



# HONEYCOMB DESICCANT ROTOR DRYERS

FEATURING THE LATEST HONEYCOMB MATRIX DESICCANT ROTOR WHEEL TECHNOLOGY

**Delivers Constant - 40°F Dew Point Air  
with Up to 25% Energy Savings!**

**At PPE, we believe resin  
drying should be easy and  
totally effective!  
WE GUARANTEE IT!**

That's why we offer the **MAX-Dry**® Beside the Press Drying Series - revolutionary new plastic resin dryers capable of processing from 30 to 500 lbs/hr of most materials without the hassles found in other desiccant bead canister dryers.

### MAX-Dry® Standard Features:

- Process Heater included.
- Digital Dewpoint Display for accurate drying performance.
- Return Air water cooling coil included.
- Delivers constant -40°F dewpoint air.
- Save up to 25% on energy costs.
- Easy-to-Use operator controls.
- 7-Day Timer for increased control.
- Rotation Alarm and Dirty Filter Alarm.
- Process Temperature Alarms.
- Circuit Breakers eliminate the need for fuses.
- Two hoses with clamps required:
  - 1 Silicone (for higher temp supply air) and
  - 1 Neoprene (for lower temp return air).
- Remote Thermocouple Ports.
- Maximum drying efficiency at minimal operating cost.
- Easy access panels for maintenance - no tools required.
- Durable powder coat finished cabinet.
- No dust or desiccant beads to change.
- Full One-Year Warranty on dryer.
- Five-Year Warranty on desiccant rotor wheel.

Airborne dust, oils, silicones can coat the matrix surface and reduce it's efficiency over long periods of time.

### BUYERS CAUTION:

We found other lower cost dryers did not have a Process Heater or a Dew Point Indicator. PPE has both on our Dryers.



*Requires less floor space than multi-tank desiccant units!*

**HONEYCOMB MATRIX  
— DESICCANT ROTOR WHEEL —  
MATRIX WHEEL SHOULD  
LAST OVER 5 YEARS.**



## PLASTIC PROCESS EQUIPMENT, INC.

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**PPE WEST** 6385 Montessouri Street, Las Vegas, Nevada 89113  
702-433-6385 • 800-258-8877 • Fax: 702-433-6388

**PPE SOUTH** 11218 Challenger Avenue, Odessa, Florida 33556  
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8303 CORPORATE PARK DRIVE, MACEDONIA (Cleveland), OHIO 44056, USA

Toll Free: USA, Canada & Mexico  
**800-362-0706**

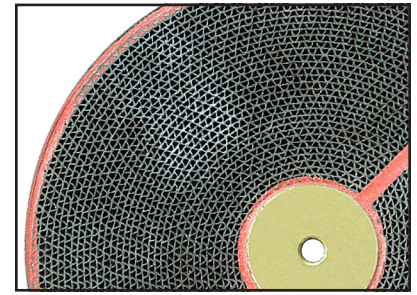
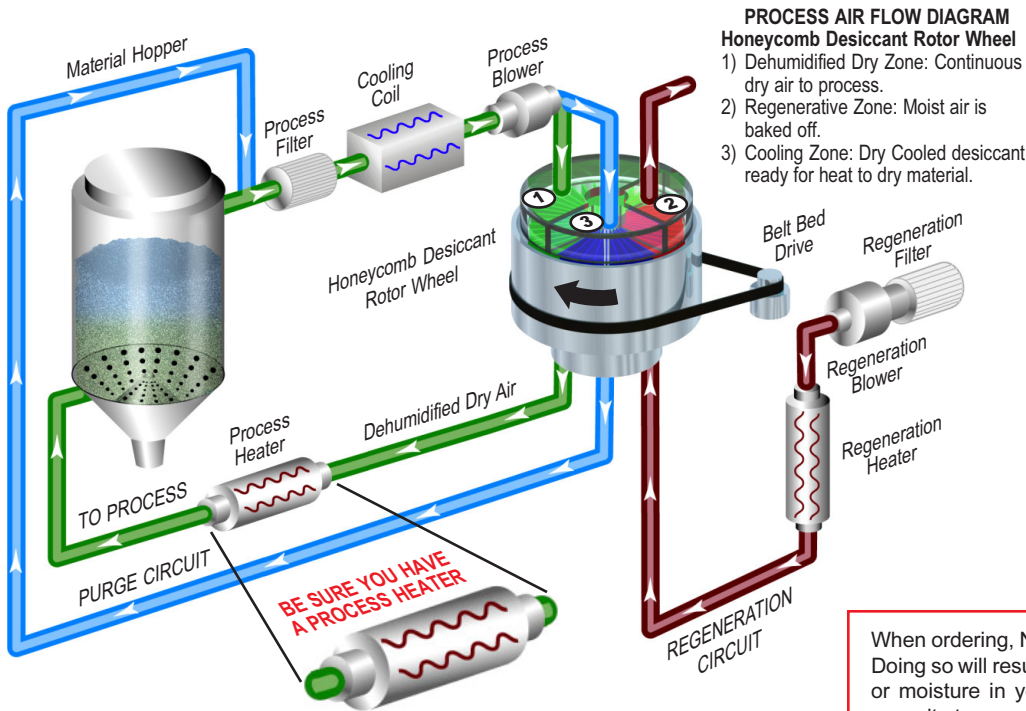
216-367-7000 • Toll Free: 800-321-0562 • Fax: 216-367-7022 • Order Fax: 800-223-8305



# HONEYCOMB DESICCANT ROTOR DRYERS

THE LATEST HONEYCOMB MATRIX DESICCANT ROTOR WHEEL TECHNOLOGY

**Closed Loop Operating Air Flow + Continuous Rotor Rotation = Continuous Dry Air!**



Our unique honeycomb matrix desiccant wheel has a series of channels or air passages that form our matrix. These passages are coated with molecular sieve and silica gel that are permanently bonded to ceramic fibers inside the rotor through special chemical crystallization. Our desiccant wheel contains more pure desiccant drying surface than a twin tower 3 times its size. The wheel should last 5 years or more.

### BUYING TIP

When ordering, NEVER EVER undersize your drying needs. Doing so will result in higher dew points, longer drying cycles or moisture in your materials. Better to have more drying capacity to ensure successful material drying.

## How Our Desiccant Rotor Wheel Works:

The **MAX-Dry**® Series of desiccant dryers incorporates honeycomb matrix desiccant rotor wheel technology. Moisture-laden air enters through the process filter, then moves through the desiccant media. The desiccant absorbs the water vapor and the dried air is then delivered through the process outlet through the process heater then directly into the drying hopper. Because the honeycomb desiccant media wheel continuously rotates into the reactivation air stream, the hot air entering through the reactivation inlet drives off the moisture and exhausts it into the atmosphere. After reactivation, the hot, dry desiccant rotates back into the process air stream where a small portion of the process air cools the desiccant so that it can begin the absorption process all over again.

## Drying Rates\*

Resin Type	Drying Temp. (°F)	Drying Time (Hrs)	MD-400 (Lbs/Hr)
ABS	180 - 200	2 - 3	480
Acrylic	170 - 190	2 - 3	480
Barex	160	6	480
Noryl	175	2 - 3	385
Nylon 6/6	160 - 190	2 - 3	430
Polycarbonate	250	1.5 - 2	430
PET	325 - 375	3 - 4	350
Polysulfone	250 - 275	4 - 5	385
Polyurethane	180 - 200	3 - 4	520
SAN	180	2 - 3	520

\* Times and temperatures are general guidelines. Information on specific resins should be obtained from resin suppliers. Maximum drying temperature is 400°F.

MODEL NO.	PRICE SPECIAL	LBS. PER HOUR	PROCESS CFM	OUTLET INLET SIZE	VOLTAGE	AMPS	DIMENSIONS		
							LENGTH	WIDTH	HEIGHT
MD-400230	<del>\$11,800.00</del>	350 - 520	240	6"	230/60/3	114	50"	41"	73"

**\$10,990.00**



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