

plas-aid

The reliable choice in portable dehumidifying dryers.

PERFORMANCE

PORTABILITY

SIMPLICITY

MJ3 SERIES



Introducing the **Multi Jet 3**

Dehumidifying Dryer and Loader.

Versatile, high performance

in a compact, **portable** design.

Only from Matsui.

MJ3 SERIES

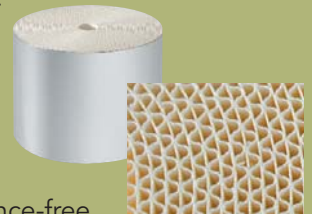
Take a look at what the new Multi Jet 3 offers:

PACKED WITH PERFORMANCE

The MJ3 combines a dehumidifying dryer and vacuum loader into one compact design. 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 the MJ3'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.



POINT-TO-POINT DRY AIR CONVEYING

The MJ3'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 using warm, dry air and delivered for the next loading cycle on a just-in-time schedule. This keeps 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

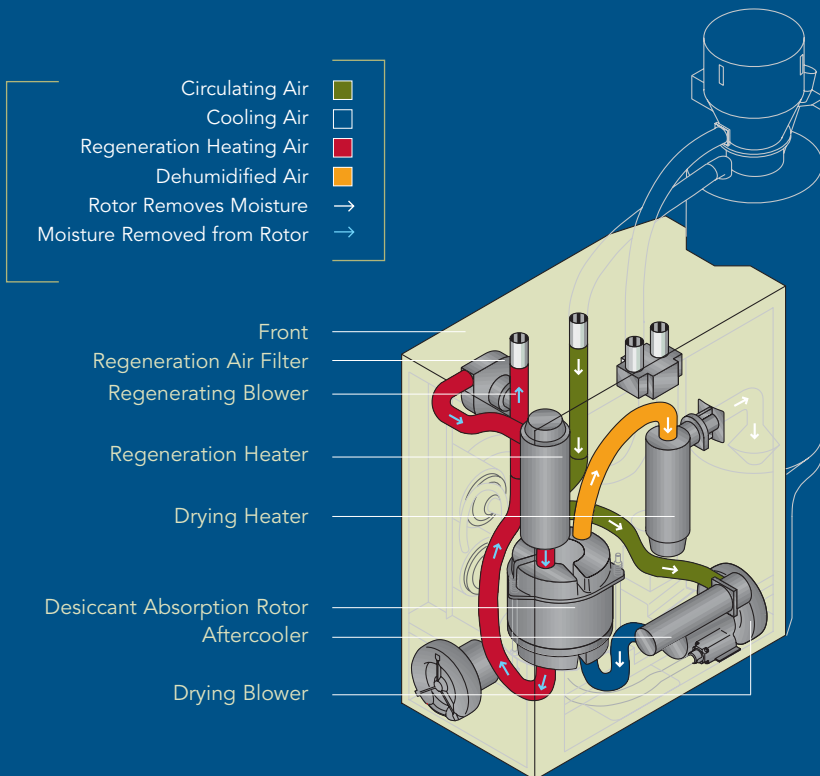
Insulated stainless steel construction prevents heat loss, and while drying resin in half the time, it saves hours of energy with every material change.



Constant dry heat for the best drying environment.

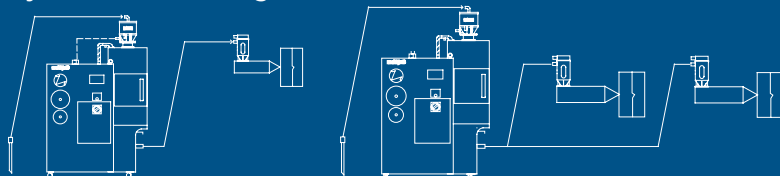
NOW IN A COMPACT PORTABLE DESIGN.

Desiccant rotor technology cuts drying time

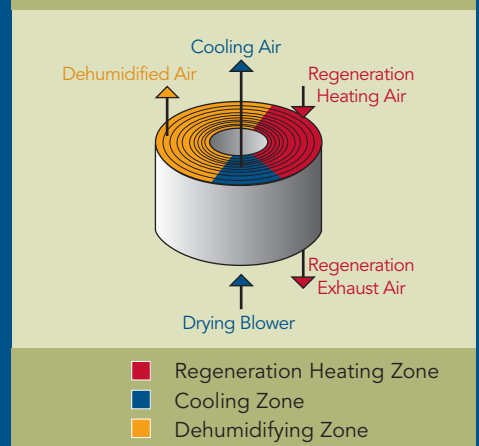


Matsui's desiccant rotor technology has become the industry standard in dehumidifying hot air drying equipment. Its unique, honeycomb design—molecular sieve desiccant, bonded and then baked onto ceramic paper—eliminates powder that can contaminate the system. Its large contact area effectively absorbs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

Dryer & Press loading included



THE STREAM OF AIR INSIDE THE ROTOR

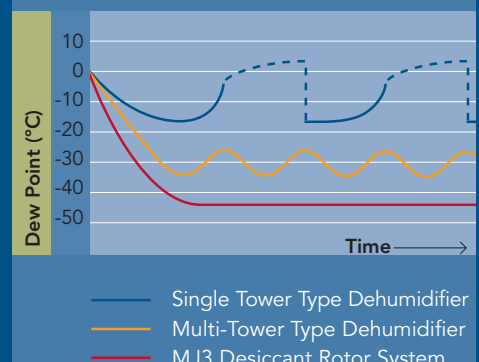


Compare Matsui to the competition:

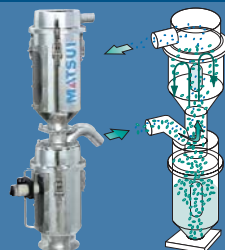
THE MJ3 DRIES RESIN FASTER.

Resin	Other Dryers	MJ3 Desiccant Dryers
Polycarbonate	3-4 hours	1.5 hours
Nylon	4-6 hours	2.5 hours
PET	6-8 hours	3.0 hours

AND IT STABILIZES DEW POINTS.



MVH Hopper - Standard
Unit is ideal for low volume conveying to press. Minimizes resin exposure to ambient air and moisture. Available in 3, 6, 9 and 18 liter units.



Aero Power Hopper
Matsui's most effective hopper constantly mixes the resin and removes dust so you can create perfect parts. Available in 1, 3, 6, 9 and 18 liter units.



Jet Clone Hopper
Economical, efficient unit with flapper door ensuring a good seal. Minimizes resins exposure to ambient air and moisture. Available in 3, 6, 9 and 18 liter units.

MJ3 SERIES SPECIFICATIONS

MJ3 MODEL	15U	25U	50U	75U	100U	150U	200U	300U
DRYING HOPPER (LBS.)	33	55	110	165	220	330	440	660
HOPPER VOLUME (FT ³)	.88	1.4	3.0	4.4	6.0	8.8	12.0	17.6
DEW POINT (°F)	-40 (86°F, 75% RH)							
AIRFLOW (CFM)	23	23	47	47	70	70	106	165
TEMPERATURE RANGE (°F)	176 – 320							
DRYING BLOWER (KW)	.37	.37	.56	.56	1.1	1.1	2.5	1.5
REGENERATION BLOWER (KW)	.056	.056	.115	.115	.115	.115	.200	.200
DRYING HEATER (KW)	2.1	2.1	4.0	4.0	6.0	6.0	7.5	12.4
REGEN. HEATER 230/460 (KW)	1.9/2.5	1.9/2.5	2.4/3.2	2.4/3.2	3.0/4.0	3.0/4.0	5.8/7.7	9.0/9.0
ABSORBENT/DESICCANT	Zeoliterotor							
DESICCANT DRIVE MOTOR (KW)	.015	.015	.015	.015	.015	.015	.025	.040
HOSE SIZE: DRYING (INCHES)	1.5	1.5	2.0	2.0	2.0	2.0	2.5	3.5
HOSE SIZE: REGENERATION (INCHES)	1.5	1.5	1.5	1.5	1.5	1.5	2.5	3.5
AFTERCOOLER FLOW (GPM)	No water needed. Unit uses Air Cooling Coil.				2.7	2.7	5.3	5.3
WATER CONNECTION (INCHES)	No water needed. Unit uses Air Cooling Coil.				0.5			
MAIN POWER SUPPLY AC-230/460V 3-PH, 60-HZ	20/10A		30/20A		40/20A		60/30A	100/50A
INTERNAL CONTROL CIRCUIT	AC-100 Volts, 1-Phase							
COMPRESSED AIR (PSI)	70							
PRIMARY CONVEYING DISTANCE (FT)	30	30	30	30	30	30	50	50
SECONDARY CONVEYING DISTANCE (FT)	15	15	15	15	15	15	30	30
PVC CONVEYING HOSE (INCHES)	1.5	1.5	1.5	1.5	1.5	1.5	2.0	2.0
CONVEYING BLOWER (KW)	1.1	1.1	1.1	1.1	1.1	1.1	2.5	2.5
APPROXIMATE DIMENSIONS (INCHES)	38x21x70	38x21x80	46x25x83	46x25x95	51x25x91	51x25x106	58x29x100	67x36x100
WEIGHT (LBS)	470	490	630	650	730	770	1100	1550
SYSTEM CONTROL	Auto Tuning Microprocessor							
SYSTEM PROTECTION	Overheat Alarm, Reverse Phase Alarm, Overload Alarm, Automatic Cool Down Mode							
SYSTEM FEATURES	Energy Saving Hopper, Solid State Relays, Primary & Secondary Conveying, Line Purge, 15-Year Desiccant, Dry Air Conveying for Secondary Circuit (not available for 15U or 25U)							
AVAILABLE OPTIONS	Weekly Timer, Alarm Output, Alarm Lamp, Regrind Ratio Valve, Dew Point Meter, Aero Power Hopper, Cyclone Dust Collector, Second Machine Conveyance							



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