.0x 94.0H	65.3x34.0x 99.9H
SYSTEM FEATURES	Energy Saving Hopper, Solid State Relays, Primary Conveying, Secondary Conveying w/Line Purge Valve								
AVAILABLE OPTIONS	Weekly Timer, #2 Secondary Conveyance, APH Receiving Hopper for Secondary Convey								

\*1 Conversion Rate Bulk Density = 37.5 Lbs./cft (0.6kg/L)



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