









Resource consumption cut

### **Productivity UP**

Added Value UP

## 5 Elimination of yellowing problems

For clear resin molds and optical molds

Having trouble with yellowing of the molded items? Prevent oxidization and yellowing by removing oxygen dissolved in the resin through N2 drying and N2 purge!

## Compact Thermal Conduction Dryer + N<sub>2</sub> generator

#### Overview

Heating under an  $N_2$  gas atmosphere removes moisture that generates gas during molding, as well as replaces oxygen dissolved in the resin. This is effective for preventing oxidation and yellowing, and reducing black spot

Oxidation yellowing test (test material: COP)

contaminants caused by the material.



- ← Atmospheric conditions
- ← Oxygen concentration 1.0%
- ← Oxygen concentration 0.5%
- ← Oxygen concentration 0.1%





Compact Thermal Conduction Dryer [PMD1.5]

N2 generator [MTN3-10-1]

#### **Features**

- Injects N<sub>2</sub> gas to prevent oxidation and yellowing, and reduce black spot contaminants.
- Low air flow drying with heat transfer makes it easier to prevent contaminant ingress.
- Dryer with processing capacity of 0.2 to 1 kg/h, designed for molding machines 20 t or less
- Environmentally friendly design, with minimal exhaust gases while drying and lower exhaust heat.
- Comes with folding hopper and removable fins to easy cleaning.

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Information in this catalog is current as of Augast 2021.
The actual color of products may differ slightly from the printing in this

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• Product specifications and designs are subject to changes for

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MATSUI®	factor  Doubling Wealth, Halving Resourse Use
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Osaka Head Office	Matsui, your Plastic molding partner for resorce reduction, propose to
Addr:OBP PLAZA BLDG.17th F. 1-4-70, Shiromi, Chuo-ku, Osaka 540-0001, Japan. TEL:06-6942-9555 / FAX:06-6942-9559	achieve 'factor 4' in molding factors.  We aim to increase productivity by 4times by achieving the following,  'Save Water', 'Save Rasin s' and 'save Energy'.
Tokyo Head Office     Addr:Shinosaki Kangyo BLDG .9F, 1-6-4, Oosaki, Shinagawa-ku,     Tokyo 141-0032, Japan.     TEL:03-5436-3521 / FAX:03-3495-5331	If you are looking for a best solution
• BRANCHES	
Matsui America, Inc. TEL: +1 847-290-9680  Matsui (Asia) Co.,Ltd. TEL: +66 02-324-0216	factor4 solutions
Matsui (Asia) Co.,Ltd. TEL: +66 02-324-0216  Matsui Mfg (Singapore) Pte. Ltd. TEL: +65 6744-9602	
PT. Matsui Solutions Indonesia. TEL: +62 21-8379-3253	
Korea Matsui Inc. TEL: +82 032-811-9400 Taiwan Matsui Co., Ltd. TEL: +886 2-8919-1556	
Shanghai Matsui Machinery Co., Ltd. TEL: +886 2-8919-1556	
Matsui Technologies India Ltd. TEL: +91 120-2397114	

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